

PRE-QUALIFICATION DOCUMENT

2026

Corporate Pre-qualification Edition

OUR SERVICES

BIM SERVICES

CAFM
SOLUTIONS

DIGITAL TWIN
SOLUTIONS

REALITY CAPTURE

GEOGRAPHIC
INFORMATION
SYSTEM (GIS)

ABOUT US

DELIVERING DIGITAL EXCELLENCE.
BUILDING A BETTER FUTURE.



Technical Xperts Group (TXG) is a leading Digital Delivery partner providing engineering and technology solutions for the built environment. Since 2013, we have helped clients across Saudi Arabia, UAE and Australia, deliver smarter projects through innovation, collaboration, and digital excellence.



INTERNATIONAL
PRESENCE



13+ YEARS OF
EXPERTISE



TECHNOLOGY - DRIVEN
INNOVATION



LANDMARK
PROJECTS DELIVERY

WHY TXG

TXG is committed to delivering solutions and services for leading companies worldwide. Our values and professionalism in creating world-class support have their benchmark. Our comprehensive and collaborative support increases efficiency and sustainability, improves operational performance, maximizes profit value, and ensures seamless incorporation of future technologies. TXG supports customer growth through our customized solutions and strategies, which help us to deliver commitments. The expertise of our team, along with a strong network, is the key to our success.

- Deployment of innovative technology solutions and partnership.
- Optimal and most cost-effective design and planning.
- Comprehensive resource management and training support.
- Efficient operations from multiple locations.
- Building long-term partnerships through collaboration and tailored solutions.



Pioneering Digital
Construction Excellence



A Decade of
Innovative Excellence



Expertise in Cutting-
Edge Technologies



Global Reach and
Impact



Core Values and
Unwavering Commitment

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VALUES, MISSION & VISION



01 WHAT WE VALUE MOST

- Quality
- Teamwork
- Precision
- Excellence
- Commitment
- Integrity



02 OUR MISSION

Empowering construction excellence with innovation digital delivery solutions.



03 OUR VISION

Redefine the construction industry by integrating advanced BIM methodologies and cutting-edge digital delivery solutions seamlessly.

MEET OUR TEAM



160+

SUCCESSFUL
PROJECTS
spanning Saudi Arabia



200+

EXPERIENCED
BIM ENGINEERS
within our team



10M+ SQ.M

PROJECTS
EXECUTED
area spanning



RAVEENDRAN K V
FOUNDER



AJAY GHOSH
CEO OFFICE INCHARGE



RAMEEZ RAJA
HEAD OF OPERATIONS



MAAZ
BIM MANAGER



SUMAN
BIM MANAGER



EMAN
BIM MANAGER



HANI AL MOTERY
GOVERNMENT RELATIONS



AHMED ALFARRAJ
BUSINESS DEVELOPMENT

TEAM TXG - KSA



TEAM TXG - INDIA



SECTORS WE SERVE

Delivering digital excellence across diverse industries. Building the future, together.



AIRPORT

Smart, efficient, and passenger-centric airport solutions for the future.



HOSPITALITY

Creating memorable experiences through innovative design and intelligent solutions.



EDUCATIONAL

Building inspiring learning environments that empower future generations.



COMMERCIAL

Smart, sustainable spaces that drive productivity and business growth.



GOVERNMENT

Delivering reliable, secure, and future-ready infrastructure for communities.



HOSPITALS

Designing advanced healthcare facilities that enhance care and well-being.



MULTI RESIDENTIAL

Creating vibrant communities with sustainable and liveable spaces.

OUR FOOTPRINTS

Expanding our global presence to deliver excellence, wherever our clients are.



KSA

Room No 108, Second Floor, Al
Khaleej Building - Sada Business
Center P. O Box - 69806 Olayaa
Street, Riyadh - 11557, KSA



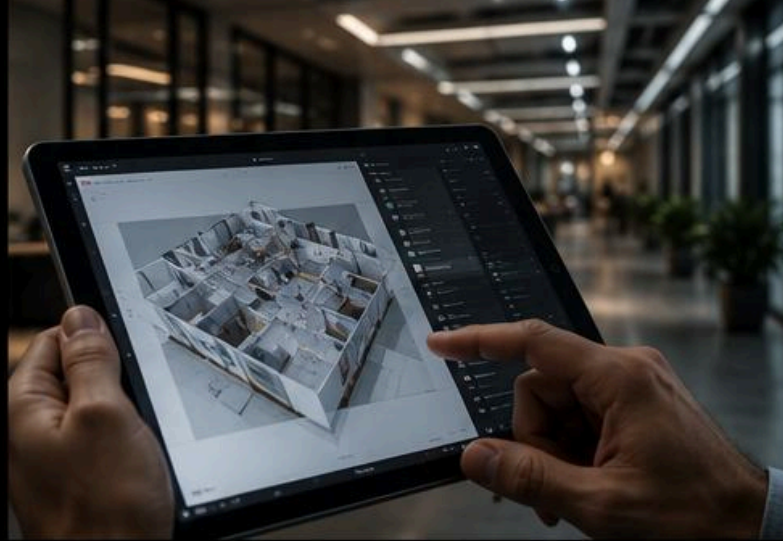
UAE

Saif-Zone, P. O Box - 513153,
Sharjah, UAE



INDIA

Chennai, Tamil Nadu &
Kozhikode, Kerala, India



TXG
TECHNICAL XPERTS GROUP

DIGITAL
DELIVERY
PARTNER

OUR SERVICES

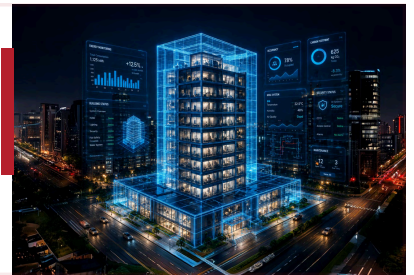
01

BUILDING INFORMATION
MODELING (BIM) IN DESIGN



02

DIGITAL TWIN FOR SMART
BUILDING IMPLEMENTATION
& INTEGRATION



03

CAFM IMPLEMENTATION
(COMPUTER AIDED FACILITIES
MANAGEMENT)



04

DIGITAL CONSTRUCTION
SOLUTIONS



05

REALITY CAPTURE



06

ASSET MANAGEMENT



07

GIS INTEGRATION &
SMART CITIES



08

DIGITAL CONSTRUCTION
CONSULTANCY TO CLIENTS



09

STAFFING SERVICES



10

IT SERVICES





01

BUILDING INFORMATION MODELLING (BIM) IN DESIGN

At Technical Xperts Group (TXG), we specialize in Building Information Modeling (BIM) services that transform the design and construction landscape. Our offerings include BIM for visualization, coordination, clash resolution, quantification, manufacturing, fabrications, high-quality renderings, virtual walkthroughs, and design analysis.



ACCURATE 3D MODELING

Developing coordinated BIM models from LOD 100 through LOD 500, enabling seamless design development, construction coordination, fabrication, and digital asset management.



CLASH DETECTION AND COORDINATION

Identifying and resolving conflicts early to reduce errors and save time on site.



QUANTIFICATION AND ESTIMATION

Generating accurate quantities and cost estimates for better planning and control.



VISUALIZATION AND RENDERING

Creating high-quality visuals and walkthroughs that bring designs to life.



DESIGN ANALYSIS & SIMULATION

Running simulations to evaluate performance, efficiency, and sustainability.



SEAMLESS COLLABORATION

Streamlining communication and data sharing across all project stakeholders.



DIGITAL TWIN MODEL

Create virtual replicas for real-time building monitoring and performance optimization.



RISK ASSESSMENT

Accelerate project planning through simulations and predictive analysis.



PREDICTIVE MAINTENANCE

Identify potential failures early and minimize operational downtime.



REMOTE MONITORING

Monitor assets and building systems from anywhere in real time.



IoT & BMS INTEGRATION

Connect smart devices and building systems into a unified platform.



ENERGY OPTIMIZATION

Improve energy performance while enhancing occupant comfort.

02

DIGITAL TWIN FOR SMART BUILDING IMPLEMENTATION & INTEGRATION

TXG's digital twin solutions provide an advanced approach to smart building implementation. We create virtual replicas of your buildings for real-time monitoring and optimization of building performance. Our services include accelerated risk assessment and production time, predictive maintenance, real-time remote monitoring, and interactions with built environments. We offer seamless integration with IoT and BMS, ensuring your buildings are intelligent, responsive, and efficient.



03

CAFM IMPLEMENTATION (COMPUTER AIDED FACILITIES MANAGEMENT)

Our Computer-Aided Facility Management (CAFM) implementation services at TXG are designed to optimize facility management processes. We offer streamlined reactive maintenance and work order management, optimized preventive and planned maintenance, effective asset management, reduced maintenance costs, and powerful reporting and data visualization. Our multi-site and portfolio management capabilities ensure cohesive oversight and control across all facilities.



REACTIVE MAINTENANCE & WORK ORDER MANAGEMENT

Streamline work order creation, tracking, and resolution to improve response times and ensure efficient facility operations.



PREVENTIVE & PLANNED MAINTENANCE

Optimize maintenance schedules to reduce downtime, extend asset lifespan, and maintain operational reliability.



ASSET MANAGEMENT

Maintain a centralized view of facility assets, performance history, lifecycle data, and maintenance requirements.



REDUCED MAINTENANCE COSTS

Improve resource allocation and operational efficiency to minimize maintenance expenses and maximize return on investment.



REPORTING & DATA VISUALIZATION

Transform facility data into actionable insights through interactive dashboards, reports, and performance analytics.



MULTI-SITE & PORTFOLIO MANAGEMENT

Manage multiple facilities through a centralized platform with standardized processes, visibility, and control.



BIM TO FIELDS

Enable seamless digital inspections and issue tracking on-site to improve quality, accountability and communication.



LIDAR SCANNING

Capture accurate site data using LIDAR technology to create reliable as-built models and documentation



QUALITY INSPECTION

Perform systematic quality inspections and ensure compliance with project standards and specifications.



PROGRESS MONITORING & REPORTING

Track construction progress in real time, generate actionable reports, and provide stakeholders with clear visibility into project performance and milestones.



IMMERSIVE SOLUTIONS (AR / VR / XR)

Enhance project visualization and stakeholder engagement through immersive digital experiences and simulations.



COMMON DATA ENVIRONMENT (CDE)

Establish a centralized platform for managing project information, documentation, and team collaboration in line with ISO 19650 standards.

04 DIGITAL CONSTRUCTION SOLUTIONS

TXG provides a suite of digital construction solutions designed to revolutionize project workflows. Our services include BIM to fields (digital work inspections), LiDAR scanning for as-built documentation, quality inspection, progress monitoring, and immersive solutions like augmented, virtual, and extended reality. We establish common data environments compliant with ISO 19650 standards and offer 4D construction sequencing simulation, planning, progress monitoring, and reporting.





05

REALITY CAPTURE

TXG's advanced reality capture services employ laser scanning and photogrammetry to create precise 3D models of your projects. We offer LiDAR scanning, photogrammetry, mobile mapping, and aerial surveys. These detailed digital representations enhance design accuracy and construction workflows, improving project planning and reducing errors. Whether for renovation or new construction, our reality capture services facilitate informed decision-making and superior project outcomes.



DEVIATION ANALYSIS

Identify deviations between as-built conditions and BIM models to improve construction accuracy, quality control, and informed engineering decisions.



TERRESTRIAL LiDAR SCANNING

Capture highly accurate spatial data using advanced laser scanning technology to create detailed point clouds and digital site records.



AERIAL LiDAR SCANNING

Acquire accurate geospatial and topographical data over large project areas using drone-based LiDAR technology.



MOBILE MAPPING

Collect large-scale spatial data efficiently through vehicle-mounted scanning systems for infrastructure and urban projects.



GROUND PENETRATING RADAR (GPR)

Locate underground utilities, reinforcement, and subsurface elements for safer planning and construction.



POINT CLOUD PROCESSING

Convert raw scan data into structured, actionable digital assets for design validation, analysis, and project coordination.



DIGITAL ASSET MODELLING

Develop accurate 3D digital representations of physical assets to establish a reliable digital foundation for operations and lifecycle management.



ASSET REGISTER DEVELOPMENT

Create structured and comprehensive asset registers containing critical asset information for effective tracking, reporting, and maintenance.



CAFM IMPLEMENTATION SUPPORT

Assist in implementing Computer Aided Facility Management (CAFM) systems to optimize operations, maintenance planning, and asset performance.



ASSET TAGGING & IDENTIFICATION

Deliver standardized asset tagging solutions using unique identification methods to improve asset traceability and inventory management.



LIFECYCLE DATA MANAGEMENT

Maintain accurate asset information throughout the asset lifecycle, supporting maintenance, upgrades, inspections, and replacements.

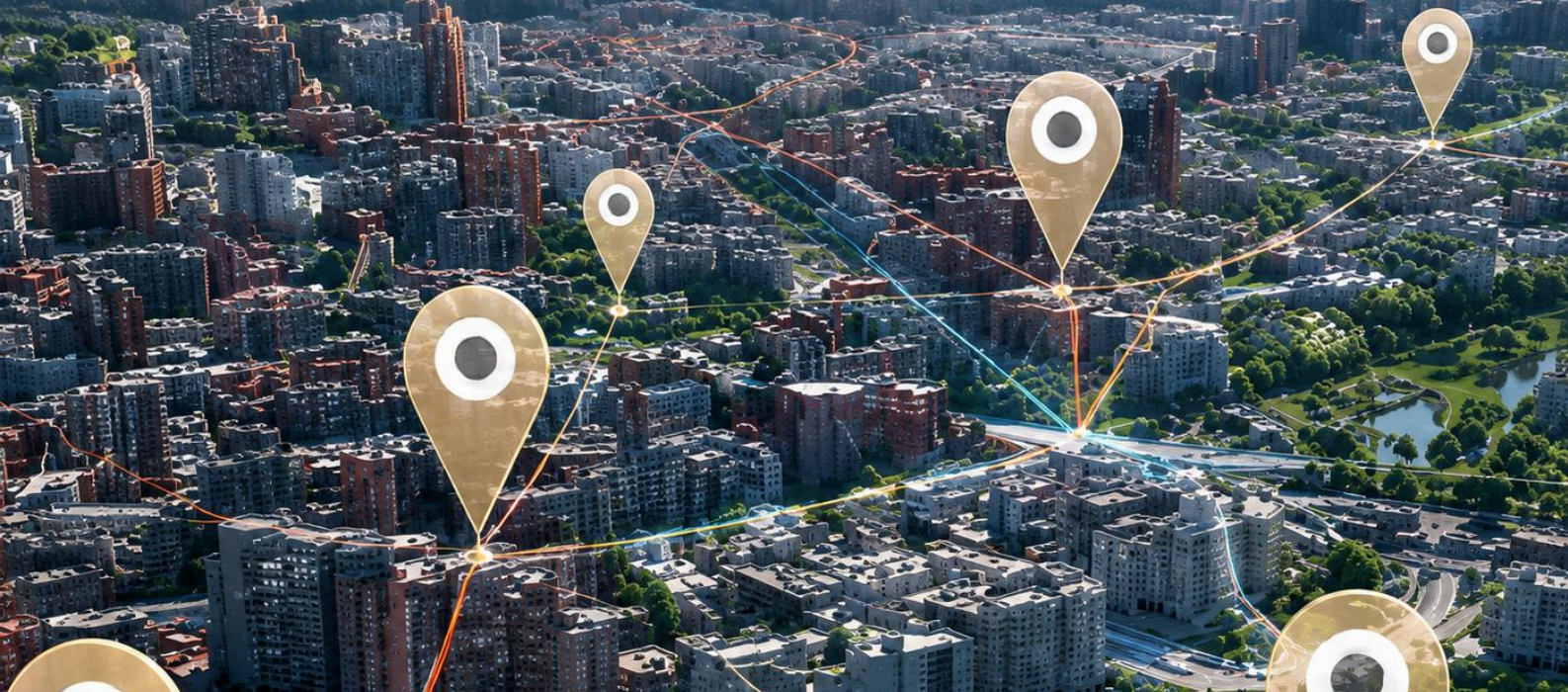


OPERATIONS & MAINTENANCE ENABLEMENT

Provide integrated digital asset information that empowers facility teams to improve maintenance efficiency, reduce downtime, and enhance operational performance.

06 ASSET MANAGEMENT

At Technical Xperts Group (TXG), we deliver comprehensive Asset Management solutions that transform physical assets into intelligent digital resources. Our services include 3D asset modeling, asset register development, Computer Aided Facility Management (CAFM) implementation support, and asset tagging to help organizations efficiently manage operations, maintenance, and the complete asset lifecycle. By creating accurate digital asset information, we enable improved visibility, streamlined maintenance processes, and informed decision-making across facilities.



07

GIS INTEGRATION & SMART CITIES

TXG's GIS integration services are designed to enhance urban planning and management. GIS technology is utilized to create, manage, analyze, and map all types of data. We develop web-based applications for various use cases, including data management, mapping and visualization, spatial analysis, and communication. Our GIS solutions support infrastructure development, environmental monitoring, and resource management, facilitating the creation of sustainable and resilient cities.



DATA MANAGEMENT

Organize, store, and manage spatial and non-spatial data for accurate and reliable information.



MAPPING & VISUALIZATION

Create interactive maps and visualizations for better understanding and communication.



SPATIAL ANALYSIS

Analyze spatial data to identify patterns, trends, and insights for smarter decision-making.



COMMUNICATION & COLLABORATION

Enable seamless sharing and collaboration through web-based GIS applications.



INFRASTRUCTURE MANAGEMENT

Plan, monitor, and manage urban infrastructure and resources efficiently.



ENVIRONMENTAL MONITORING

Track environmental conditions and support sustainable urban development.



STRATEGY & GUIDELINES

Develop clear digital construction strategies, frameworks, and implementation roadmaps aligned with project goals.



RFP & TENDER SUPPORT

Support tender preparation by aligning project requirements with client vision and digital delivery objectives.



TECHNOLOGY ADVISORY

Recommend the right digital construction technologies, platforms, and tools for maximum project value.



PROJECT EXECUTION

Guide implementation and execution processes to ensure successful adoption of digital methodologies.



CUSTOMIZED SOLUTIONS

Deliver tailored consulting solutions designed around specific business needs and project requirements.



TRAINING & SUPPORT

Equip teams with the knowledge, skills, and support required for long-term digital transformation success.

08 DIGITAL CONSTRUCTION CONSULTANCY TO CLIENTS

TXG offers digital construction consulting services to guide you through the adoption and implementation of digital construction technologies. We assist in setting up strategy and guidelines, provide RFP/tender support by understanding client vision and project requirements, and provide tailored advice on strategy development, technology selection, and project execution. We work closely with you to understand your specific needs and goals, offering customized solutions that enhance your construction processes.



09

STAFFING SERVICES

TXG provides specialized staffing services to ensure the success of your projects. We offer staffing solutions for BIM professionals, including skilled experts experienced in the latest digital construction technologies. Our extensive network and rigorous selection process guarantee that you find the best candidates to meet your project needs. Whether for temporary roles or long-term positions, our staffing solutions are flexible and tailored to your requirements. With TXG, you can build a capable team that drives project success and meets your organizational goals.



BIM PROFESSIONALS

Provide skilled BIM experts experienced in the latest digital construction technologies and workflows.



TALENT SOURCING

Leverage our extensive industry network to identify and recruit the best candidates for your projects.



RIGOROUS SELECTION

Ensure high-quality staffing through structured evaluation, screening, and candidate assessment processes.



FLEXIBLE STAFFING

Offer temporary, contract, project-based, and long-term staffing solutions tailored to your requirements.



TEAM ALIGNMENT

Match professionals with project objectives, organizational culture, and technical requirements.



TRAINING & DEVELOPMENT

Provide continuous learning and professional development to keep teams updated with industry advancements.



CUSTOM WEB APPLICATIONS

Develop scalable web applications tailored to business operations, improving productivity and streamlining digital workflows.



MOBILE APP DEVELOPMENT

Build Android and iOS applications for field operations, inspections, maintenance activities, and real-time collaboration.



ENTERPRISE PLATFORM DEVELOPMENT

Design enterprise-grade platforms that centralize business processes, project information, and operational data.



API & SYSTEM INTEGRATION

Integrate BIM, CAFM, ERP, IoT devices, GIS, and third-party systems into a unified digital ecosystem.



DASHBOARDS & ANALYTICS

Deliver real-time dashboards and business intelligence solutions that support informed decision-making through live operational insights.



IoT SOLUTIONS

Design and implement IoT-enabled solutions that connect smart devices, sensors, and assets for real-time monitoring, automation, predictive maintenance, and intelligent facility operations.

10 IT SERVICES

At Technical Xperts Group (TXG), we develop intelligent web applications, enterprise platforms, and mobile solutions that accelerate digital transformation across engineering, construction, and facility management. Our team delivers scalable software tailored to business workflows, enabling seamless data integration, process automation, real-time monitoring, and operational efficiency through secure and user-centric digital platforms.



DIGITAL
DELIVERY
PARTNER

OUR KEY CLIENTS

Trusted by leading developers, contractors, government entities and mega projects across the Middle East.



OUR TECHNOLOGY PARTNERS

Partnering with global technology leaders to deliver smarter digital engineering solutions.



TIMELINE HISTORY

A journey of growth, innovation and digital excellence, Delivering value, Building trust, creative impact.

13 YEARS OF
DIGITAL DELIVERY
EXCELLENCE

2013 - 2026



2013

COMPANY ESTABLISHED

TXG was established in India.



2016

STARTED BIM SERVICES

Launched BIM 4D&5D services.



2019

RIYADH METRO, KSA

Contributed to one the Kingdom's most iconic project.



2021

KING SALMAN PARK, KSA

Supporting digital delivery for landmark green development.



2013

NEOM BAY AIRPORT T1, T2

Supporting digital delivery for NEOM's visionary project.



2025

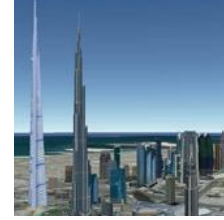
SIX SENSES HOTEL - WADI SAFAR

BIM delivery for a prestigious luxury hospitality development in Saudi Arabia.

2015

EXPANSION IN UAE

TXG was established in UAE, extended its operations to KSA With Kingdom Tower, KSA.



2018

TADAWUL TOWER, KSA

Delivered BIM solutions for Tadawul Tower, KSA.



2020

KING ABDUL AZIZ INTERNATIONAL AIRPORT (KAIA)

Part of the design & BIM delivery team.



2022

KING ABDULLAH FINANCIAL DISTRICT (KAFFD), KSA

Delivered digital solutions for KAFFD.



2024

SPORTS BOULEVARD, KSA

Contributing to Riyadh's world-class sport and lifestyle destination.

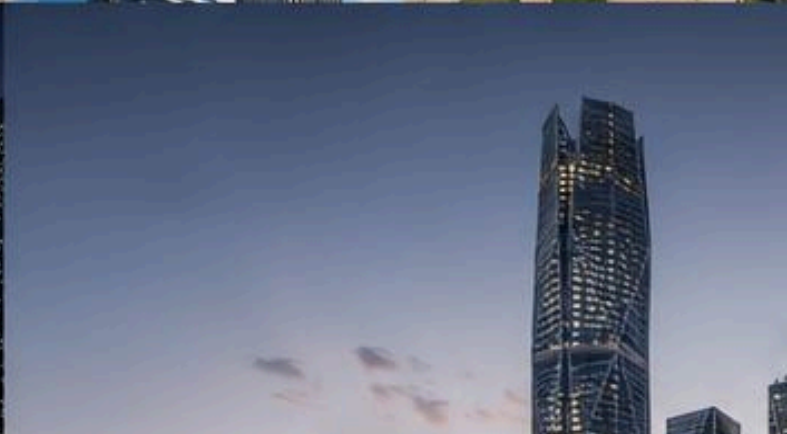
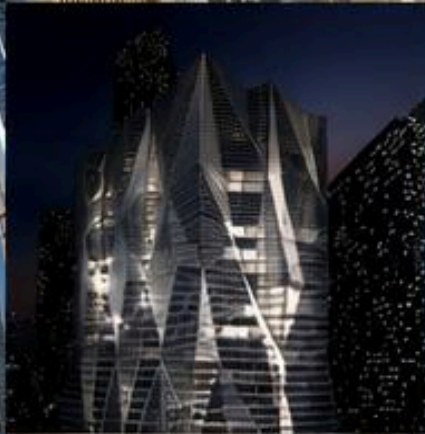


2026

JANADRIYA CULTURAL QUARTERS, QIDDIYA

BIM delivery for a landmark cultural district in Riyadh, Saudi Arabia.







MORE THAN
160
PROJECTS DELIVERED

COMPUTER AIDED FACILITY MANAGEMENT (CAFM) & DIGITAL TWIN

TXG
TECHNICAL XPERTS GROUP

DIGITAL
DELIVERY
PARTNER

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KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided Facility Management (CAFM) & Digital Twin



CLIENT

KAFD



CONTRACTOR

ICAD



LOCATION

Riyadh, KSA

The collaboration with King Abdullah Financial District (KAFD) showcased our expertise in revolutionizing enterprise architecture, highlighting our contribution using advanced technologies like Scan to BIM and Asset Information Modelling, culminating in the seamless integration of the client's Common Data Environment (CDE) with their operational systems.

We addressed the King Abdullah Financial District's (KAFD) critical need for As-Built documentation and asset information by deploying a strategic two-phase approach, utilizing LiDAR technology for creating detailed 3D Building Information and Asset Information Models. These initiatives provided vital operational and facilities management data, integrated into a Common Data Environment (CDE) to ensure a centralized, reliable data source. This transformation significantly enhanced operational efficiency, data accuracy across maintenance and leasing activities, and set new standards for asset management.

The collaboration propelled KAFD to the forefront of operational excellence, showcasing a pioneering model for asset and facilities management integration.

QUICK OVERVIEW

- 1 Million+ Critical Assets Modelled.
- 32 Million+ Total Attributes Added.
- 15,000+ Total Spaces / Units Defined.
- **Project Duration** : 2 years.
- **Manpower** : 55 Engineers Onsite & 220 BIM Engineers Off site.



SERVICES

- 3.3 million Square Meters of LiDAR data capture.
- 47 Building Buildings for LiDAR scanning, LOD500 Modelling.
- 6 Operational Asset Information Models to LOD500.



INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

1.16

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Working with King Abdullah Financial District (KAFD), TXG demonstrated its ability to revolutionize enterprise architecture. We used Scan to BIM and Asset Information Modelling to integrate their Common Data Environment (CDE) with operational systems. By deploying LiDAR technology in two-phase strategy, we created detailed 3D models essential for effective operations and facilities management. This transformation significantly improved operational efficiency and data accuracy, enhancing maintenance and leasing activities. Our collaboration set new benchmarks in asset management, showcasing KAFD as a model of operational excellence.

QUICK OVERVIEW

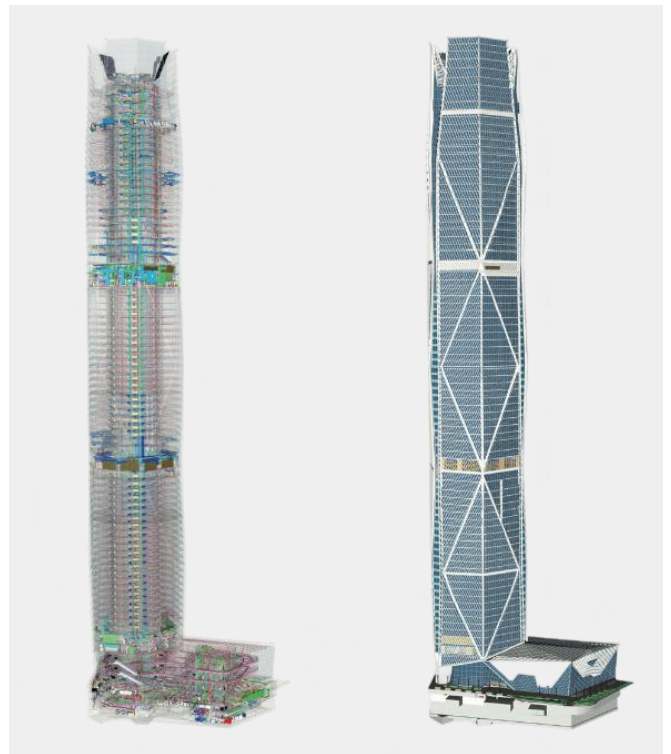
	ZONE	: Area 01
	GFA	: 201, 260 Sq. m.
	HEIGHT	: 385 m/1263 ft.
	TOTAL FLOOR	: 76
	TOTAL DURATION	: 120 Days

SERVICES

- 3.3 million Square Meters of LiDAR data capture.
- 47 Building Buildings for LiDAR scanning, LOD500 Modelling.
- 6 Operational Asset Information Models to LOD500.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

1.15

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

At the core of our partnership with King Abdullah Financial District (KAFD) was a mission to transform enterprise architecture. Utilizing Scan to BIM and Asset Information Modelling, we integrated their Common Data Environment (CDE) with operational systems seamlessly. Our meticulous two-phase approach employed LiDAR technology to develop intricate 3D models, enhancing operational efficiency and data accuracy. This project not only addressed KAFD's critical needs but also set new industry standards in asset management, positioning them as leaders in operational excellence.



QUICK OVERVIEW

ZONE	: Area 01
GFA	: 139,303 Sq. m.
HEIGHT	: 304 m/997 ft.
TOTAL FLOOR	: 67
TOTAL DURATION	: 90 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

1.09

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

TXG's collaboration with King Abdullah Financial District (KAFD) underscored our capabilities in enterprise architecture innovation. By utilizing Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Our strategic two-phase approach with LiDAR technology produced detailed 3D models, significantly enhancing operational efficiency and data accuracy. This project established new standards in asset management and positioned KAFD as a pioneer in operational excellence.

QUICK OVERVIEW

	ZONE	: Area 01
	GFA	: 105,538 Sq. m.
	HEIGHT	: 157 m/515 ft.
	TOTAL FLOOR	: 36
	TOTAL DURATION	: 90 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

1.10

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT

KAJD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

King Abdullah Financial District (KAJD) faced a pressing need for accurate As-Built documentation and asset information. TXG addressed this by deploying a two-phase strategy using LiDAR technology, resulting in detailed 3D Building and Asset Information Models. These models were integrated into their Common Data Environment (CDE), providing a centralized, reliable data source. The outcome was a significant enhancement in operational efficiency and data accuracy, setting new standards in asset management and positioning KAJD as a leader in operational excellence.



QUICK OVERVIEW

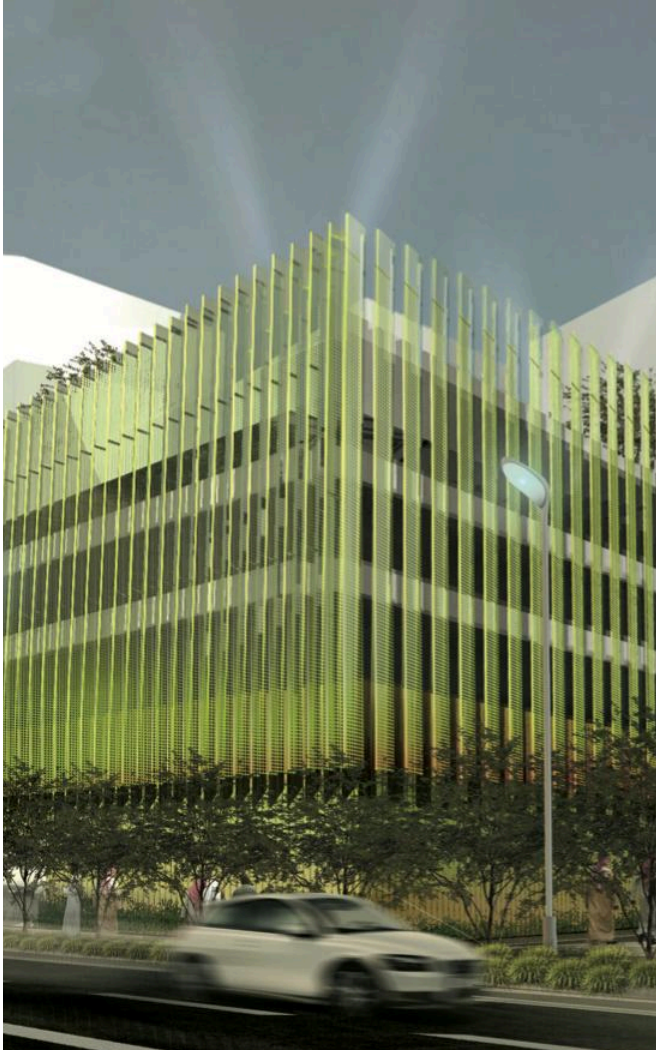
ZONE	:	Area 01
GFA	:	100,437 Sq. m.
HEIGHT	:	135 m/443 ft.
TOTAL FLOOR	:	26
TOTAL DURATION	:	90 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

1.04

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Our collaboration with King Abdullah Financial District (KAFD) showcased TXG's ability to deliver substantial benefits through advanced technologies. By using Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. The strategic use of LiDAR technology in a two-phase approach yielded detailed 3D models, enhancing operational efficiency and data accuracy. This project not only improved maintenance and leasing activities but also set new benchmarks in asset management, propelling KAFD to the forefront of operational excellence.

QUICK OVERVIEW

	ZONE	: Area 01
	GFA	: 98,986 Sq. m.
	TOTAL DURATION	: 90 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

1.19

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

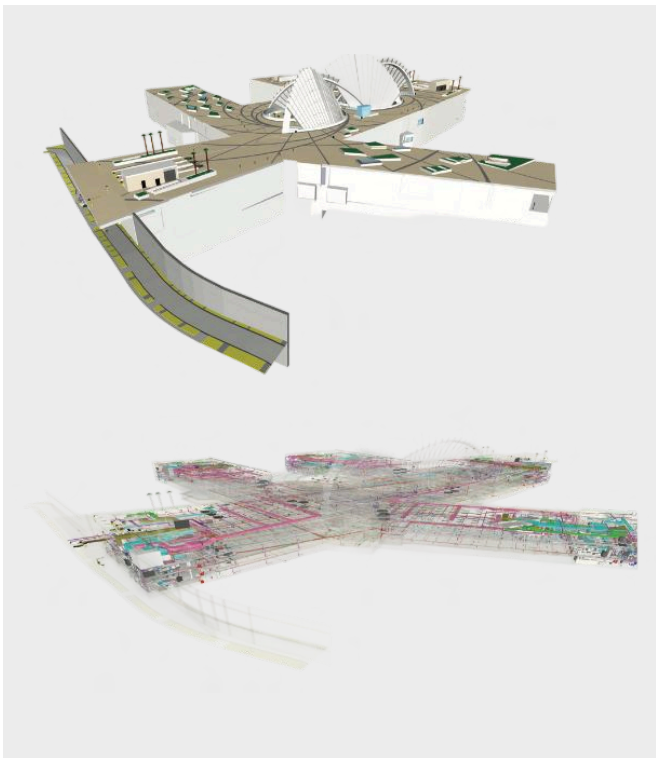
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

In our collaboration with King Abdullah Financial District (KAFD), TXG implemented a comprehensive approach to modernize their enterprise architecture. Utilizing Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Our two-phase strategy involved using LiDAR technology to create precise 3D Building and Asset Information Models. This ensured a centralized data source, significantly improving operational efficiency and data accuracy in maintenance and leasing activities, setting new industry standards in asset management.



QUICK OVERVIEW

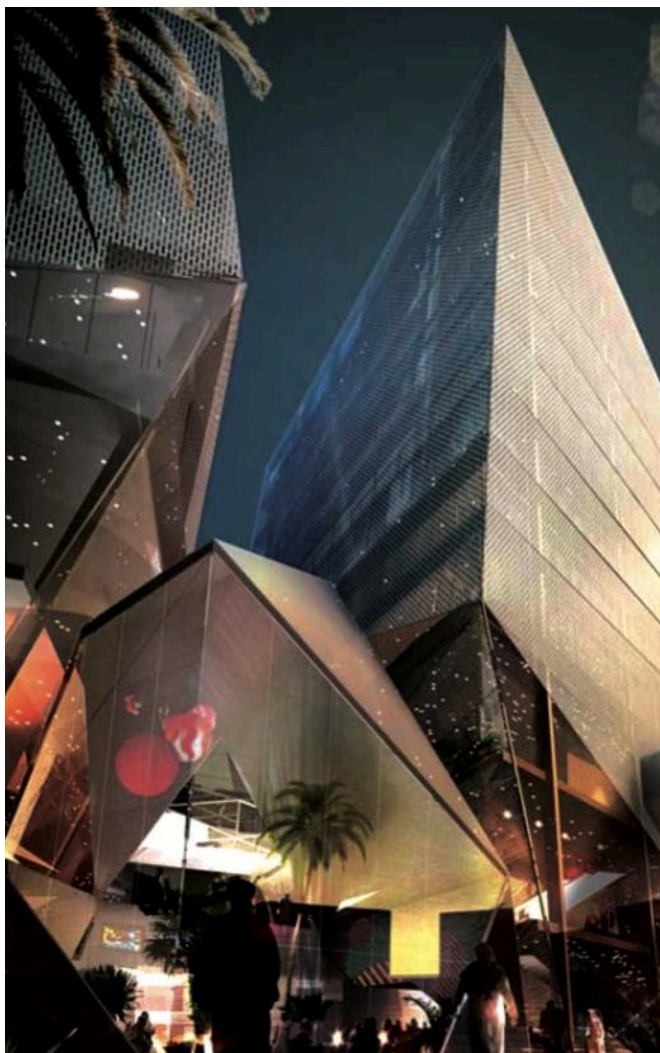
ZONE	:	Area 01
GFA	:	79,364 Sq. m.
TOTAL DURATION	:	90 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodus Integration
- CAFM Support with COBie Integration



PARCEL

2.10

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin



CLIENT

KAFD



CONTRACTOR

ICAD



LOCATION

Riyadh, KSA

The partnership with King Abdullah Financial District (KAFD) demonstrated TXG's significant impact on enterprise architecture. Employing advanced technologies such as Scan to BIM and Asset Information Modelling, we integrated their Common Data Environment (CDE) seamlessly with operational systems. Our strategic use of LiDAR technology in a two-phase approach resulted in detailed 3D models, enhancing operational efficiency and data accuracy. This transformation set new standards in asset management and established KAFD as a leader in operational excellence.

QUICK OVERVIEW



ZONE : Area 02



GFA : 35,332 Sq. m.



TOTAL DURATION : 60 Days



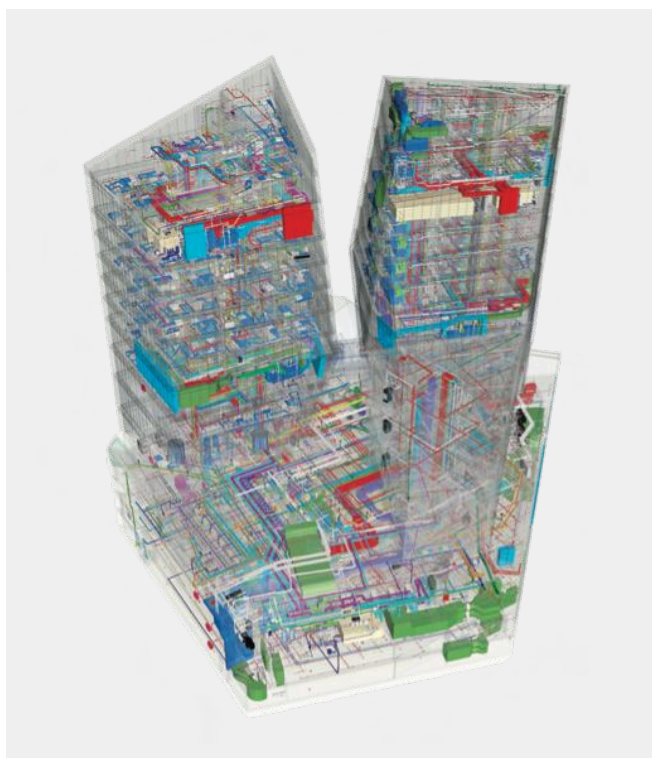
SERVICES

- LiDAR scanning, LOD500 Modelling.



INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

2.14

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

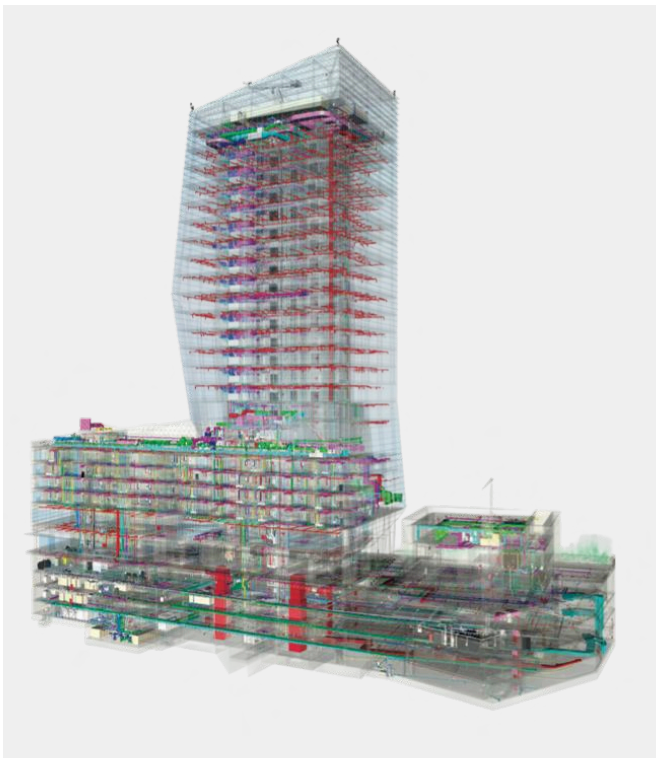
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Our collaboration with King Abdullah Financial District (KAFD) highlighted TXG's achievements in transforming enterprise architecture. By using Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Utilizing LiDAR technology in a strategic two-phase approach, we developed comprehensive 3D models. This effort significantly enhanced operational efficiency and data accuracy, setting new standards in asset management and establishing KAFD as a leader in operational excellence.



QUICK OVERVIEW

ZONE	: Area 02
GFA	: 69,553 Sq. m.
TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

2.12

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

TXG's partnership with King Abdullah Financial District (KAFD) underscored our innovative approach to enterprise architecture. Leveraging advanced Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Through a two-phase strategy using LiDAR technology, we created detailed 3D models that provided vital data for operations and facilities management. This innovation significantly improved operational efficiency and data accuracy, setting new benchmarks in asset management and positioning KAFD at the forefront of operational excellence.

QUICK OVERVIEW

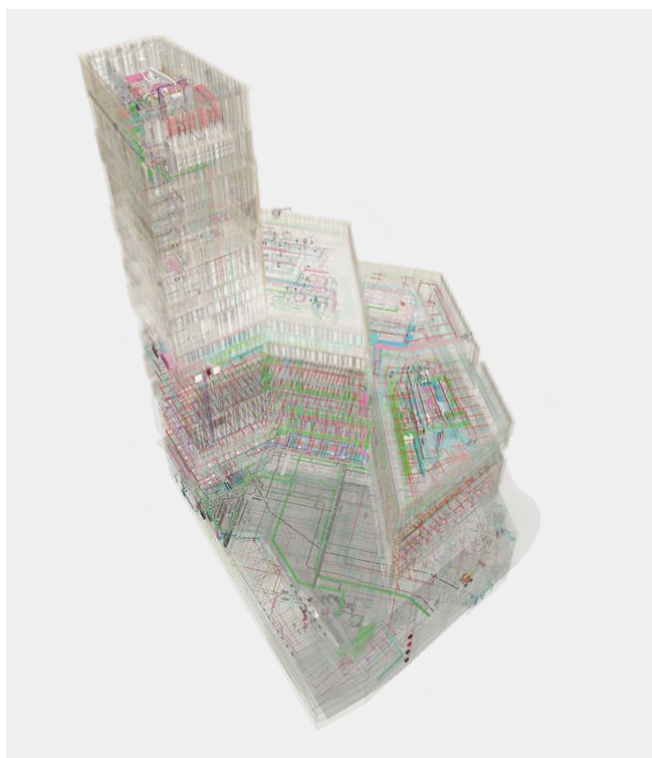
	ZONE	: Area 02
	GFA	: 72,910 Sq. m.
	HEIGHT	: 105 m/144 ft
	TOTAL FLOOR	: 23
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

1.11

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

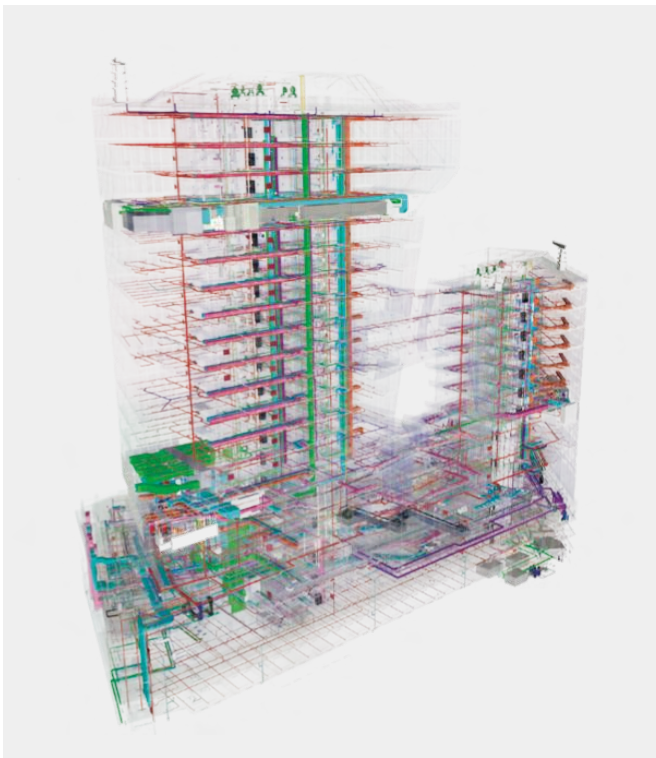
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

ur collaboration with the King Abdullah Financial District (KAFD) highlighted TXG's expertise in enterprise architecture. We employed advanced technologies like Scan to BIM and Asset Information Modelling, seamlessly integrating their Common Data Environment (CDE) with operational systems. Through a strategic two-phase approach using LiDAR technology, we developed detailed 3D Building and Asset Information Models. These initiatives provided essential data for operations and facilities management, ensuring a centralized, reliable data source. The transformation significantly enhanced operational efficiency and data accuracy, setting new standards for asset management and positioning KAFD at the forefront of operational excellence.



QUICK OVERVIEW

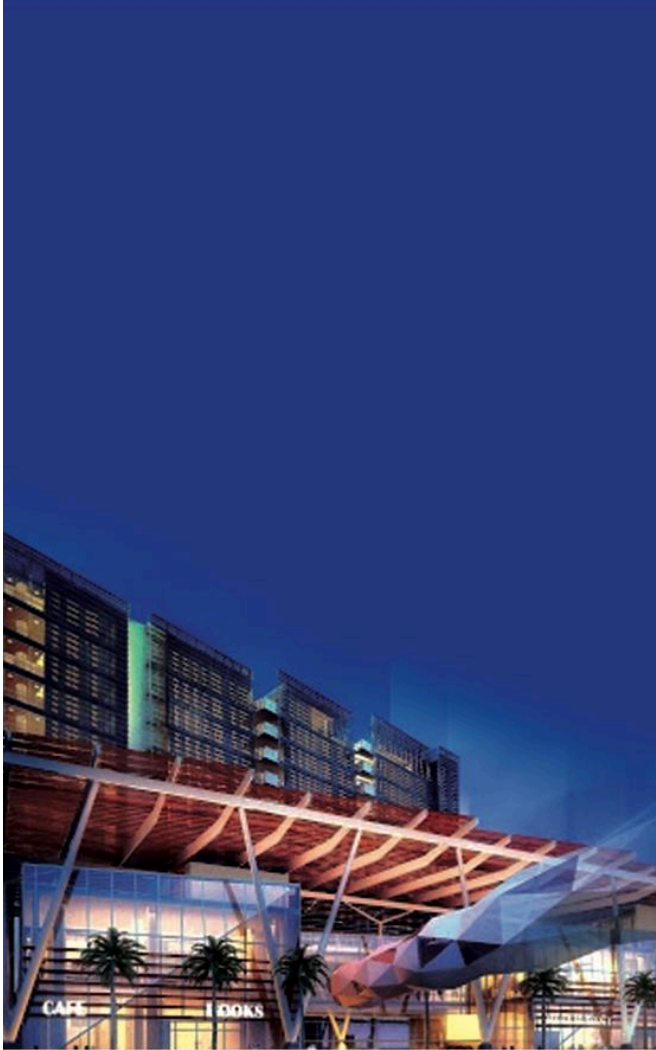
	ZONE	:	Area 01
	GFA	:	57, 376 Sq. m.
	HEIGHT	:	83 m/ 272 ft
	TOTAL FLOOR	:	18
	TOTAL DURATION	:	60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

2.11

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

 CLIENT

KAFD

 CONTRACTOR

ICAD

 LOCATION

Riyadh, KSA

Working with King Abdullah Financial District (KAFD), TXG demonstrated its ability to revolutionize enterprise architecture. We used Scan to BIM and Asset Information Modelling to integrate their Common Data Environment (CDE) with operational systems. By deploying LiDAR technology in a two-phase strategy, we created detailed 3D models essential for effective operations and facilities management. This transformation significantly improved operational efficiency and data accuracy, enhancing maintenance and leasing activities. Our collaboration set new benchmarks in asset management, showcasing KAFD as a model of operational excellence.

QUICK OVERVIEW

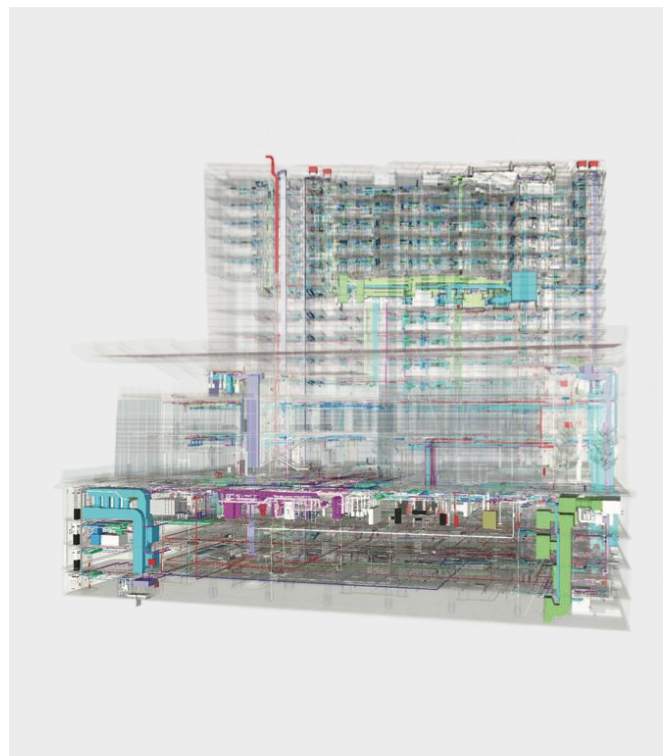
	ZONE	: Area 02
	GFA	: 53,806 Sq. m.
	HEIGHT	: 55 m/180 ft
	TOTAL FLOOR	: 11
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

2.13

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

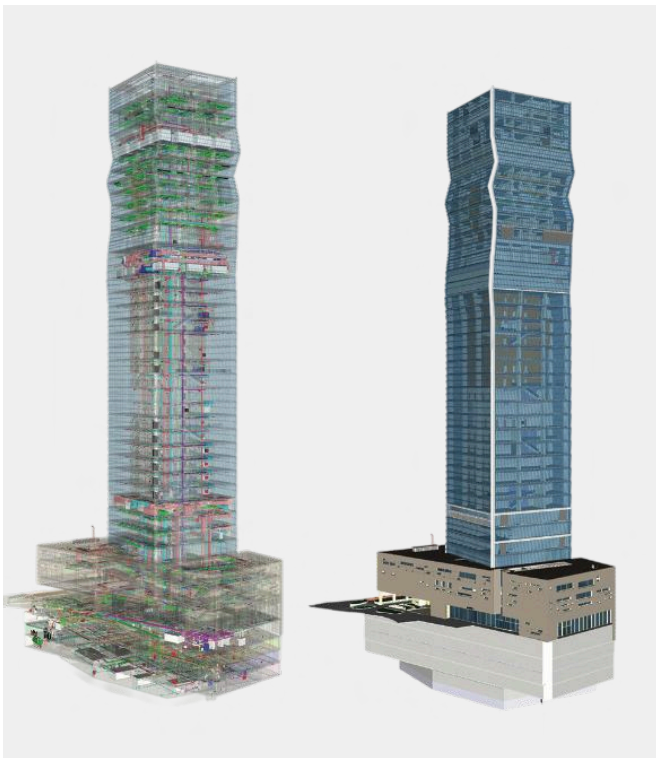
Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT
KAJD

CONTRACTOR
ICAD

LOCATION
Riyadh, KSA

Working with King Abdullah Financial District (KAJD), TXG demonstrated its ability to revolutionize enterprise architecture. We used Scan to BIM and Asset Information Modelling to Integrate their Common Data Environment (CDE) with operational systems. By deploying LiDAR technology in a two-phase strategy, we created detailed 3D models essential for effective operations and facilities management. This transformation significantly improved operational efficiency and data accuracy, enhancing maintenance and leasing activities. Our collaboration set new benchmarks in asset management, showcasing KAJD as a model of operational excellence.



QUICK OVERVIEW

ZONE	: Area 02
GFA	: 45,493 Sq. m.
TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

2.15

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

At the core of our partnership with King Abdullah Financial District (KAFD) was a mission to transform enterprise architecture. Utilizing Scan to BIM and Asset Information Modelling, we integrated their Common Data Environment (CDE) with operational systems seamlessly. Our meticulous two-phase approach employed LiDAR technology to develop intricate 3D models, enhancing operational efficiency and data accuracy. This project not only addressed KAFD's critical needs but also set new industry standards in asset management, positioning them as leaders in operational excellence.

QUICK OVERVIEW

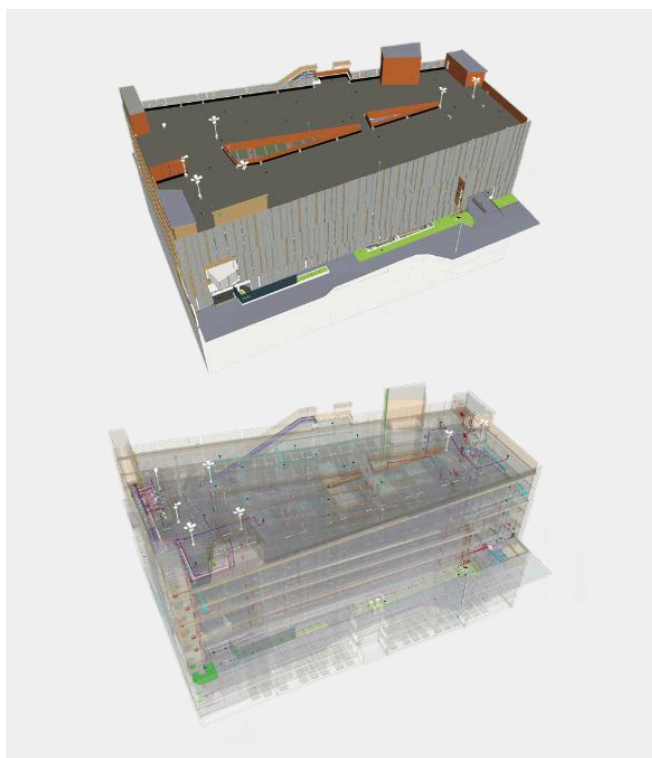
	ZONE	: Area 02
	GFA	: 33,971 Sq. m.
	TOTAL DURATION	: 30 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

2.07

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

TXG's collaboration with King Abdullah Financial District (KAFD) underscored our capabilities in enterprise architecture innovation. By utilizing Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Our strategic two-phase approach with LiDAR technology produced detailed 3D models, significantly enhancing operational efficiency and data accuracy. This project established new standards in asset management and positioned KAFD as a pioneer in operational excellence.



QUICK OVERVIEW

ZONE	: Area 02
GFA	: 81,993 Sq. m.
TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

2.09

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

King Abdullah Financial District (KAFD) faced a pressing need for accurate As-Built documentation and asset information. TXG addressed this by deploying a two-phase strategy using LiDAR technology, resulting in detailed 3D Building and Asset Information Models. These models were integrated into their Common Data Environment (CDE), providing a centralized, reliable data source. The outcome was a significant enhancement in operational efficiency and data accuracy, setting new standards in asset management and positioning KAFD as a leader in operational excellence.

QUICK OVERVIEW

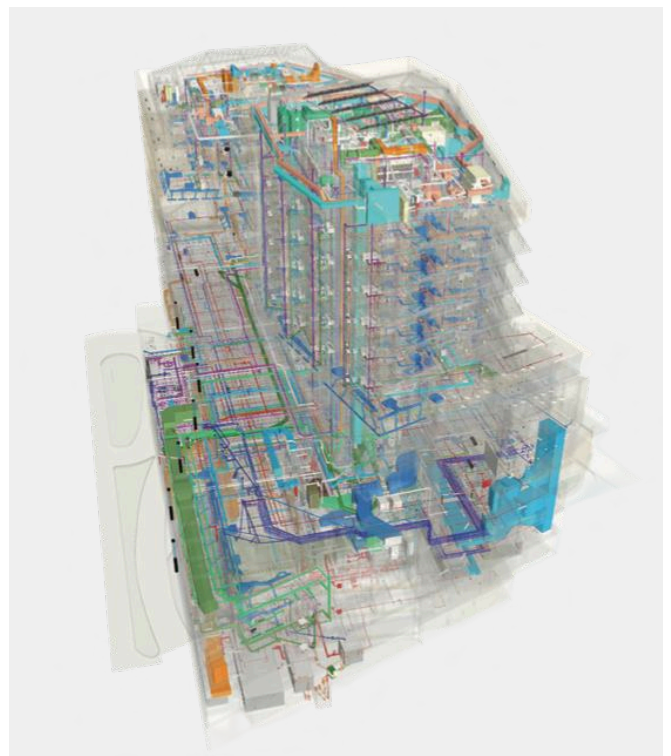
	ZONE	: Area 02
	GFA	: 25,725 Sq. m.
	HEIGHT	: 34.5 m/113 ft.
	TOTAL FLOOR	: 07
	TOTAL DURATION	: 30 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

3.09

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT

KAJD

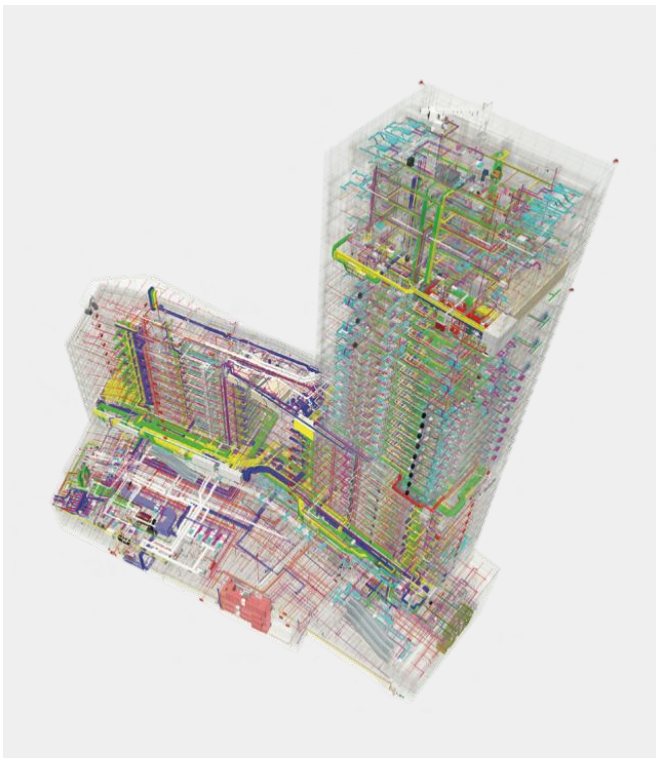
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Our collaboration with King Abdullah Financial District (KAJD) showcased TXG's ability to deliver substantial benefits through advanced technologies. By using Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. The strategic use of LiDAR technology in a two-phase approach yielded detailed 3D models, enhancing operational efficiency and data accuracy. This project not only improved maintenance and leasing activities but also set new benchmarks in asset management, propelling KAJD to the forefront of operational excellence.



QUICK OVERVIEW

	ZONE	: Area 03
	GFA	: 89,429 Sq. m.
	HEIGHT	: 138 m/453 ft.
	TOTAL FLOOR	: 33
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

4.01

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

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QUICK OVERVIEW

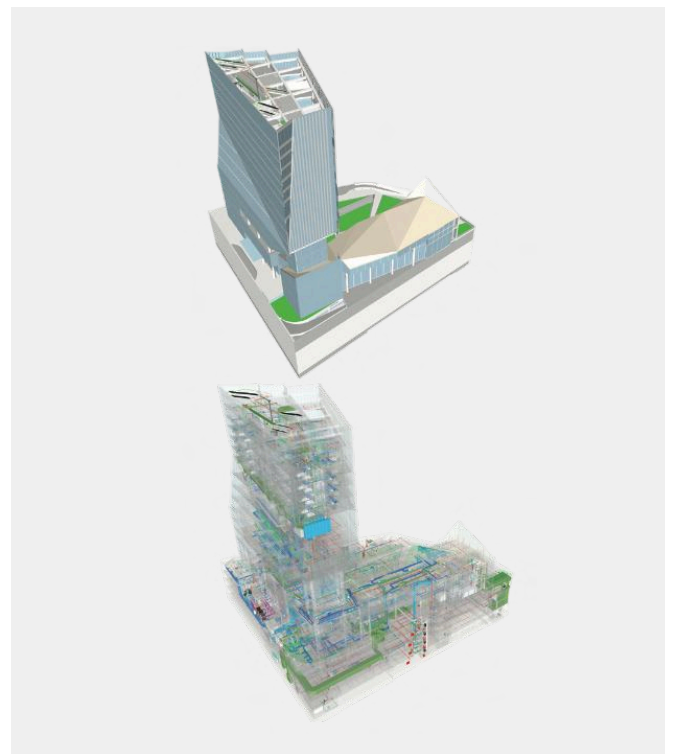
	ZONE	: Area 04
	GFA	: 40,001 Sq. m.
	HEIGHT	: 82 m/269 ft.
	TOTAL FLOOR	: 21
	TOTAL DURATION	: 30 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



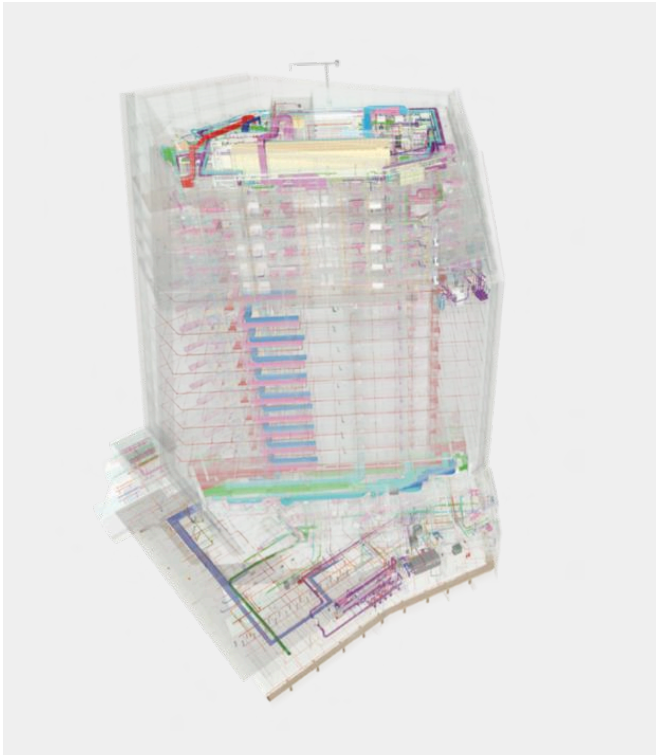
PARCEL
4.07

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT: KAJD
CONTRACTOR: ICAD
LOCATION: Riyadh, KSA

The partnership with King Abdullah Financial District (KAJD) demonstrated TXG's significant impact on enterprise architecture. Employing advanced technologies such as Scan to BIM and Asset Information Modelling, we integrated their Common Data Environment (CDE) seamlessly with operational systems. Our strategic use of LiDAR technology in a two-phase approach resulted in detailed 3D models, enhancing operational efficiency and data accuracy. This transformation set new standards in asset management and established KAJD as a leader in operational excellence.



QUICK OVERVIEW

ZONE	: Area 04
GFA	: 52,288 Sq. m.
HEIGHT	: 81 m/266 ft.
TOTAL FLOOR	: 19
TOTAL DURATION	: 30 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

4.12

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

 CLIENT

KAFD

 CONTRACTOR

ICAD

 LOCATION

Riyadh, KSA

Our collaboration with King Abdullah Financial District (KAFD) highlighted TXG's achievements in transforming enterprise architecture. By using Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Utilizing LiDAR technology in a strategic two-phase approach, we developed comprehensive 3D models. This effort significantly enhanced operational efficiency and data accuracy, setting new standards in asset management and establishing KAFD as a leader in operational excellence.

QUICK OVERVIEW

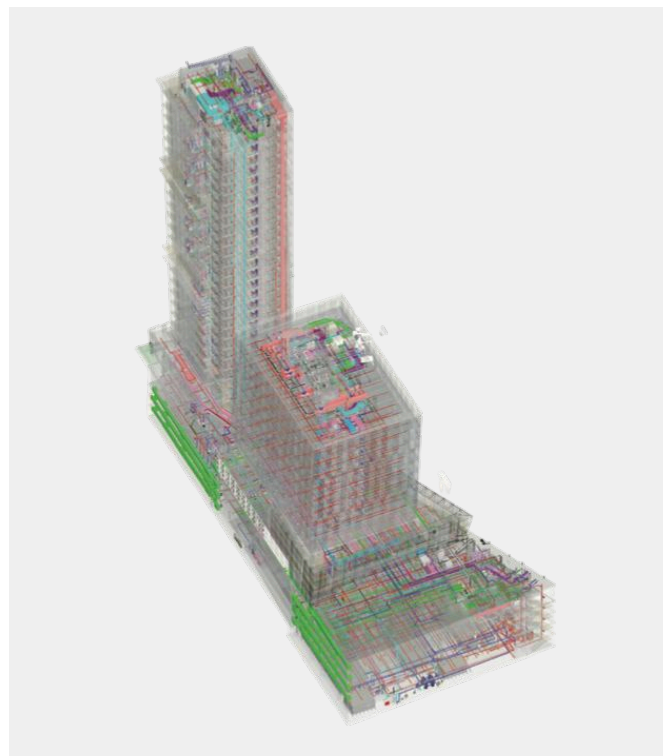
	ZONE	: Area 04
	GFA	: 50,196 Sq. m.
	TOTAL DURATION	: 30 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecdomus Integration
- CAFM Support with COBie Integration



PARCEL

4.03

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

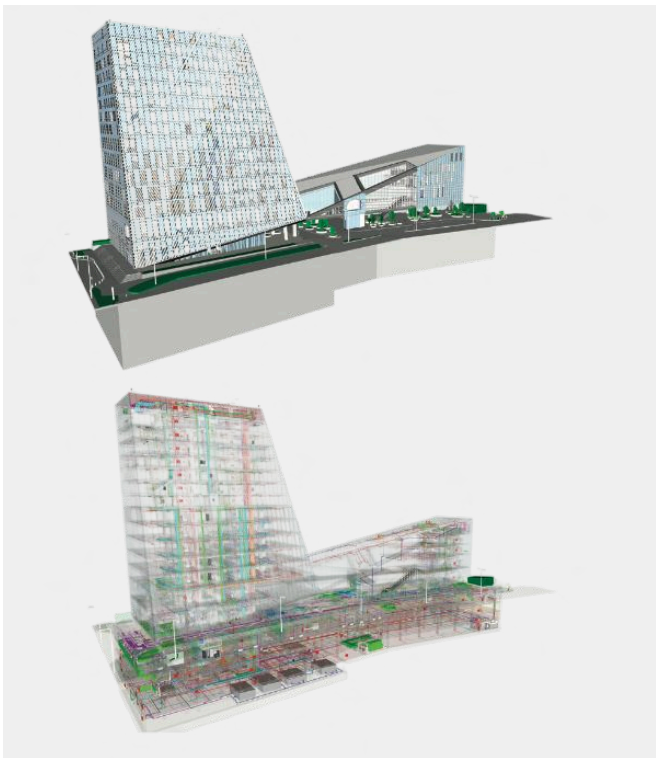
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

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QUICK OVERVIEW

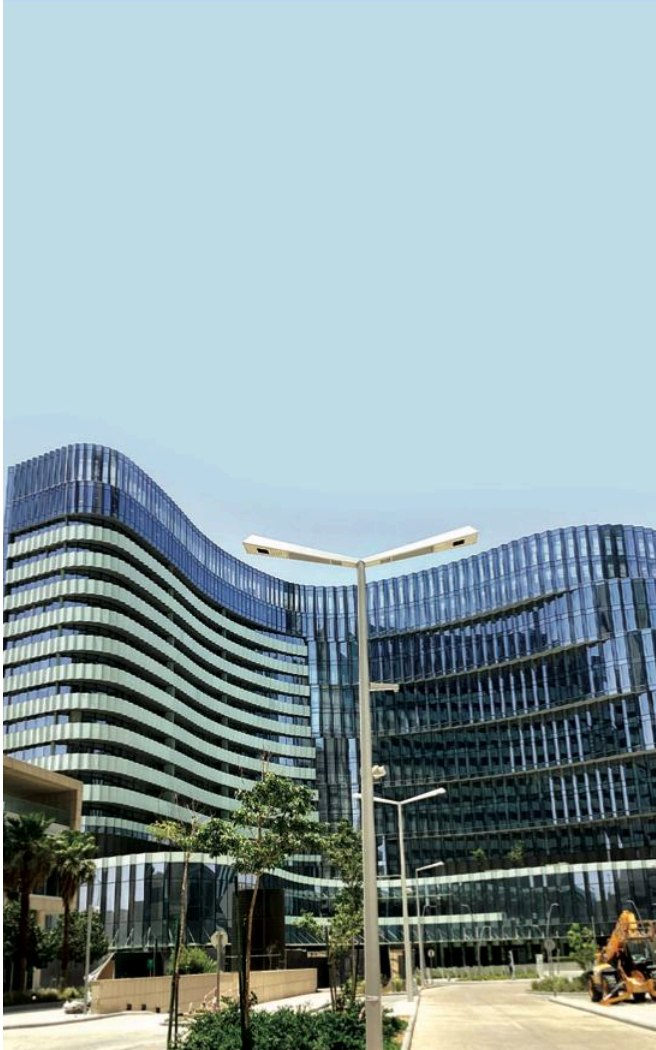
ZONE	: Area 04
GFA	: 46,129 Sq. m.
TOTAL DURATION	: 30 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

4.11

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

 CLIENT

KAFD

 CONTRACTOR

ICAD

 LOCATION

Riyadh, KSA

Our collaboration with the King Abdullah Financial District (KAFD) highlighted TXG's expertise in enterprise architecture. We employed advanced technologies like Scan to BIM and Asset Information Modelling, seamlessly integrating their Common Data Environment (CDE) with operational systems. Through a strategic two-phase approach using LiDAR technology, we developed detailed 3D Building and Asset Information Models. These initiatives provided essential data for operations and facilities management, ensuring a centralized, reliable data source. The transformation significantly enhanced operational efficiency and data accuracy, setting new standards for asset management and positioning KAFD at the forefront of operational excellence.

QUICK OVERVIEW

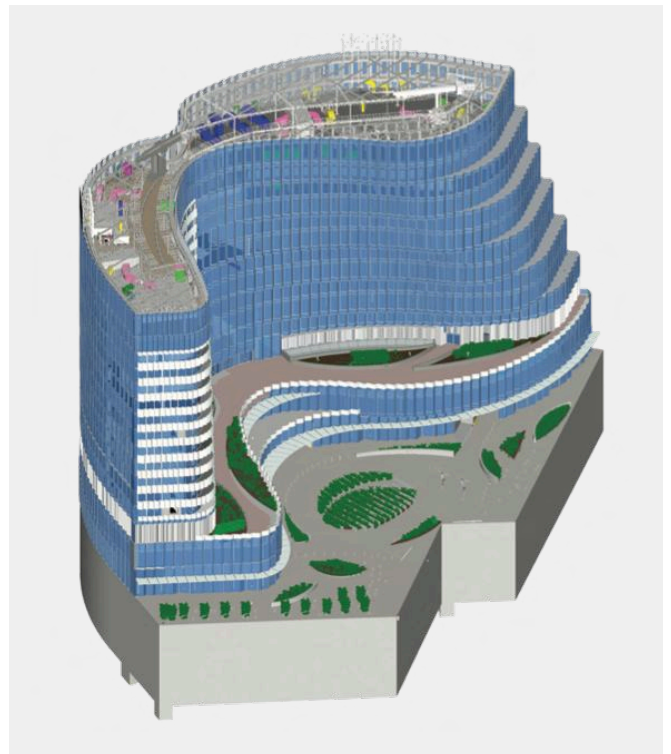
	ZONE	: Area 04
	GFA	: 66,185 Sq. m.
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecdomus Integration
- CAFM Support with COBie Integration



PARCEL

4.10

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

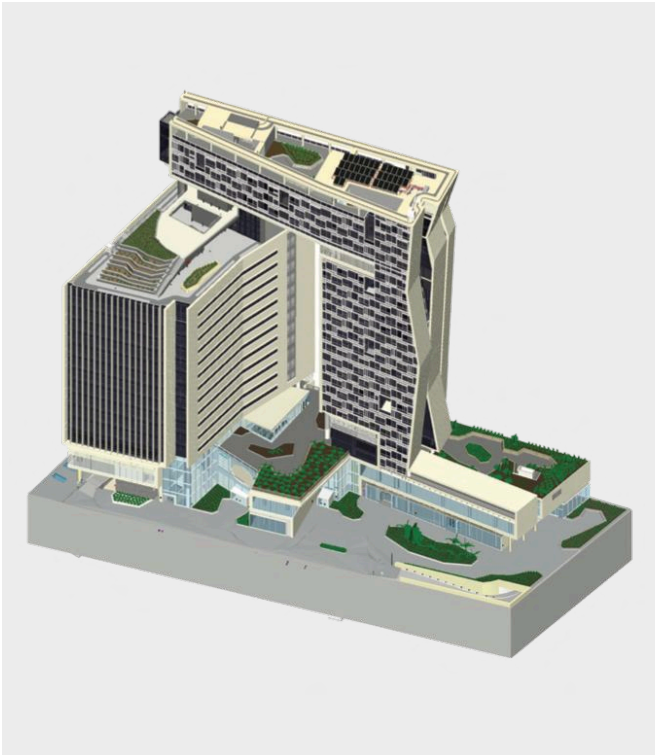
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Working with King Abdullah Financial District (KAFD), TXG demonstrated its ability to revolutionize enterprise architecture. We used Scan to BIM and Asset Information Modelling to integrate their Common Data Environment (CDE) with operational systems. By deploying LiDAR technology in a two-phase strategy, we created detailed 3D models essential for effective operations and facilities management. This transformation significantly improved operational efficiency and data accuracy, enhancing maintenance and leasing activities. Our collaboration set new benchmarks in asset management, showcasing KAFD as a model of operational excellence.



QUICK OVERVIEW

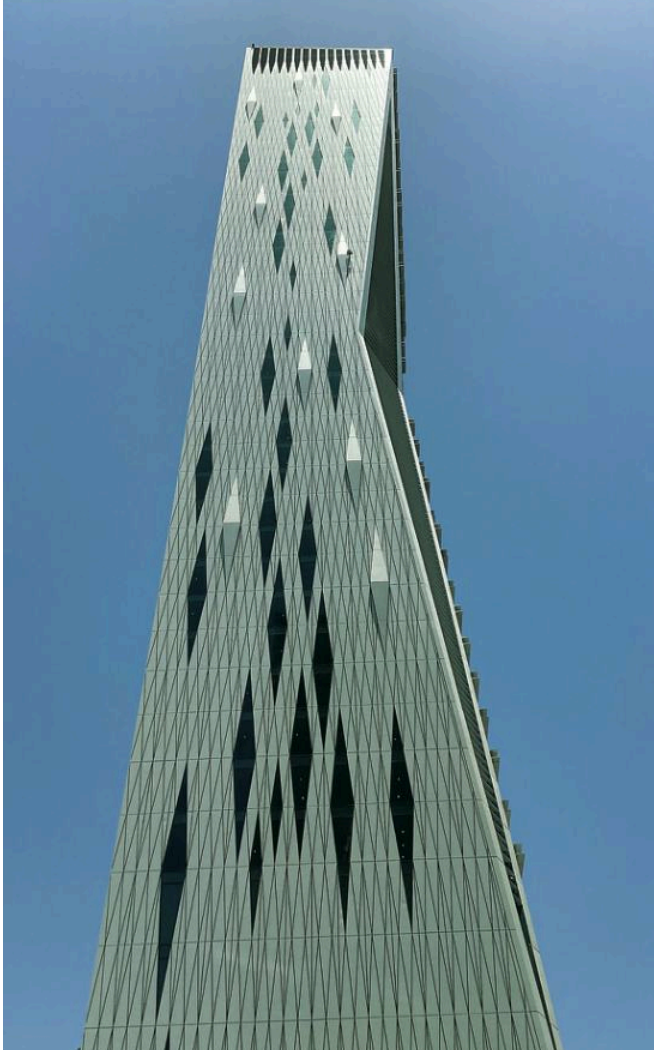
	ZONE	: Area 04
	GFA	: 66,185 Sq. m.
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

4.09

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

At the core of our partnership with King Abdullah Financial District (KAFD) was a mission to transform enterprise architecture. Utilizing Scan to BIM and Asset Information Modelling, we integrated their Common Data Environment (CDE) with operational systems seamlessly. Our meticulous two-phase approach employed LiDAR technology to develop intricate 3D models, enhancing operational efficiency and data accuracy. This project not only addressed KAFD's critical needs but also set new industry standards in asset management, positioning them as leaders in operational excellence.

QUICK OVERVIEW

	ZONE	: Area 04
	GFA	: 107,111 Sq. m.
	TOTAL DURATION	: 90 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



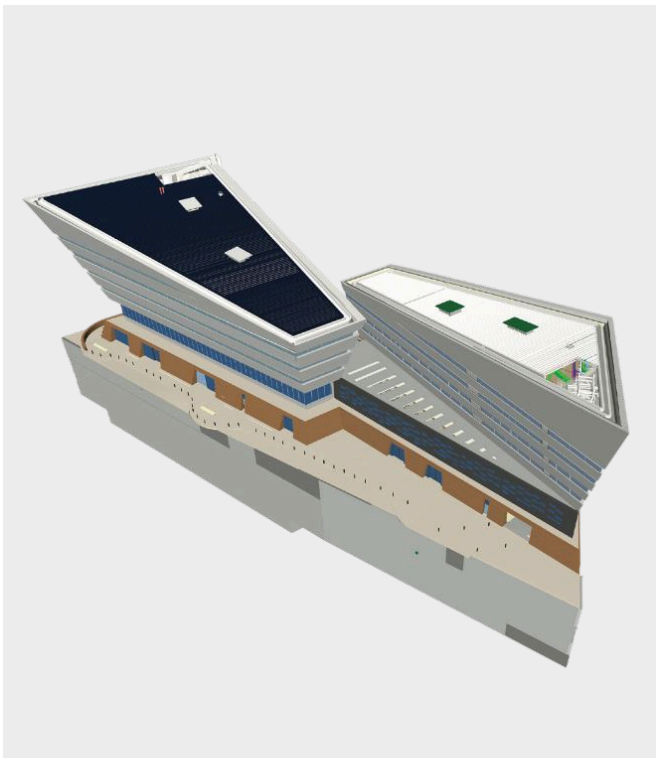
PARCEL
4.02

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

 CLIENT	 CONTRACTOR	 LOCATION
KAFD	ICAD	Riyadh, KSA

TXG's collaboration with King Abdullah Financial District (KAFD) underscored our capabilities in enterprise architecture innovation. By utilizing Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Our strategic two-phase approach with LiDAR technology produced detailed 3D models, significantly enhancing operational efficiency and data accuracy. This project established new standards in asset management and positioned KAFD as a pioneer in operational excellence.



QUICK OVERVIEW

 ZONE	: Area 04
 GFA	: 35,943 Sq. m.
 TOTAL DURATION	: 30 Days

 SERVICES

- LiDAR scanning, LOD500 Modelling.

 INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

4.08

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

King Abdullah Financial District (KAFD) faced a pressing need for accurate As-Built documentation and asset information. TXG addressed this by deploying a two-phase strategy using LiDAR technology, resulting in detailed 3D Building and Asset Information Models. These models were integrated into their Common Data Environment (CDE), providing a centralized, reliable data source. The outcome was a significant enhancement in operational efficiency and data accuracy, setting new standards in asset management and positioning KAFD as a leader in operational excellence.

QUICK OVERVIEW

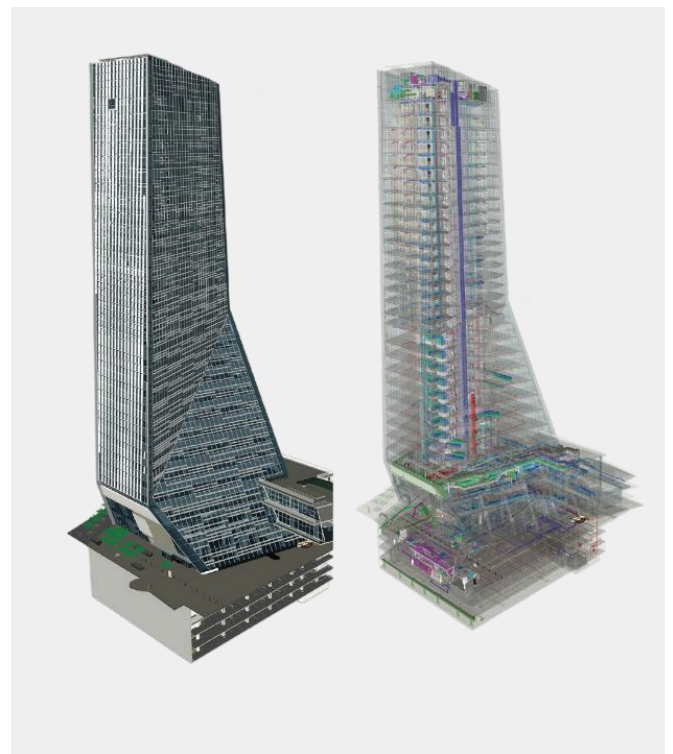
	ZONE	: Area 04
	GFA	: 53,137 Sq. m.
	HEIGHT	: 81 m/266 ft.
	TOTAL FLOOR	: 19
	TOTAL DURATION	: 90 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

5.05

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT

KAJD

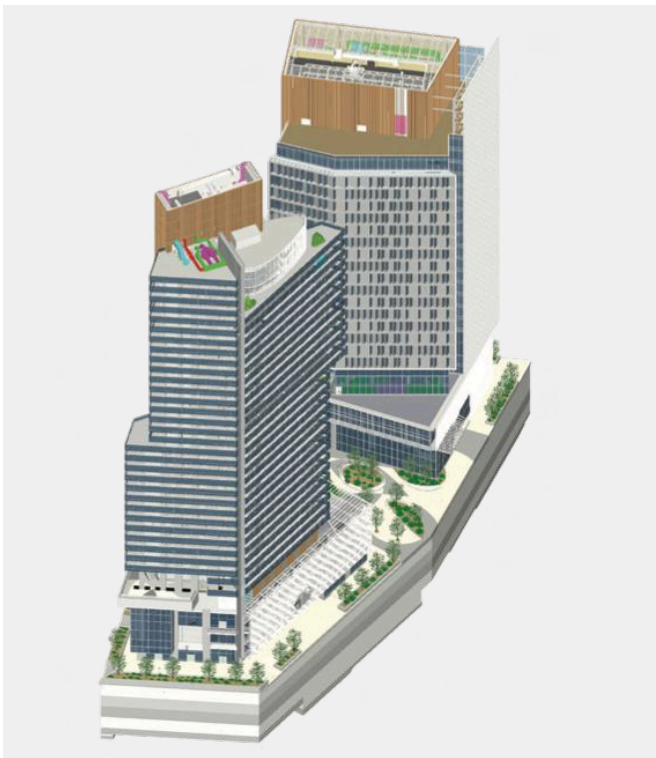
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Our collaboration with King Abdullah Financial District (KAJD) showcased TXG's ability to deliver substantial benefits through advanced technologies. By using Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. The strategic use of LiDAR technology in a two-phase approach yielded detailed 3D models, enhancing operational efficiency and data accuracy. This project not only improved maintenance and leasing activities but also set new benchmarks in asset management, propelling KAJD to the forefront of operational excellence.



QUICK OVERVIEW

ZONE	: Area 05
GFA	: 95,839 Sq. m.
HEIGHT	: 125 m/410 ft.
TOTAL FLOOR	: 23
TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

5.03

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

 CLIENT

KAFD

 CONTRACTOR

ICAD

 LOCATION

Riyadh, KSA

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QUICK OVERVIEW

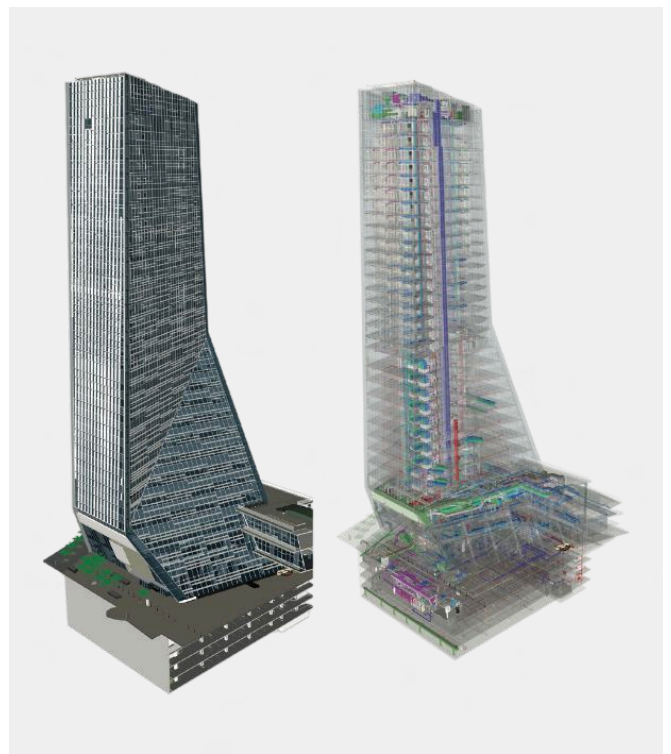
	ZONE	: Area 05
	GFA	: 65,688 Sq. m.
	HEIGHT	: 105 m/344 ft.
	TOTAL FLOOR	: 26
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL
5.04

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

 CLIENT	 CONTRACTOR	 LOCATION
KAFD	ICAD	Riyadh, KSA

The partnership with King Abdullah Financial District (KAFD) demonstrated TXG's significant impact on enterprise architecture. Employing advanced technologies such as Scan to BIM and Asset Information Modelling, we integrated their Common Data Environment (CDE) seamlessly with operational systems. Our strategic use of LiDAR technology in a two-phase approach resulted in detailed 3D models, enhancing operational efficiency and data accuracy. This transformation set new standards in asset management and established KAFD as a leader in operational excellence.



QUICK OVERVIEW

 ZONE	:	Area 05
 GFA	:	86,975 Sq. m.
 TOTAL DURATION	:	60 Days

 SERVICES

- LiDAR scanning, LOD500 Modelling.

 INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

5.01

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Our collaboration with King Abdullah Financial District (KAFD) highlighted TXG's achievements in transforming enterprise architecture. By using Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Utilizing LiDAR technology in a strategic two-phase approach, we developed comprehensive 3D models. This effort significantly enhanced operational efficiency and data accuracy, setting new standards in asset management and establishing KAFD as a leader in operational excellence.

QUICK OVERVIEW

	ZONE	: Area 05
	GFA	: 53,227 Sq. m.
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecdomus Integration
- CAFM Support with COBie Integration



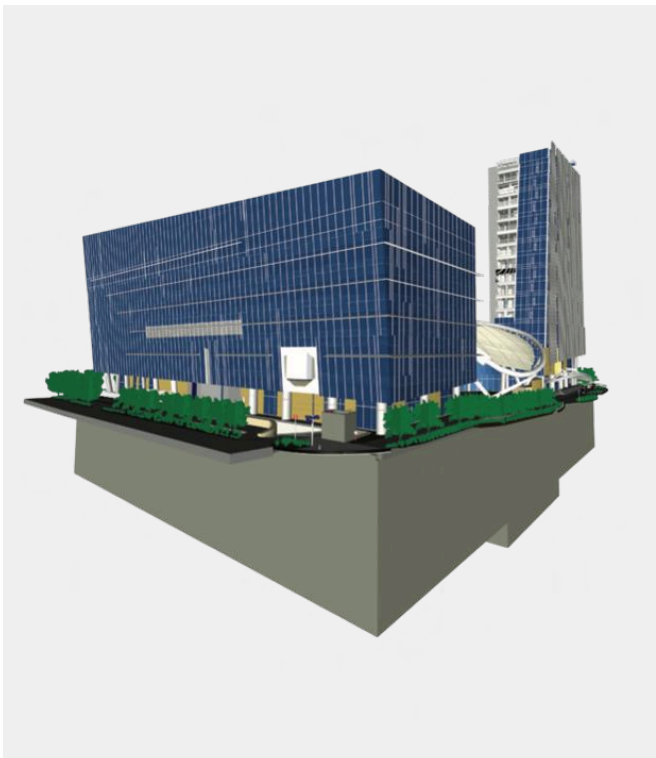
PARCEL
2.08

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

Computer Aided
Facility Management (CAFM) & Digital Twin

 CLIENT	 CONTRACTOR	 LOCATION
KAJD	ICAD	Riyadh, KSA

Working with King Abdullah Financial District (KAJD), TXG demonstrated its ability to revolutionize enterprise architecture. We used Scan to BIM and Asset Information Modelling to integrate their Common Data Environment (CDE) with operational systems. By deploying LiDAR technology in a two-phase strategy, we created detailed 3D models essential for effective operations and facilities management. This transformation significantly improved operational efficiency and data accuracy, enhancing maintenance and leasing activities. Our collaboration set new benchmarks in asset management, showcasing KAJD as a model of operational excellence.



QUICK OVERVIEW

 ZONE	: Area 02
 GFA	: 61,546 Sq. m.
 TOTAL DURATION	: 60 Days

 SERVICES

- LiDAR scanning, LOD500 Modelling.

 INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

5.02

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

TXG's partnership with King Abdullah Financial District (KAFD) underscored our innovative approach to enterprise architecture. Leveraging advanced Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Through a two-phase strategy using LiDAR technology, we created detailed 3D models that provided vital data for operations and facilities management. This innovation significantly improved operational efficiency and data accuracy, setting new benchmarks in asset management and positioning KAFD at the forefront of operational excellence.

QUICK OVERVIEW

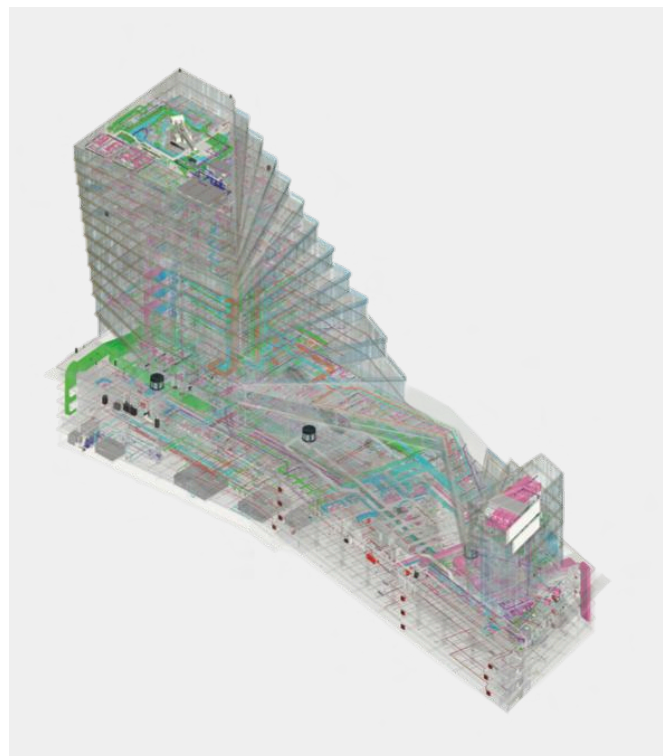
	ZONE	: Area 05
	GFA	: 53,227 Sq. m.
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

4.06

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

Our collaboration with the King Abdullah Financial District (KAFD) highlighted TXG's expertise in enterprise architecture. We employed advanced technologies like Scan to BIM and Asset Information Modelling, seamlessly integrating their Common Data Environment (CDE) with operational systems. Through a strategic two-phase approach using LiDAR technology, we developed detailed 3D Building and Asset Information Models. These initiatives provided essential data for operations and facilities management, ensuring a centralized, reliable data source. The transformation significantly enhanced operational efficiency and data accuracy, setting new standards for asset management and positioning KAFD at the forefront of operational excellence.



QUICK OVERVIEW

ZONE	: Area 04
GFA	: 63,798 Sq. m.
TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

3.10

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

At the core of our partnership with King Abdullah Financial District (KAFD) was a mission to transform enterprise architecture. Utilizing Scan to BIM and Asset Information Modelling, we integrated their Common Data Environment (CDE) with operational systems seamlessly. Our meticulous two-phase approach employed LiDAR technology to develop intricate 3D models, enhancing operational efficiency and data accuracy. This project not only addressed KAFD's critical needs but also set new industry standards in asset management, positioning them as leaders in operational excellence.

QUICK OVERVIEW

	ZONE	: Area 03
	GFA	: 57,504 Sq. m.
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration

PARCEL

5.06

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

Computer Aided
Facility Management (CAFM) & Digital Twin



CLIENT

KAJD



CONTRACTOR

ICAD



LOCATION

Riyadh, KSA

TXG's collaboration with King Abdullah Financial District (KAJD) underscored our capabilities in enterprise architecture innovation. By utilizing Scan to BIM and Asset Information Modelling, we seamlessly integrated their Common Data Environment (CDE) with operational systems. Our strategic two-phase approach with LiDAR technology produced detailed 3D models, significantly enhancing operational efficiency and data accuracy. This project established new standards in asset management and positioned KAJD as a pioneer in operational excellence.



QUICK OVERVIEW



ZONE

: Area 05



GFA

: 63,019 Sq. m.



TOTAL DURATION

: 60 Days



SERVICES

- LiDAR scanning, LOD500 Modelling.



INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration



PARCEL

**6.27, 6.20, 6.23,
6.40, 6.26**

KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Computer Aided
Facility Management (CAFM) & Digital Twin



CLIENT

KAFD



CONTRACTOR

ICAD



LOCATION

Riyadh, KSA

King Abdullah Financial District (KAFD) faced a pressing need for accurate As-Built documentation and asset information. TXG addressed this by deploying a two-phase strategy using LiDAR technology, resulting in detailed 3D Building and Asset Information Models. These models were integrated into their Common Data Environment (CDE), providing a centralized, reliable data source. The outcome was a significant enhancement in operational efficiency and data accuracy, setting new standards in asset management and positioning KAFD as a leader in operational excellence.

QUICK OVERVIEW



ZONE

: Area 03

- Parcel 6.40 - Data Centre
- Parcel 6.27 - District Cooling
- Parcel 6.23 - District Cooling
- Parcel 6.20 - Utilities - Water Supply
- Parcel 6.26 - Utilities - Water Supply



INTEGRATION

- Integration of Common Data Environment
- Maximo Integration
- Digital Twin - Ecodomus Integration
- CAFM Support with COBie Integration

10

BIM SERVICES

TXG
TECHNICAL XPERTS GROUP

DIGITAL
DELIVERY
PARTNER

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SIX SENSES HOTEL- WADI SAFAR

BIM Modeling and Coordination



CLIENT : Diriyah Company



CONTRACTOR : BUJV; Albawani and UCC JV



LOCATION : Diriyah, KSA

Six Senses Wadi Safar – Diriyah is an upcoming landmark resort located northwest of Riyadh within the exclusive Wadi Safar master development. The resort will span nearly 49 acres and comprise 80 luxurious rooms inspired by traditional Najdi architecture, seamlessly blended with contemporary design. Offering signature dining venues, cultural immersion programs, and artisan experiences, the resort is designed as a world-class destination for wellness, heritage, and hospitality. Positioned within Saudi Arabia's Vision 2030 framework, it reflects the Kingdom's commitment to sustainable luxury and cultural preservation.

QUICK OVERVIEW

- BIM Model Preparation (Documents, CDE, 4D and 5D, VR and other BIM deliverables).
- LOD 400 and LOD 500 Modeling.



JEDDAH OPERA HOUSE

Reality Capture & Lidar Scanning



 CLIENT : Jeddah Central Development Company

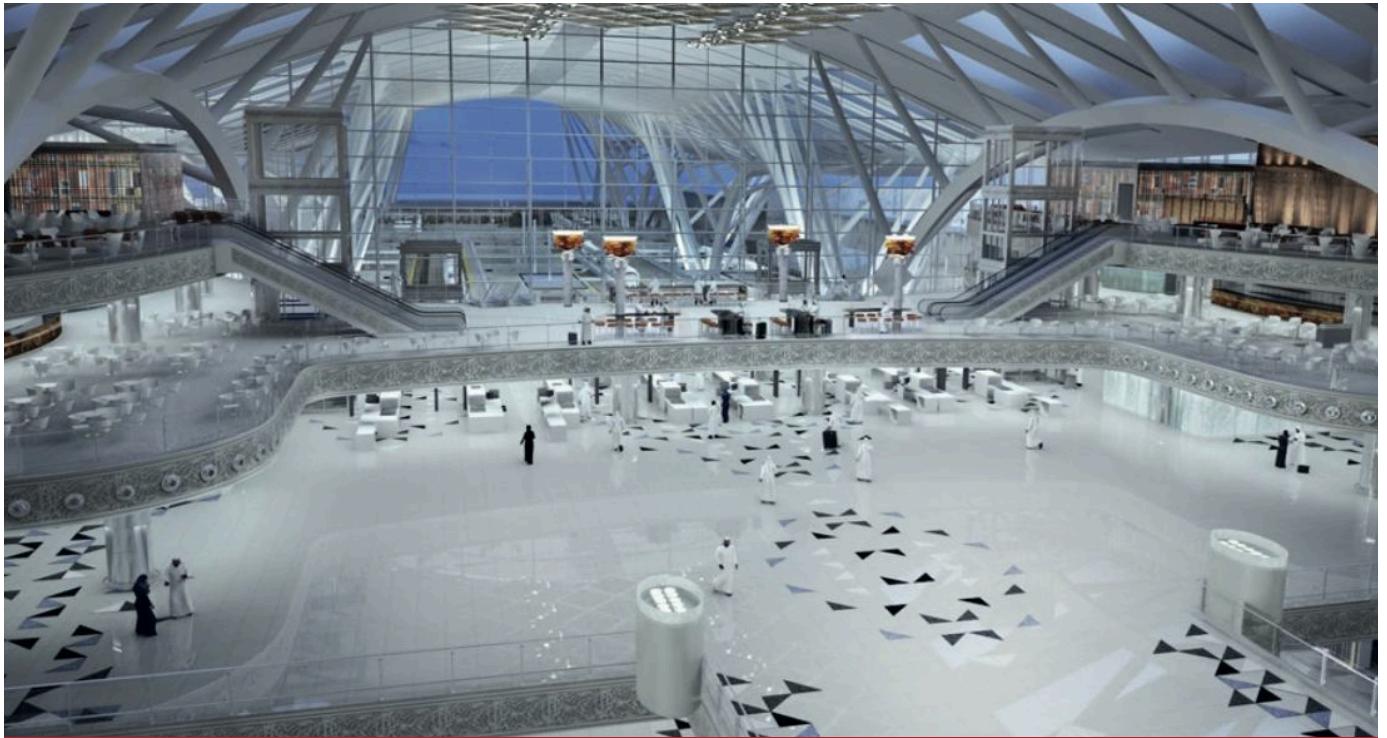
 CONTRACTOR : MBL

 LOCATION : Jeddah, KSA

The Jeddah Opera House, Saudi Arabia's first opera venue, reflects the city's ambition to establish a landmark performing arts center. Inspired by Jeddah's rich multicultural heritage and Red Sea trading legacy, designed to host world-class performances. It enhances Jeddah's cultural landscape, promoting artistic expression and global collaboration while supporting Saudi Vision 2030's cultural enrichment and tourism growth goals.

QUICK OVERVIEW

- Lidar Scanning Services.



NEOM AIRPORT- T1T2

Digital Delivery Partner



 CLIENT : NEOM

 CONTRACTOR : ICAD

 LOCATION : NEOM, KSA

NEOM is a bold and visionary project launched by Saudi Arabia to build a new, futuristic city from the ground up and position it as a hub for innovation, technology, and sustainability. TXG has been privileged to become the digital delivery partner for the ground-breaking NEOM Airport T1T2 project. Our focus was on the present and on laying a robust foundation to support future requirements for Computer-Aided Facility Management (CAFM) and Digital Twins, ensuring a resilient and adaptable digital backbone for NEOM. Additionally, adding Geographic Information System (GIS) to our project brought more detail and excitement. This step was key for planning and understanding the airport's location, creating a sophisticated and connected digital setup.

TXG's journey with NEOM Airport T1T2 is a testament to our relentless pursuit of excellence and commitment to shaping the future through innovative digital solutions.

QUICK OVERVIEW

- 7K square Meters Built-up area.
- Project Duration : 8 Months
- Manpower : 5 Engineers Onsite & 30 BIM Engineers Off site.
- Systems : Structure, Architecture, Interior, MEP, ELV and SAS.

SERVICES

- LOD 300 till LOD 500 Modelling.
- Asset Information Model with COBie.

INTEGRATION

- Integration of Common Data Environment



SPORTS BOULEVARD

BIM Modeling and Coordination



 CLIENT : Sports Boulevard Federation (SBF)

 CONTRACTOR : ICAD

 LOCATION : NEOM, KSA

The Sports Boulevard is a significant initiative in line with Saudi Vision 2030 aimed at encouraging a healthy lifestyle in Riyadh. It spans 135 km and links Halifax Valley to Al Salad Valley, featuring green pathways, cycling routes, horseback riding paths, and sports facilities, including a Sport Tower. Covering over 4.2M sq. m of green space and a 20 sq km desert park, the project also features event venues, museums, theaters, and public art, blending recreational, cultural, and investment opportunities to elevate Riyadh's global ranking.

QUICK OVERVIEW

- Pre-Construction Phase – Design BIM Model, As-Built Documents including 2D Drawings.
- Incorporation of deviation, modification, and element addition from the design into the As-Built BIM Model.
- Documentation of deviation – Design Drawing vs. As-Built Drawings.
- Extraction of 2D As-Built drawings showing the Asset Tagging.
- Extraction of COBie data sheet from Models.
- Creation of Asset Register.
- Spot verification to confirm the accuracy of Models and Information.



SHURA HC-1, THE TAIL MARSA VILLAGE

ELV System BIM Implementation



 CLIENT : Red Sea Global

 CONTRACTOR : ICAD

 LOCATION : Red Sea, KSA

The Shura HC-1 The Tail Marsa Village project is a prestigious development in the Red Sea region of Saudi Arabia. TXG was entrusted with the BIM modeling and coordination of the Extra Low Voltage (ELV) systems for this project, ensuring that all aspects met the highest industry standards. Our team developed the ELV systems up to LOD 400, providing precise shop drawings and detailed simulations to facilitate the seamless integration of these systems within the overall project framework.

QUICK OVERVIEW



SERVICES

- Development of LOD 400 / D05 BIM model implementation.
- Creation and integration of exact system families.
- Extraction and submission of 2D shop drawings.



AL NAHDA ENTERTAINMENT COMPLEX, EXIT 15

BIM professionals staffing services



-  CLIENT : Seven Entertainments
-  CONTRACTOR : SHAPOORJI PALLONJI
-  LOCATION : Riyadh, KSA

The Al Nahda Entertainment Complex, located at Exit 15 in Riyadh, Saudi Arabia, stands as a state-of-the-art facility designed to redefine leisure and recreation. This dynamic destination combines innovation and entertainment, offering a wide range of experiences for families and individuals. Featuring cutting-edge design and modern amenities, the complex emphasizes sustainability and a seamless blend of technology and architecture. Its strategic location makes it a hub for social gatherings, cultural events, and world-class entertainment, setting a benchmark for excellence in the entertainment industry.

QUICK OVERVIEW

SERVICES

- BIM professionals staffing services.



MELBOURNE AIRPORT

BIM Modeling and Coordination



CLIENT : Stowe



CONTRACTOR : Stowe



LOCATION : Melbourne, Australia

The Melbourne Airport Northern Infill project aims to improve passenger flow and enhance baggage screening using advanced CT scanning technology. The design focuses on flexibility for future expansion while minimizing disruptions to ongoing operations. Key features include increased capacity at the international gate lounge located at Pier C, an expanded outbound baggage hall, and improved duty-free retail spaces. TXG played a crucial role in the Melbourne Airport expansion, leveraging our BIM expertise to enhance operational efficiency and improve the overall passenger experience in one of Australia's busiest airports.

QUICK OVERVIEW



SERVICES

- Development of Lighting layout and Small power layout.
- Creating containment layout and coordination with MEP, Architectural and Structural services.
- Creating security and communication layout.
- Extraction of Trimble files.
- Exporting Revizto file for coordination.



BANKSIA CSL

BIM Modeling and Coordination



CLIENT : Stowe



CONTRACTOR : Stowe



LOCATION : Melbourne, Australia

Australia's modern biotech facility, Project Banksia, is located in Tullamarine. This facility will support both pandemic responses and seasonal immunization campaigns by serving as the exclusive source of cell-based influenza vaccines in the Southern Hemisphere. With its sophisticated PC2 and PC3 labs, extensive administrative offices, and cafeteria, the facility is well-positioned to grow its market share in both the home and foreign markets. At the CSL Project, TXG's BIM solutions were instrumental in meeting the rigorous design and operational standards required for such a high-tech environment.

QUICK OVERVIEW



SERVICES

- Development of Lighting layout and Small power layout.
- Creating containment layout and coordination with MEP, Architectural and Structural services.
- Creating security and communication layout.
- Extraction of Trimble files.
- Exporting Revizto file for coordination.



THOMAS EMBLING HOSPITAL

BIM Modeling and Coordination



CLIENT : Stowe



CONTRACTOR : Stowe



LOCATION : Melbourne, Australia

Thomas Embling Hospital is a secure forensic mental health hospital, providing care and treatment for people living with a serious mental illness in, or at risk of entering, the justice system. The expansion of Thomas Embling Hospital is poised to revolutionize Victoria's forensic mental health system. The Stage 1 expansion project will deliver an additional 82 secure mental health beds – including a new dedicated 34-bed Women's Precinct, a 48-bed medium security Men's Facility and clinical administration facilities. TXG's contributions to the Thomas Embling Hospital Project ensured that the facility's infrastructure met the highest standards of safety, comfort, and operational efficiency, tailored specifically for the healthcare sector.

QUICK OVERVIEW



SERVICES

- Development of Lighting layout and Small power layout.
- Creating containment layout and coordination with MEP, Architectural and Structural services.
- Creating security and communication layout.
- Extraction of Trimble files.
- Exporting Revizto file for coordination.



CHADSTONE SHOPPING CENTER

BIM Modeling and Coordination



 CLIENT : Stowe

 CONTRACTOR : Stowe

 LOCATION : Melbourne, Australia

Chadstone – The Fashion Capital, Australia's largest shopping center, is undergoing a significant expansion to transform it into a premier lifestyle destination. Located in Malvern East, Victoria, the redevelopment focuses on refreshing and repurposing existing spaces within the center's footprint. The project will introduce a new entertainment and dining precinct, upgrade the Market Pavilion fresh food precinct, construct a nine-story commercial office building, and expand parking facilities. The expansion aims to enhance Chadstone's status as a luxury shopping destination, create thousands of jobs, and elevate the visitor experience with new dining, retail, and wellness services. In the Chadstone Shopping Center Project, TXG's expertise helped create an energy-efficient and vibrant retail environment, enhancing the shopping experience in one of Australia's most prestigious retail center.

QUICK OVERVIEW



SERVICES

- Development of Lighting layout and Small power layout.
- Creating containment layout and coordination with MEP, Architectural and Structural services.
- Creating security and communication layout.
- Extraction of Trimble files.
- Exporting Revizto file for coordination.



MICROSOFT DATA CENTER MEL07

BIM Modeling and Coordination



 CLIENT : Stowe

 CONTRACTOR : Stowe

 LOCATION : Melbourne, Australia

The MEL07 data center in Melbourne is a pivotal component of Microsoft's ambitious infrastructure investment in Australia. This facility is integral to enhancing the nation's hyper-scale cloud computing infrastructure, advancing cybersecurity measures, and supporting Microsoft's commitment to sustainability goals, including becoming carbon-negative, water-positive, and zero waste by 2030. The MEL07 center has robust electrical infrastructure to ensure continuous, reliable operations, safeguarding critical data and supporting Australia's growing digital economy. The Microsoft Data Center MEL07 Project benefited from TXG's precision-driven BIM services, which ensured the facility's reliability, security, and ability to meet the demands of modern data processing and storage.

QUICK OVERVIEW



SERVICES

- Development of Lighting layout and Small power layout.
- Creating containment layout and coordination with MEP, Architectural and Structural services.
- Creating security and communication layout.
- Extraction of Trimble files.
- Exporting Revizto file for coordination.



GEELONG CONVENTION AND EVENT CENTER

BIM Modeling and Coordination



 CLIENT : Stowe

 CONTRACTOR : Stowe

 LOCATION : Melbourne, Australia

The Geelong Convention and Exhibition Centre is set to become a premier destination, featuring a 1,000-seat convention center and a 3,700 square meter exhibition space. This development also includes a 200-room hotel with two large exhibition spaces, conference facilities, and flexible event areas. Additionally, the development will host retail spaces, commercial areas, public plaza, and a 200-room Crowne Plaza hotel. TXG's role in the Geelong Convention and Event Centre Project focused on delivering versatile BIM solutions, supporting the creation of a dynamic space that is both functional and aesthetically appealing for a variety of events.

QUICK OVERVIEW

SERVICES

- Development of Lighting layout and Small power layout.
- Creating containment layout and coordination with MEP, Architectural and Structural services.
- Creating security and communication layout.
- Extraction of Trimble files.
- Exporting Revizto file for coordination.



AIRTRUNK SHELL HJKL

BIM Modeling and Coordination



 CLIENT : Stowe

 CONTRACTOR : Stowe

 LOCATION : Melbourne, Australia

The AirTrunk data center, located in Melbourne, Australia, is a top hyper-scale data center built to meet the enormous needs of digital processing and storage. It boasts excellent operational standards, including cutting-edge security, reliable data management technologies, and sustainability practices. It is a key hub for significant cloud providers and businesses, promoting digital transformation with an emphasis on environmental responsibility and cutting-edge technology. This project highlight TXG's capacity to manage complex data center installations. Our collaboration with Stowe ensured that all project components were delivered with precision, meeting the high-security and reliability requirements of the facility.

QUICK OVERVIEW



SERVICES

- Development of Lighting layout and Small power layout.
- Creating containment layout and coordination with MEP, Architectural and Structural services.
- Creating security and communication layout.
- Extraction of Trimble files.
- Exporting Revizto file for coordination.



AL MOOSA REHABILITATION & LONG-TERM CARE HOSPITAL

BIM Modelling & Computer Aided Facility Management (CAFM)

 CLIENT : Al Moosa

 CONTRACTOR : First fix and Baumat

 LOCATION : Al Ahsa, KSA



In the eastern province of Saudi Arabia, a new hospital has been innovatively designed as a micro-village, mirroring the Al-Ahsa oasis's natural beauty, to cater to the specialized needs of rehabilitation and long-term care. The master plan and architecture promote healing by integrating nature, with a sustainable, evidence-based design approach across its two buildings: a three-story rehabilitation centre and a 15-story inpatient tower.

The use of natural materials like wood, stone, and glass, alongside modern healthcare design principles, aims to create a serene, therapeutic environment. This approach extends to patient and visitor experiences, offering hotel-like amenities such as a grand lobby, retail outlets, a pharmacy, dining options, a hanging garden, water features, and spacious rooms that facilitate family involvement in the healing process.

QUICK OVERVIEW



SERVICES

- LOD 300 till LOD 500 BIM Modelling of Architecture, Structure, Interior and MEP.
- LOD detailing for Asset Management.
- Production of Fully Coordinated Clash Zero Consolidated 3D Model.
- BIM Site Coordination.
- Extraction of 2D Drawings from 3D Model for the production of CSD.



JEDDAH TOWER

BIM Modelling & 4D Construction Simulation



CLIENT : SBG



CONTRACTOR : ICAD



LOCATION : Jeddah, KSA

The Jeddah Tower, eclipsing the Burj Khalifa by 180 meters, aims to be the world's tallest skyscraper at over 1,008.2 meters. As the centerpiece of Jeddah Economic City, it represents a leap in engineering, reshaping the urban landscape on a 5.2 square kilometers waterfront, 20 kilometers north of Jeddah.

QUICK OVERVIEW



GFA

: 243,866 Sq. m.



SERVICES

- 4D Construction Simulation.
- 3D Space Coordination.
- 3D Modelling and Coordination.
- Preparation of Shop Drawings.



HEGRA BOUTIQUE HOTEL

BIM Modelling & 4D Construction Simulation

 CLIENT : Gioforma

 CONTRACTOR : MBL

 LOCATION : AL-Ula, KSA



The Hegra Boutique Hotel Al Ula is a modern luxury hotel that seamlessly integrates technology to assure visitor comfort and sustainability. Digital concierge services and improved security further enhance the guest experience. We at the Hegra Boutique Hotel are proud to provide state-of-the-art 4D construction simulation services together with Building Information Modeling (BIM) services.

QUICK OVERVIEW

SERVICES

- BIM conversion.
- Archi-CAD to Revit Conversion of all
- Architecture Drawings.



KING ABDULLAH FINANCE CITY

BIM Modelling



CLIENT : KAFD



CONTRACTOR : ICAD



LOCATION : King Abdullah Financial District Riyadh, KSA

KAFD was inspired by King Abdullah's vision to create a new financial district that will take the economy of Riyadh to new heights. Following its acquisition by the Public Investment Fund (PIF) of Saudi Arabia, KAFD has evolved to become a prime business and lifestyle destination capturing the core values of Vision 2030.

King Abdullah Financial City acknowledged our proficiency in completing reality capture placing LiDAR scanning for as-built data validation.

QUICK OVERVIEW

- 47 nos. Iconic individual Building including prime 385mt/80floors skyscraper PIF.
- GFA including Parking: 2723106 Sq. m.



SERVICES

- Data Collection & Reporting.
- Perform LiDAR Scanning, Site survey & Validation.
- Develop LOD 300 BIM Models.
- Data drop based on the KAFD Asset Information Requirements (LOD 500).
- Issue BIM deliverables (Models, CAFM, LST, 2D extracted drawing for Asset tagging & Location).



INTEGRATION

- COBie datasets integrate with the operational CDE (Common Data Environment), IBM Maximo CAFM and property management solutions.
- CAFM data sheet integrate asset and location data with operational CDE and IBM Maximo CAFM solutions.
- YouBIM & EcoDomus.
- GIS & VR data.



TADAWUL TOWER

BIM Modelling



 CLIENT : Samsung CCE JV

 CONTRACTOR : MBL

 LOCATION : King Abdullah Financial District Riyadh, KSA

The Tadawul Tower in Riyadh, Saudi Arabia, is a symbol of both financial prominence and modern architectural quality, received our expertise in comprehensive BIM modeling for architecture, structure, interiors, and MEP systems. Our services included clash detection, multi-trade coordination, BIM site coordination, and 2D drawing extraction for Construction Sequence Diagrams (CSD), ensuring seamless construction and precision in Riyadh's financial hub.

QUICK OVERVIEW

 GFA : 140,000 Sq. m.

SERVICES

- BIM Modelling of Architecture, structure, Interior And MEP.
- Carrying Out Clash Detection and Multi trade Coordination.
- Production of Fully Coordinated Clash zero Consolidated 3D Model.
- BIM Site Coordination.
- Extraction Of 2D Drawings From 3D Model
- for the Production of CSD.



KING ABDUL AZIZ INTERNATIONAL AIRPORT

CAD and Engineering Support



CLIENT : GACA



CONTRACTOR : ICAD



LOCATION : Jeddah, KSA

The Kingdom of Saudi Arabia's General Authority of Civil Aviation launched a venture to expand and modernize Jeddah's King Abdul-Aziz International Airport (KAIA), one of the Kingdom's most important airports, into a regional hub and a multimodal international turntable. The planned expansion of KAIA in Jeddah is designed to increase the annual handling capacity in the new passenger terminal to 30 million passengers, with an ultimate phase capacity of 80 million. Under the terms of the new master plan, the first phase would accommodate 30 million passengers annually, the second phase 50 million passengers, all the way to 100 million passengers in its third phase by 2035.

QUICK OVERVIEW



GFA

: 105 sq. km.



SERVICES

- CAD Support.
- Shop Drawing Support.
- As built Drawing Support.
- CAD Standardisation.



THE RIYADH METRO

BIM Modelling



 CLIENT : High Commission for the Development of Ar-Riyadh

 CONTRACTOR : ICAD

 LOCATION : Riyadh, KSA

Riyadh Metro is a rapid transit system under construction in Riyadh, Saudi Arabia. It is a part of the Riyadh Public Transport Project (RPTP), which will be the largest public transport project.

The RPTP comprises the construction of a metro network, a bus system and other transport services in the capital city. The metro project aims to transform Riyadh's public transportation infrastructure and provide a more efficient and sustainable means of commuting for residents and visitors alike.

Arriyadh Development Authority (ADA) is the owner and operator of Riyadh Metro.

QUICK OVERVIEW

SERVICES

- CAD Support.
- Shop Drawing Support.
- As built Drawing Support.
- CAD Standardisation.



FOUR SEASONS JEDDAH CORNICHE

BIM Modeling and Coordination



 CLIENT : Midad Real Estate

 CONTRACTOR : HATCO

 LOCATION : Jeddah, KSA

The Four Seasons Hotel and Private Residences Jeddah at the Corniche is a joint venture between Four Seasons Hotels and Resorts and Midad Real Estate. Along with 64 individual residences, including two penthouses, this opulent beachside getaway will have 269 guest rooms and 21 serviced flats. The project integrates design, hospitality, and real estate innovation, elevating Jeddah's standing as a top worldwide destination at the New Jeddah Corniche with stunning views of the Red Sea.

QUICK OVERVIEW

SERVICES

- BIM Modelling of Architecture, structure, Interior and MEP during Design stage.
- Carrying Out Clash Detection and Multi trade Coordination.
- Production of Fully Coordinated Clash Zero Consolidated 3D Model.
- BIM Site Coordination.
- Extraction Of 2D Drawings From 3D Model to Produce CSD.



KING SALMAN PARK

Tender, Estimation and Engineering Support

 CLIENT : MBL



 CONTRACTOR : MBL

 LOCATION : Riyadh, KSA

King Salman Park, part of Riyadh's Four Mega projects, is set to become the world's largest urban park, spanning over 16 km². The park will feature extensive green spaces, cultural landmarks like the Royal Arts Complex and National Theater, and numerous recreational facilities, including a golf course, sports complex, and amusement parks. Strategically located with connections to major roads and public transport, the park aims to enhance the quality of life in Riyadh, aligning with Saudi Vision 2030 by promoting a vibrant, healthy society and elevating the city's global standing.

QUICK OVERVIEW

SERVICES

- Tender Support.
- BOQ Take off from Revit Model.
- Estimation Support.



RUA AL MADINAH

BIM Modeling and Engineering Support



CLIENT : MBL



CONTRACTOR : MBL



LOCATION : Madinah, KSA



Rua Al Madinah is a part of Saudi Vision 2030, an ambitious urban project located near the Prophet's Mosque. This project aims to enhance the spiritual and cultural experience for visitors while emphasizing environmental sustainability. It includes luxury hospitality, beautiful green spaces, and cultural centers, all of which draw inspiration from the city's rich heritage. Rua Al Madinah also incorporates modern green technologies such as energy-efficient shading, solar panels, and underground waste systems to create an eco-friendly environment.

QUICK OVERVIEW



SERVICES

- Tender Support.
- Modelling the Tunnel in Civil 3D.
- Estimation Support.

ASSET MANAGEMENT



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KING ABDULLAH FINANCIAL DISTRICT (KAFD)

Asset Tagging and Maximo Integration

 CLIENT : KAFD



 CONTRACTOR : TXG

 LOCATION : Riyadh, KSA

TXG delivered comprehensive Asset Tagging and Asset Register Management services across KAFD Operational Parcels. The project involved reviewing existing asset registers, producing QR-based asset tags, conducting on-site tagging, and validating asset information to establish a reliable digital asset database for facility management operations. The engagement ensured every asset and location was accurately identified, tagged, documented, and verified to support efficient operations, maintenance, and lifecycle management.

QUICK OVERVIEW

SERVICES

- Review and validation of existing Asset & Location Registers.
- Design, printing, and deployment of QR-based Asset and Location Tags.
- On-site installation and verification of asset tags across operational parcels.
- Creation and updating of digital Asset Registers.
- Verification of newly added, existing, and decommissioned assets.
- Site verification reports with photo documentation and EAM platform updates.
- Condition assessment of asset tags including wear, damage, and replacement requirements.

DIGITAL TRANSFORMATION CONSULTANCY SERVICES



TXG
TECHNICAL XPERTS GROUP

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GAP ANALYSIS

DIGITAL TRANSFORMATION TO MBL

At TXG, our consultancy team conducted a comprehensive Gap Analysis for Digital Transformation on an existing project where the client was encountering significant issues on BIM Development approach towards their project in construction phase. Our involvement is to ensure that every aspect of the project's process and systems was meticulously examined and provide comprehensive report on the existing process and the recommendation to streamline the BIM process. The findings of this analysis are crucial for driving forward digital transformation of their current and future projects.



Scope of Work: Gap Analysis

Conduct a comprehensive Gap Analysis for Giga projects with MBL, examining current processes and systems to identify gaps and recommend actionable steps. Define BIM goals, ensure BIM model compliance, and provide a strategic roadmap to drive digital transformation and enhance project performance.



Executive Summary

A concise overview presenting the key findings and recommendations, setting the stage for the detailed analysis that follows.



Methodology

An in-depth explanation of the approach and techniques employed during the gap analysis, demonstrating the robustness and reliability of our methods.



Current State Assessment

A detailed examination of the existing processes, systems, and requirements, highlighting the current operational landscape.



Desired State Definition

Clear definition of BIM goals and objectives, establishing the desired future state for the client's digital transformation journey.



Gap Analysis Findings

A comprehensive analysis of the identified gaps, meticulously categorized by priority and severity, provides a clear picture of areas needing improvement.



BIM Model Compliance Instructions

Specific instructions to be implemented on BIM models and workflows, ensuring alignment with industry standards and best practices.



Road Map

A suggested plan outlining the strategic steps to be taken, ensuring a structured approach to achieving the desired digital transformation.

This report not only highlights the meticulous work executed by TXG but also serves as a testament to our commitment to excellence and innovation in addressing our clients' challenges through digital transformation.



Conclusion

A comprehensive analysis of the identified gaps, meticulously categorized by priority and severity, provides a clear picture of areas needing improvement.



DIGITAL
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LIDAR SCANNING AND REALITY CAPTURE



LiDAR Scanning and Reality Capture in Construction

LiDAR scanning and reality capture technologies enable highly accurate digital representations of existing conditions, supporting better planning, coordination, and project delivery across the construction lifecycle.



METHODOLOGY



Planning : Define project objectives, required deliverables, and scanning scope. Identify critical areas, accuracy requirements, and data outputs before deployment.



Equipment Selection : Choose appropriate LiDAR equipment based on project needs, such as handheld, mobile, or terrestrial LiDAR scanners, depending on site conditions.



Data Acquisition : Position the LiDAR scanner at multiple points around the construction site. The scanner emits laser pulses, which bounce off surfaces and return to the sensor, recording the time it takes for each pulse to return.



Data Processing : Transfer the raw data to a computer, where specialized software processes the point cloud data. This involves filtering noise, aligning scans from different locations, and generating a detailed 3D model.



Integration : Combine the 3D model with other design tools and software (such as BIM) to enhance accuracy and enable better project visualization and planning.



Analysis and Application : Use the detailed 3D model for various purposes such as progress tracking, quality control, clash detection, and creating as-built documentation.

BENEFITS



Accuracy & Precision : LiDAR scanning provides highly accurate and detailed 3D representations of construction sites, reducing errors and ensuring precise measurements.



Equipment Selection : Choose appropriate LiDAR equipment based on project needs, such as handheld, mobile, or terrestrial LiDAR scanners, depending on site conditions.



Efficiency : Rapid data collection speeds up the surveying process, saving time compared to traditional methods.



Cost Savings : By reducing the need for rework and minimizing errors, LiDAR scanning can lead to significant cost savings.



Safety : Non-intrusive scanning methods enhance safety by reducing the need for physical presence in hazardous areas.



Enhanced Visualization : Detailed 3D models improve communication among stakeholders, facilitating better decision-making and project planning.



Clash Detection : Identifying potential clashes or conflicts in the design phase helps avoid costly on-site issues.



Progress Tracking : Regular scans can monitor construction progress, ensuring adherence to timelines and identifying deviations early.

WHAT WE HAVE USED

Trimble X9 and
Leica RTC 360



01

TRIMBLE X9

3D LASER SCANNING SYSTEM

High-performance terrestrial laser scanner designed for fast, accurate, and reliable reality capture across construction, infrastructure, and facility management projects.



SIMPLE

Reliable field workflows with intuitive operation, enabling teams to scan, process, and validate data with minimal training.



SMART

Integrated calibration and self-leveling technology ensure consistent accuracy and confidence in every scan.



PROFESSIONAL

Built for demanding environments with IP55 protection, high-performance scanning capabilities, and seamless integration into digital construction workflows.



GENERAL SPECIFICATIONS	
Feature	Details
Weight and Dimensions	
Instrument (including battery)	6.045 kg (13.33 lbs)
Internal Battery	0.35 kg
Dimensions	178 mm (W) x 353 mm (H) x 170 mm (D)
Power Supply	
Battery Type	Rechargeable Li-ion battery 11.1V, 6.5Ah (Standard for Trimble Optical Instruments)
Typical Duration	3.5 hours per battery (3 batteries included)
Environmental	
Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Ingress Protection Rating	IP55 (dust protected and water jet)
Others	
Laser Pointer	Class 2 laser with a wavelength of 620–650 nm
Remote Control	Trimble T10 tablet or comparable Windows® 10 tablet or laptop via WLAN or USB cable
Push Button	One-button scan operation
Communications / Data Transfer	WLAN 802.11 a/b/g/n/ac or USB Cable
Data Storage	Standard SD Card (32 GB SDHC included)
Accessories	• Backpack for easy transport and airline carry-on • Lightweight carbon fiber tripod with bell connector • Quick release adapter for X7 and carbon fiber tripod
Warranty	2 year standard

AUTOMATIC CALIBRATION

Feature	Details
Integrated Calibration System	Full auto-calibration of range and angular systems when required with no user interaction or targets
Angular Calibration	Applies a correction to the collimation error, i.e., the deviation of the horizontal, vertical or sight axis
Range Calibration	Applies a distance correction in the albedo and the distance measurement
Smart Calibration	Monitors environmental temperature, ambient light, vibration, instrument temperature and vertical speed for optimum performance

TRIMBLE REGISTRATION ASSIST

Feature	Details
Inertial Navigation System	IMU tracks instrument position, orientation and movement
Auto-Registration	Automatic scan orientation and alignment with last or pre-selected scan
Manual Registration	Manual alignment or split screen cloud to cloud
Visual Checks	Dynamic 2D and 3D viewing for QA
Refinement	Automatic registration refinement
Registration Report	Report with project and station average error values and registration results

SYSTEM OVERVIEW	
Category	Details
Trimble X9	High-speed 3D laser scanner with combined servo drive/oscanning mirror, integrated HDR imaging, automatic calibration, survey-grade self-leveling and laser pointer.
Trimble FieldLink	Easy to use software for automatic infield registration, georeferencing, 3D visualization, annotations, cloud-to-model analysis, floor analysis, processing and exporting.

SCANNING PERFORMANCE	
Feature	Details
General	
Scanning EDM Laser Class	Laser class 1, Eye safe in accordance with IEC EN60825-1
Laser Wavelength	1530-1570nm, invisible
Field of View	360° x 282°
Beam divergence / Beam diameter	0.8 mrad/ 7.95 mm @ 10m
Scan Speed	Up to 1000 kHz
Range Measurement	
Range Principle	High speed, digital time-of-flight distance measurement
Range Noise	< 1.5 mm @ 30 m
Range	0.6 m – 150 m (High Speed max range 120 m)
High Sensitivity Mode	Dark (asphalt) and reflective (stainless steel) surfaces
Scanning Accuracy	
Validation	Guaranteed over lifetime with auto-calibration
Range Accuracy ^{1,2}	2 mm
Angular Accuracy ^{1,2}	< 16"
3D Point Accuracy ^{1,2}	2.3 mm @ 10 m, 3.0 mm @ 20 m, 4.8 mm @ 40 m

SCANNING PARAMETERS

SCAN MODE	DURATION ⁴ (MIN:SEC)	SPACING (MM) @ 10 M	SPACING (MM) @ 35 M	SPACING (MM) @ 50 M	NUMBER OF POINTS (MPTS)	MAX FILE SIZE (MB)
Indoor	0:50	-	-	-	6.8	32
Standard	2:03	8	26	38	27.2	95
	3:33	5	18	25	61.2	204
	5:36	4	13	19	108.8	340
High Speed	1:27	8	26	38	27.2	175
	3:15	4	13	19	108.8	610
	6:08	3	9	13	244.8	1.250

IMAGING PERFORMANCE

Feature	Details
Sensors	3 coaxial, calibrated 10MP cameras
Resolution	3840 x 2736 pixels for each image
Raw Image Capture	Fast ~15 images · 185 MP · 1 minute · with HDR 3 minutes Medium ~30 images · 315 MP · 2 minutes · with HDR 6 minutes
Settings	Auto Exposure and HDR Auto White Balance correction and indoor/outdoor presets

AUTOMATIC LEVEL COMPENSATION

Feature	Details
Type	Automatic Self-leveling, Selectable on/off
Range	± 10° (Survey Grade), ± 45° (Coarse)
Up Down	± 10° (Survey Grade)
Survey Grade Accuracy	< 3" = 0.3 mm @ 20 m

TRIMBLE FIELDLINK SOFTWARE	
Category	Details
System Requirements	
Operating System	Microsoft® Windows® 10
Processor	Intel® 8th Generation Core™ i5 2.5 GHz processor or better
RAM	16GB or better
VGA Card	Intel HD Graphics 620 or better
Storage	512 GB Solid State Drive (SSD), 1 TB recommended
Features	
Scanner Operation	Remote control or cable
Trimble Registration Assist	Automatic and manual registration, refinement and reporting
Data Interaction	2D, 3D and Station View
In-field Documentation	Scan labels, annotations, pictures and measurements
Auto Sync	Automatic data sync from one-button operation
Georeferencing	Laser pointer for georeferencing and precision point measurement
Reports	Registration, Field Calibration and Diagnostics reports
Data Redundancy	Data stored on SD Card and tablet
Data Integration	Export formats to support Trimble and non-Trimble software File formats: TDX, TZF, E57, PTX, RCP, LAS, POD

02

LEICA RTC360

3D LASER SCANNING SYSTEM

The Leica RTC360 laser scanner delivers fast, agile and precise 3D reality capture with ease. Designed for professionals who demand speed, accuracy and reliability in both field and office environments.



FAST

High-speed 3D scanning with up to 2 million points per second and integrated HDR imaging. Complete colorized point cloud generation in under 2 minutes with automated registration workflows, maximizing productivity and reducing field time.



AGILE

Compact, lightweight, and portable design with a collapsible carbon-fiber tripod for effortless transportation. One-button operation and intuitive workflows make on-site scanning fast, efficient, and hassle-free.



PRECISE

Low-noise data acquisition delivers highly detailed scans with exceptional clarity. Integrated with Leica Cyclone FIELD 360 software, the RTC360 provides seamless registration and industry-leading accuracy that can be verified directly on-site.



LEICA RTC360 PRODUCT SPECIFICATIONS	
Category	Details
3D Laser Scanner	High-speed 3D laser scanner with integrated HDR spherical imaging system and Visual Inertial System (VIS) for real time registration
Data acquisition	< 2 min for combined full dome scan and spherical HDR image at 6mm @ 10m resolution
Real time registration	Automatic point cloud alignment based on real time tracking of scanner movement between setups based on Visual Inertial System (VIS) by video-enhanced inertial measurement unit
Double scan	Automatic removal of moving objects
Distance measurement	High-speed, high dynamic time of flight enhanced by Waveform Digitizing (WFD) technology
Laser Class	1 (in accordance with IEC 60825-1:2014), 1550nm (invisible)
Field of view	360° (horizontal) / 300° (vertical)
Range	Min. 0.5 · up to 130 m
Speed	Up to 2'000'000 pts / sec
Resolution	3 user selectable settings (3/6/12mm @ 10m) Angular accuracy 18"
Accuracy	Range accuracy 1.0 mm + 10 ppm 3D point accuracy: 1.9 mm @ 10 m 2.9 mm @ 20 m 5.3 mm @ 40 m
Range noise	0.4 mm @ 10m, 0.5 mm @ 20 m
Camera	36 MP 3-camera system captures 432 MPx raw data for calibrated 360° x 300° spherical image
Speed	1 minute for a spherical HDR image at any light condition

LEICA 360 3D LASER SCANNING SYSTEM

HDR	Automatic, 5 brackets
Visual Inertial System	Video enhanced inertial measuring system to track movement of the scanner position relative to the previous setup in real time
Tilt	IMU based, Accuracy: 3' for any tilt
Additional sensors	Altimeter, Compass, GNSS
On scanner	Touch-screen control with finger touch, full color WVGA graphic display 480 x 800 pixels
Mobile devices	Leica Cyclone FIELD 360 app for iPad or Android tablets including: · Remote control of scan functions · 2D & 3D data viewing · Tagging · Automatic alignment of scans
Wireless	Integrated wireless LAN (802.11 b/g/n)
Data storage	Leica MS250, 256GB exchangeable USB 3.0 flash drive
Housing	Aluminum frame and sidecovers
Dimensions	120mm x 240mm x 230mm / 4.7" x 9.4" x 9.1"
Weight	5.35 kg / 11.7 lbs, nominal (w/o batteries)
Mounting mechanism	Quick mounting on 5/8" stub on lightweight tripod / optional tribrach adapter / survey tribrach adapter available 2 x Leica GEB361 internal, rechargeable Li-ion batteries
Internal battery	Duration: Typically up to 4 hours Weight: 340 g per battery
External	Leica GEV282 AC adapter
Operating temperature	5° to +40° C
Storage temperature	-40° to +70° C
Dust/Humidity	Solid particle/liquid ingress protection IP54



KING ABDULLAH FINANCIAL DISTRICT (KAFD)

 CLIENT : KAFD

 LOCATION : Riyadh, Saudi Arabia

King Abdullah Financial District (KAFD) in Riyadh, Saudi Arabia, serves as a prime example of LiDAR scanning in action. The project utilized LiDAR technology to capture detailed 3D representations of the sprawling construction site.

Detailed Planning: The 3D models created from LiDAR scans allowed for precise planning and design adjustments, ensuring that the complex infrastructure of KAFD was accurately implemented.

Quality Control: Continuous scanning enabled real-time quality control, ensuring that construction was carried out according to the design specifications and identifying any deviations early.

Project Coordination: The integration of LiDAR data with Building Information Modeling (BIM) improved coordination among different teams, reducing misunderstandings and ensuring seamless collaboration.

The KAFD project demonstrated how LiDAR scanning could enhance construction efficiency, accuracy, and safety, setting a benchmark for future large-scale construction projects.

LiDAR (Light Detection and Ranging) scanning is a remote sensing method that uses laser light to measure distances. Here's a detailed breakdown of the process:

Preparation and Planning

Objective Setting: Determine the purpose of the Lidar scan, such as topographic mapping, vegetation analysis, or infrastructure inspection.

Site Selection: Choose the area to be scanned and obtain necessary permissions if required.

Equipment Selection: Select appropriate Lidar equipment based on the project's requirements (e.g., airborne Lidar, terrestrial Lidar, mobile Lidar).

Data Acquisition

Deployment of Equipment: Set up the Lidar system on the chosen platform, which could be an aircraft, drone, vehicle, or stationary tripod.

Laser Emission: The Lidar system emits rapid pulses of laser light towards the target area. The wavelength typically used ranges from near-infrared to ultraviolet.

Reflection: The laser pulses hit objects (ground & buildings) and reflect back to the Lidar sensor.

PROJECT OVERVIEW

Recording Return Time: The time taken for the laser pulse to return is recorded. This time is used to calculate the distance between the sensor and the object.

Point Cloud Generation: Each laser pulse generates a data point in a 3D space. Millions of such points create a “point cloud” representing the scanned area.

Data Processing

Initial Data Cleaning: Remove noise and outliers from the raw data to ensure accuracy.

Georeferencing: Align the point cloud data with geographic coordinates using GPS and IMU (Inertial Measurement Unit) data.

Point Classification: Classify points based on the type of surface they represent (e.g., ground, vegetation, buildings).

Digital Elevation Models (DEMs): Create DEMs by isolating ground points and generating a continuous surface representation of the terrain.

Feature Extraction: Identify and extract specific features such as buildings, roads, and vegetation.

Data Analysis and Interpretation

3D Modeling: Develop 3D models of the scanned area for visualization and further analysis.

Volume Calculations: Measure volumes of features such as stockpiles, excavations, or bodies of water.

Change Detection: Compare Lidar scans taken at different times to detect changes in the environment or structures.

Environmental Analysis: Analyze vegetation health, canopy structure, and other ecological parameters.

Application and Integration

GIS Integration: Import processed Lidar data into Geographic Information Systems (GIS) for mapping and spatial analysis.

CAD and BIM: Integrate Lidar data into Computer-Aided Design (CAD) and Building Information Modeling (BIM) software for detailed architectural and engineering projects.

Reporting: Generate detailed reports and visualizations for stakeholders, highlighting key findings and insights.

Maintenance and Updates

Regular Scanning: For dynamic environments, conduct regular Lidar scans to keep data updated.

System Calibration: Periodically calibrate the Lidar equipment to maintain accuracy.

Equipment Used

Lidar Sensors: These emit and receive laser pulses.

GPS/IMU Systems: Provide precise location and orientation data.

Computers and Software: For data processing, analysis, and visualization.

Benefits of Lidar Scanning

High Accuracy: Provides precise measurements and detailed 3D models.

Efficiency: Rapid data collection over large areas.

Versatility: Applicable in various fields such as forestry, urban planning, and archaeology.

Penetration: Can penetrate vegetation to map ground surfaces.

Physical Site Survey Team (As-Built)

Work Flow:

- While creating issues in the as-built drawing in BIM 360, issues should be located above the asset if issues are relocated after issue creation or while synchronizing from the asset. Red arrow mark-up should provide from the asset to issues.
- While creating an issue during the site survey “Title” in BIM 360, the Equipment type should be mentioned/copy pasted from AIR (without any additional characters).
- While creating an issue during the site survey enter “Description” in BIM 360, Equipment Site Tag should be entered as per site if the site tag is not available “No Tag” entered in the “Description”.
- Permanent equipment site tag considered as Tag. Any temporary marking should consider as “No Tag”.
- While creating issue site equipment photos should be uploaded in BIM 360 with a minimum of 2 no’s clarity photos for each issues.

- Issues photos should cover the Site tag, Equipment Make, Model Number, Serial number, and Supplier if available.
- Each asset should be created for each issue.
- Photos of each asset must be taken separately except for fire alarm devices for fire alarm devices each floor typically one photo need to be taken for each type of device created with issues.
- As built drawing exiting asset if not found or no access to check, create an issue in the description, should mention asset "Not found or Not visible or No Access". Related location photos are to be uploaded in BIM 360.
- If any additional Asset is found at the site that location draws the red box above to create the issue with proper equipment type.
- If any new asset is found at the site that location draws the red box above the issue should be created with the title mentioned "New Asset".
- New Asset Description mention as per the site. Once a new code is created issue should be updated as per the new AIR Equipment Type.
- Random Façade Images are to be taken to cover the building on all sides of the Facades Close and long-range photos with issues are to be created in ground floor plan drawing FAÇADE image folder (BIM360).
- All building Signages issues should be created mention the Title "Signage" Photos for the signages should be long & Close up with clear readable images.
- Signage issue creation Condition:

-Uploaded Signage drawing in the signage folder creates signage issue with minimum 2 no's photos. If signages are not available as per the drawing location create the issue description "Not found".

-If a signage drawing is not available signage issue should be created in the floor plan drawing all Temporary & permanent signages are to be taken.

-Following Signage like Rooms, Lift, Fire Hazard, common corridor, Staircase, Evacuation plan/Signage, etc. to be taken.

-All Parking signage issues should be created except parking slot & Parking floor mark-ups.

- Once the as-built drawing Site survey is 100% completed (progress updated) in BIM 360 do not create any new issues without permission.
- With the Existing issues any correction or additional photo uploading should be informed before updating.

LiDAR Scanning Team:

Work Flow:

- Lidar 3D scan should be conducted on all floors including the roof, Ground level, and Elevation of the area around the project/Buildings.
- The scanning station should cover all areas of the building's architecture.
- The scanning station should create the proper link for the next station to be scanned
- Need to add more stations for the service room for identifying pipes and assets clearly.
- The signage location needs to be scanned clearly or add one more station near the signage.
- All visible assets should be covered without any flaws.
- Once Scanning is completed, hand over the RAW file for registration.

LiDAR Scan Registration:

Work Flow:

- Import the RAW data to the registration software.
- Clean out the reflections of the stations in the specific scanner software.
- Register the stations one by one with a minimum error of 1mm.
- Export the point cloud in RCP format.
- Upload the RCP, Archive, and RAW data in BIM 360.
- Should be RCP file name as per the KAFD naming conversion.
- Maintain the project wise RCP file documents log.



SEVEN - SAUDI ENTERTAINMENT VENTURES

 CLIENT : SHAPOORJI PALLONJI GROUP

 LOCATION : Riyadh, Saudi Arabia

Project Understanding

- We understand to provide our services “Lidar Scanning” solutions for your prestigious project and provide a complete scanning works of Main building interior areas to compare the structural and Steel support model and provide the deviation report.
- 3D Laser Scanners will be used for this project in order to capture 3D geometry of infrastructure, creating as built for the buildings or generating 3D data for integrating with Building Information Modelling.

3D scanning are techniques for collecting high density spatial imaging with millions of coordinates quickly and accurately.

Using highly accurate 3D scan data generated with 3D scanning you can view as- built documentation in a virtual world. The point cloud data can also be used by the design team to develop or update the as-built models.

The raw output of buildings scan is “point cloud data”, which we can use as reference to create a fully

parametric file in your design software.

TXG Will provided the complete scanned data in. rcp format to Shapoorji Pallonji Group and deviation report between the Latest received BIM Model and As-built condition of Structural and Steel support model.

TXG will provide the As-built updated BIM Model for the mentioned scanned areas of Structural and steel structural models.

Scope of Work and Deliverables

TXG performed “Scan to BIM Service “for the project as per the area schedule provided with help of LiDAR scanners and complete post processing works will be done which will be used for

- Comparison of BIM Model with As-built condition for structural and steel support only
- Deviation report
- Updated As-built model for structural and steel support
- Scan Data (.RCP format) as per area schedule of Structural and Steel support only.



JEDDAH OPERA HOUSE

 CLIENT : JEDDAH CENTRAL DEVELOPMENT COMPANY

 LOCATION : Riyadh, Saudi Arabia

Project Understanding

- We understand to provide our services “Lidar Scanning” solutions for your prestigious project and provide a complete scanning works of Main building interior areas to compare the structural and Steel support model and provide the deviation report.
- 3D Laser Scanners will be used for this project in order to capture 3D geometry of infrastructure, creating as built for the buildings or generating 3D data for integrating with Building Information Modelling.

3D scanning are techniques for collecting high density spatial imaging with millions of coordinates quickly and accurately.

Using highly accurate 3D scan data generated with 3D scanning you can view as- built documentation in a virtual world. The point cloud data can also be used by the design team to develop or update the as-built models.

The raw output of buildings scan is “point cloud data”, which we can use as reference to create a fully

parametric file in your design software.

TXG Will provided the complete scanned data in. rcp format to Jeddah Central Development Company and deviation report between the Latest received BIM Model and As-built condition of Structural and Steel support model.

TXG will provide the As-built updated BIM Model for the mentioned scanned areas of Structural and steel structural models.

Scope of Work and Deliverables

TXG performed “Scan to BIM Service” for the project as per the area schedule provided with help of LiDAR scanners and complete post processing works will be done which will be used for

- Comparison of BIM Model with As-built condition for structural and steel support only
- Deviation report
- Updated As-built model for structural and steel support
- Scan Data (.RCP format) as per area schedule of Structural and Steel support only.



DIGITAL
DELIVERY
PARTNER

GIS MAPPING SERVICES

GIS MAPPING SERVICES

With the use of cutting-edge geo spatial technology, our team of experts offers complete GIS mapping services that are intended to transform resource management, infrastructure development, and urban planning. Our services improve operational efficiency and decision-making by providing comprehensive spatial analysis, data visualization, and mapping solutions that are customized to match the specific requirements of our clients.

METHODOLOGY



Planning

- **Objective Setting:** Define the objectives and scope of the GIS mapping project, including specific areas of interest and required data resolution.
- **Site Selection:** Choose the area for GIS mapping and if needed, secure the requisite permits.



Data Collection

- **Remote Sensing:** Utilize satellite imagery and aerial photography for high-resolution spatial data collection.
- **Ground Surveying:** Conduct on-the-ground data collection using GPS and other geospatial tools for accurate ground data.
- **Sensor Integration:** Integrate data from various sensors, including drones and IoT devices, for comprehensive spatial data collection.



Data Processing

- **Data Cleaning:** Remove noise and outliers from raw data to ensure accuracy.
- **Georeferencing:** Align spatial data with geographic coordinates using GPS and other reference points.
- **Spatial Analysis:** Perform detailed analysis using GIS software to identify patterns, trends, and relationships in the spatial data.



Mapping and Visualization

- **Raster and Vector Mapping:** Create detailed raster and vector maps to represent various spatial features.
- **Thematic Mapping:** Develop thematic maps to visualize specific data attributes such as land use, population density, and infrastructure.
- **Interactive Maps:** Create interactive web-based maps for real-time data visualization and user engagement.



Analysis and Application

- **Urban Planning:** Support urban planning and development projects with detailed spatial data and analysis.
- **Infrastructure Management:** Optimize infrastructure management through precise mapping and analysis of assets.
- **Environmental Monitoring:** Conduct environmental impact assessments and monitor changes using spatial data.
- **Disaster Management:** Enhance disaster preparedness and response through real-time spatial data visualization and analysis.



Data Integration

- **Data Integration:** Combine data from different sources into a unified GIS database for comprehensive analysis.



NEOM AIRPORT T1T2

 CLIENT : NEOM

 LOCATION : Saudi Arabia

One of the most ambitious and innovative urban development projects in the world. Our team of experts provided advanced geospatial solutions, including dynamic mapping, raster imaging, and detailed spatial analysis, to support the project's vision of a smart, sustainable, and futuristic city. Integrating GIS technology facilitated efficient resource management, infrastructure planning, and environmental monitoring, contributing significantly to the project's overall success.

DELIVERABLES

Geodatabase Files (.gdb):

Robust databases for storing, querying, and managing geospatial data.

Workspace Documents (.xml):

Configuration files defining the workspace settings for GIS projects.

Raster Images (.tif or .jpg):

High-resolution georeferenced images for detailed spatial analysis.

Maps – Static (.pdf):

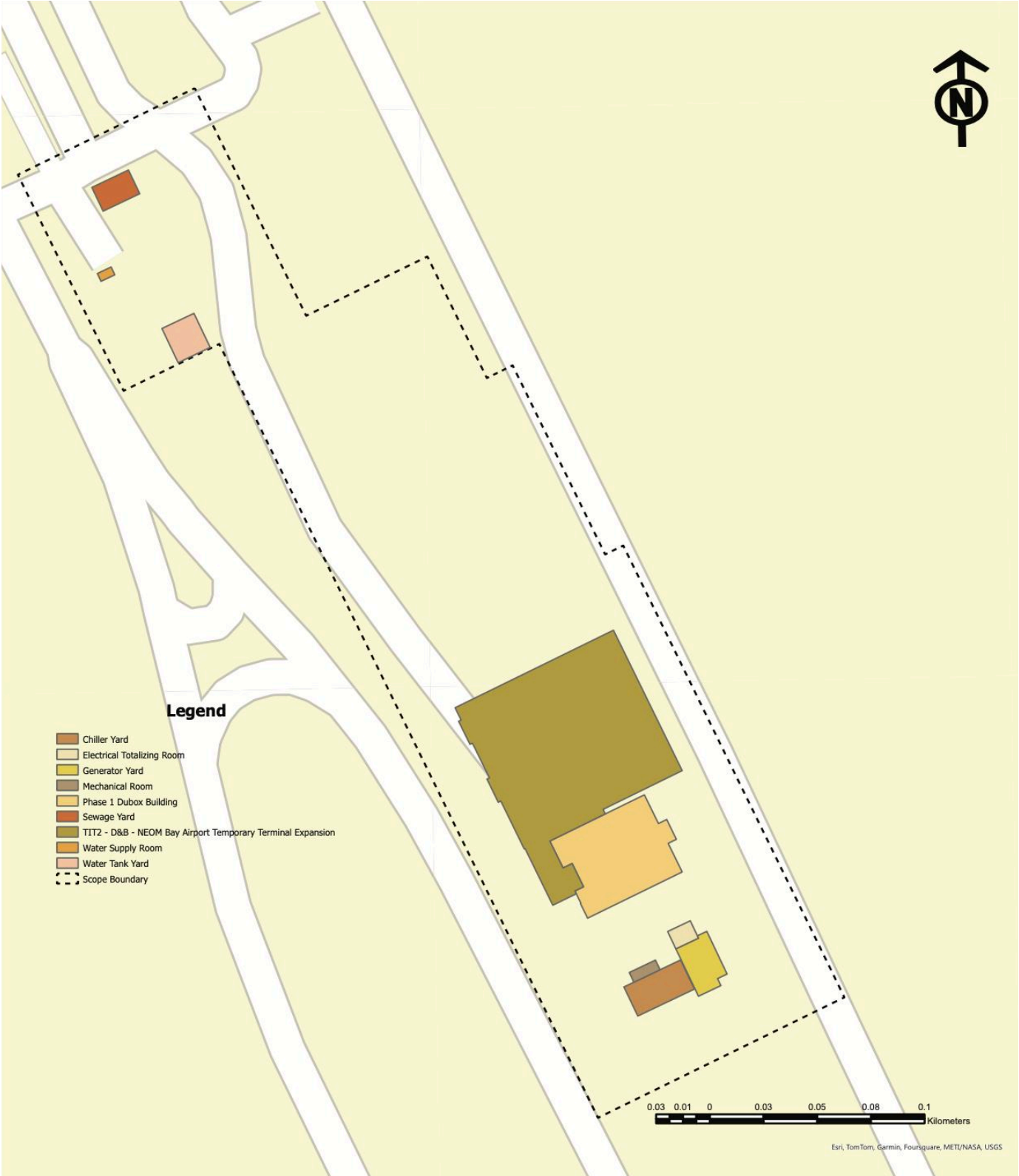
High-quality, printable maps for presentations and reports.

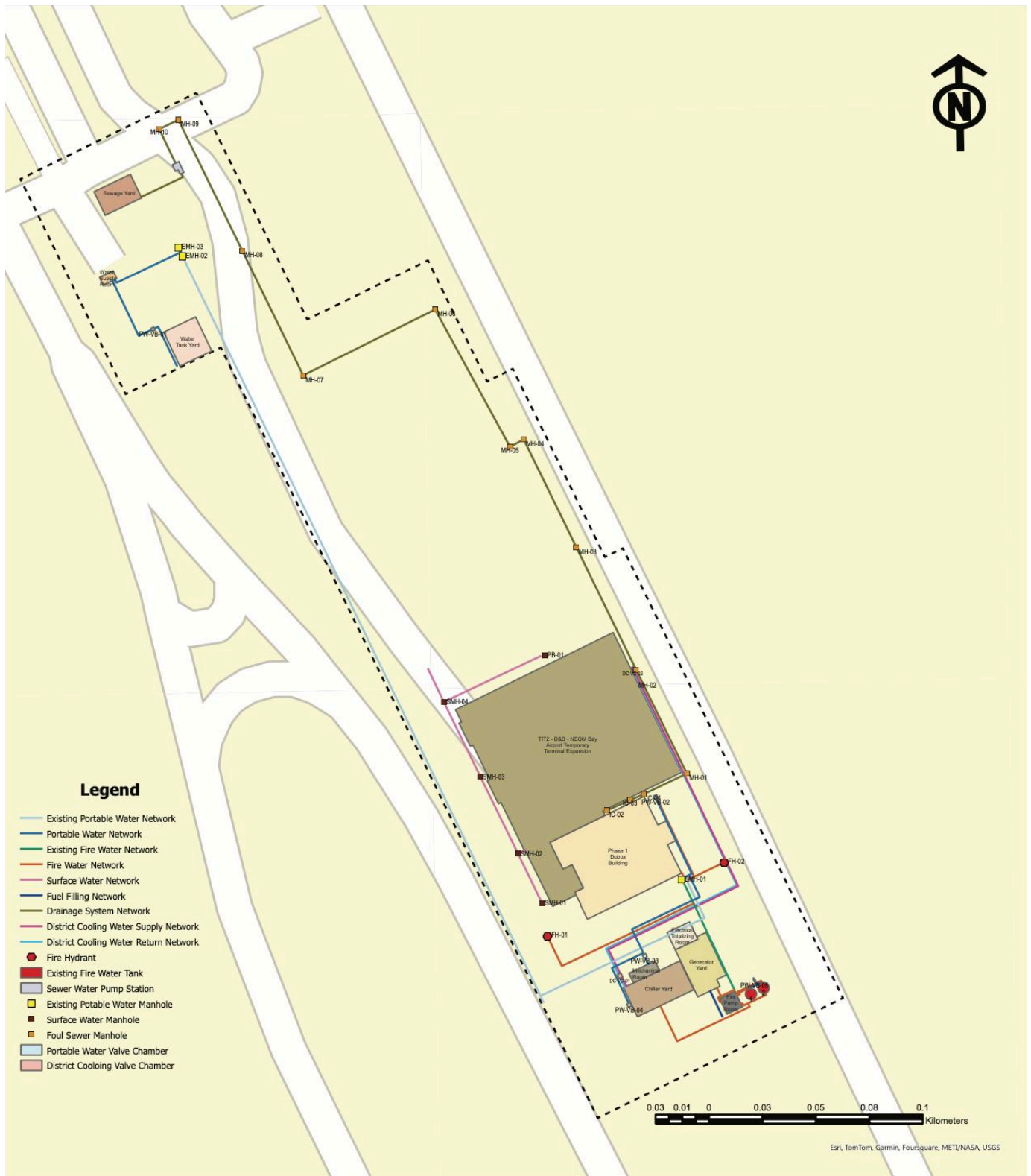
Maps – Dynamic (.aprx – ArcGIS Pro, .mxd ArcMap):

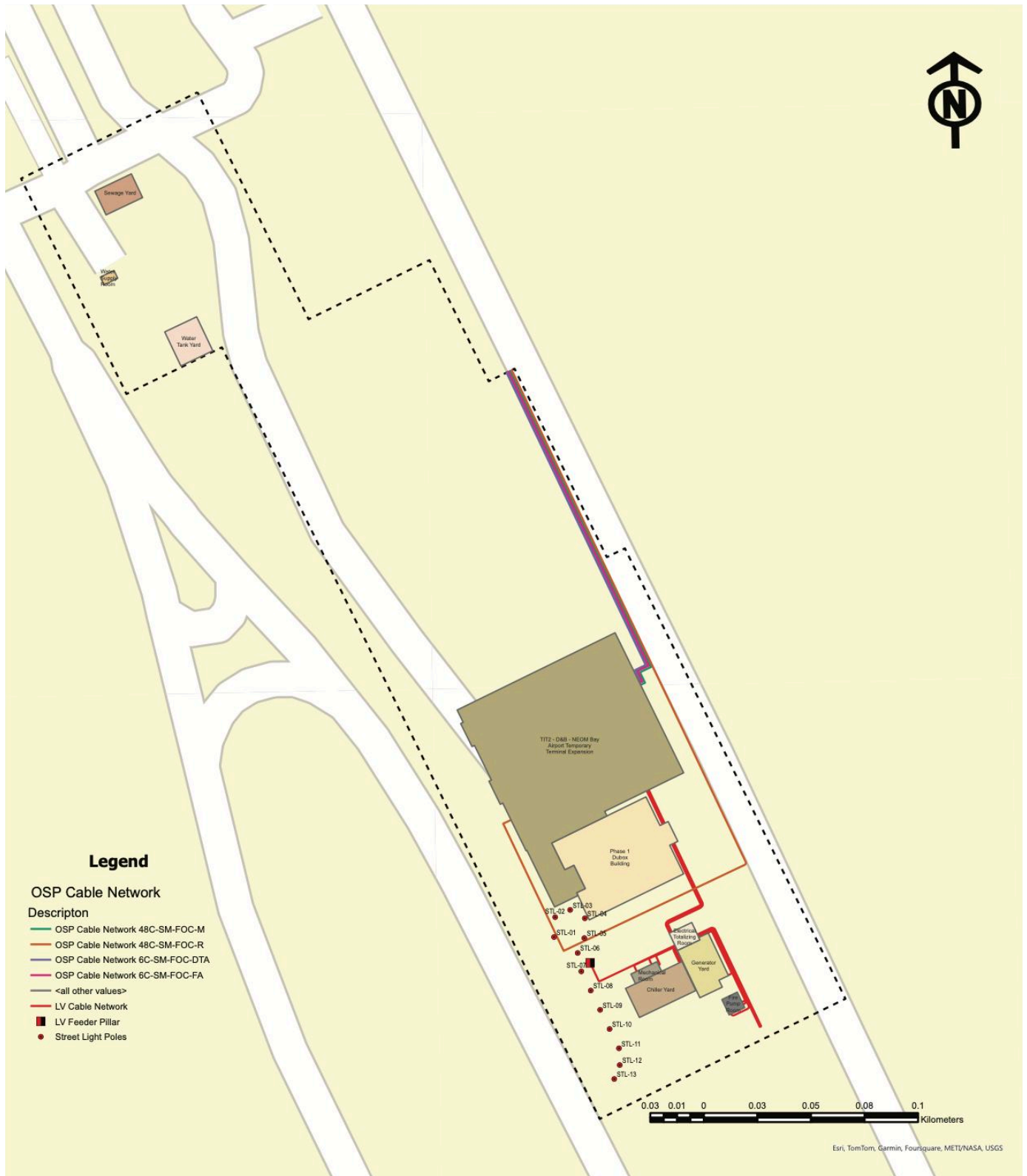
Interactive and customizable maps for in-depth geospatial analysis.

Metadata (.xml or .txt):

Comprehensive metadata files documenting the source, accuracy, and reliability of the geospatial data.



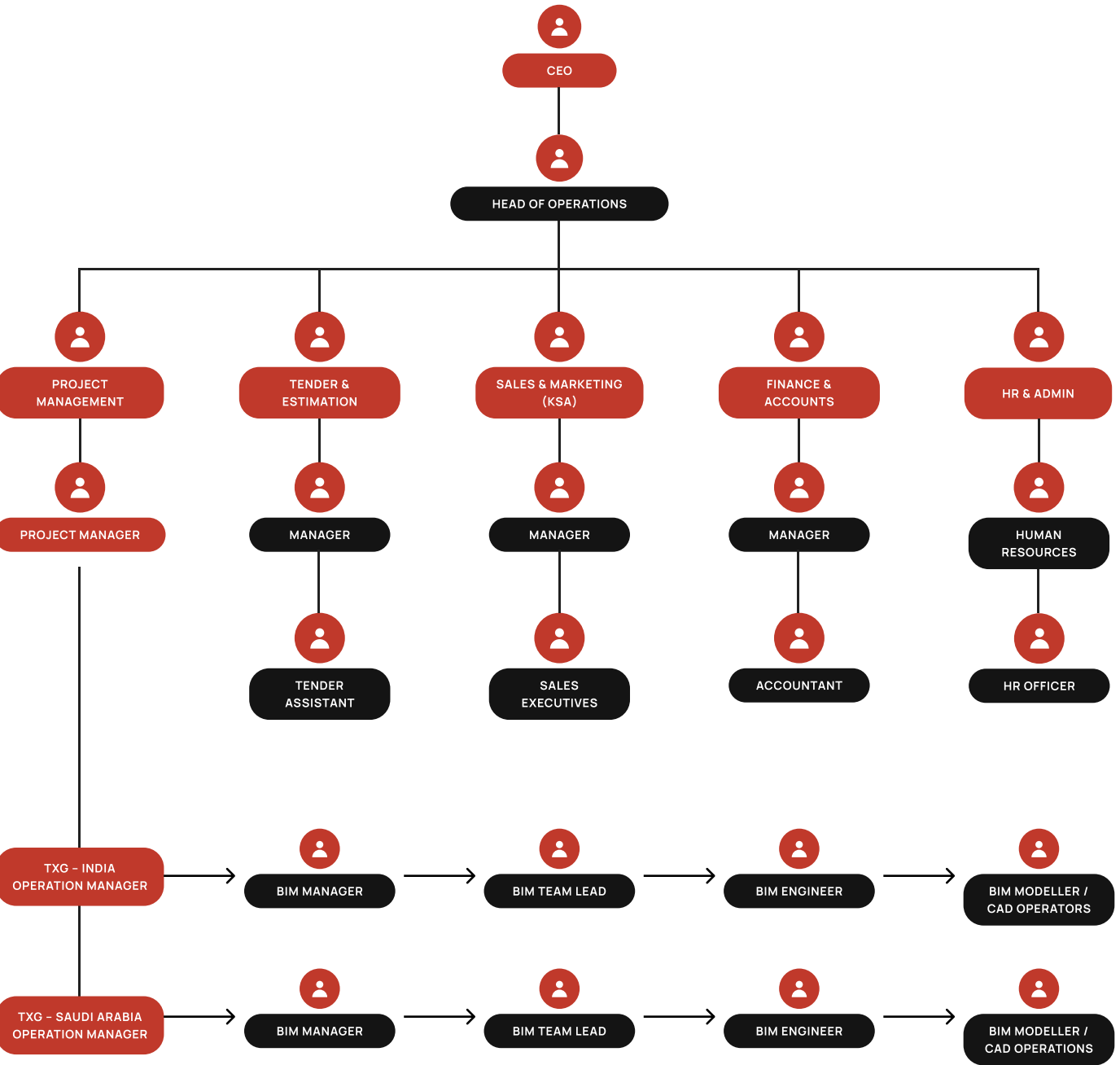




COMPANY ORGANIZATIONAL STRUCTURE



COMPANY ORGANIZATIONAL STRUCTURE



KEY PERSON CV'S

RAMEEZ RAJA . A

Head of Operations – Engineering & Digital Delivery

Riyadh, Kingdom of Saudi Arabia

+966 556532383

rameez@txg.com

linkedin.com/in/rameez-raja-09a6b744



SKILLS

- Operational Management
- Project Management
- Digital Construction & BIM
- MEP / ELV Systems
- Planning & Strategy
- Leadership
- Effective Communication
- Critical Thinking
- Customer Relationship
- Commercial & Budgeting

EDUCATION

MBA – Project Management
Alagappa University, India | 2012

B.E. – Electronics & Communication Engineering
Anna University, India | 2004–2008

KEY PROJECTS

- Abudhabi Financial Center – UAE
- Qatar Navigation Tower – Qatar
- Jaidah Tower – Qatar
- Barwa Commercial Avenue – Qatar
- Lusail Stadium – Qatar
- Jeddah Tower – Saudi Arabia
- AGRE Projects – UAE
- Dubai Expo – Kickoff Building
- Deira Waterfront Development – UAE
- Rua Al Madinah – Saudi Arabia
- King Salman Park – Saudi Arabia
- NEOM Airport TIT2 – Saudi Arabia
- KAFD – PIF Project – Saudi Arabia
- Sports Boulevard – Saudi Arabia
- Red Sea Tail Marsa – Saudi Arabia
- Yamamah Palace – Saudi Arabia

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Tamil (Fluent)
- Malayalam (Fluent)
- Arabic (Basic)

OBJECTIVE

Results-driven construction professional with 17 years of experience, specialising in MEP systems and digital construction technologies. Adept at managing complex projects from conception to completion, ensuring quality, safety, and efficiency while adhering to budgets and timelines. Strong expertise in digital construction tools to enhance project coordination and execution. Committed to sustainability, cost-effective solutions, and leveraging technology to optimise construction workflows.

EXPERIENCE

Head of Operations – Engineering & Digital Delivery

Technical Xperts Group | Saudi Arabia

2020 – Present | (also 2015 – 2017)

- Oversee and manage all operational aspects of the organisation, ensuring efficiency, productivity, and strategic growth.
- Develop and implement processes to optimise resource allocation, cost control, and project execution.
- Lead cross-functional teams, drive performance, and maintain high-quality standards with full safety and regulatory compliance.
- Collaborate with stakeholders to align operations with business objectives.
- Utilise data-driven insights and digital tools to improve workflows and decision-making.
- Foster a culture of continuous improvement, innovation, and accountability to achieve organisational goals.

Project Manager – MEP Division

Beaver Gulf Contracting | Dubai, UAE

2017 – 2020

- Oversaw planning, design, installation, and maintenance of MEP systems in construction projects.
- Ensured compliance with project specifications, industry standards, and safety regulations.
- Managed budgets, schedules, and resource allocation for timely project delivery.
- Utilised BIM and digital construction tools for improved coordination and efficiency.
- Led and mentored MEP teams, ensuring high performance and adherence to best practices.

Key Projects: Deira Waterfront Development | Dubai Expo – Kickoff Building | AGRE Projects UAE

MEP Coordinator

ETA Star Engineering & Contracting (M&E Division)

2009 – 2015

- Coordinated the design, installation, and integration of MEP systems within construction projects.
- Worked with architects, engineers, and contractors for seamless execution and code compliance.
- Reviewed drawings, specifications, and schedules to prevent conflicts and optimise efficiency.

MEP Engineer

THERMO LLC | Abudhabi, UAE

2008 – 2009

- Designed, analysed, and oversaw installation of MEP systems in construction projects.
- Ensured compliance with codes, safety standards, and project specifications.

PROJECTS

KAFD & Sports Boulevard – Head of Operations

Operations leadership for KAFD PIF project and Sports Boulevard, Saudi Arabia – full BIM and digital delivery management.

Lusail Stadium & Qatar Navigation Tower – MEP Coordinator

MEP coordination and delivery for major Qatar infrastructure projects including Lusail Stadium and high-rise commercial towers.

NEOM Bay Airport – Head of Operations

Oversaw operational planning and execution for BIM services on a major airport infrastructure project.

Managed project resources, financial performance, and operational risks to ensure successful delivery of LOD 400/500 BIM deliverables.

Kingdom Tower – Head of Operations

Led operational management for BIM and engineering services on a landmark high-rise development.

Supervised project teams, ensuring efficient resource utilization and adherence to project timelines and quality standards. Established communication channels between clients, consultants, and internal teams to facilitate seamless project execution.

TXG
TECHNICAL EXPERTS GROUP

TXG
TECHNICAL EXPERTS GROUP
DIGITAL DELIVERY PARTNER

MUHAMMED SAJJAD

Office Administrator

Riyadh, KSA
+966 578406059
msajjad@txgksa.com
linkedin.com/in/muhammedsajjad-58b1571a2



SKILLS

- Travel Coordination
- Office Administration
- File & Records Management
- Payroll Administration
- Managing Office Supply Inventory
- Appointment Scheduling
- HR Information Systems
- Multi-line Phone Systems
- Meeting Minutes & Reporting

EDUCATION

BBA

Bharathiar University, India
2013 – 2016

PERSONAL INFO

DOB: 16 February 1995
Nationality: Indian

LANGUAGES

- English – Fluent
- Hindi – Fluent
- Malayalam – Proficient
- Arabic – Moderate

OBJECTIVE

Personable Office Administrator with 6+ years of experience prioritizing multiple tasks requiring prompt solutions. Talented problem-solver managing workloads while greeting visitors, answering incoming phone calls, and fulfilling staff members' requests. Professional and welcoming in creating an upbeat work environment.

EXPERIENCE

Support Services Supervisor

TXG | Riyadh, KSA

April 2026 - Present

- Supervise and manage day-to-day employee support services.
- Coordinate employee onboarding, orientation, and induction activities.
- Maintain employee records and ensure documentation is up to date.
- Assist in processing employment contracts, renewals, transfers, and terminations.
- Support HR activities related to attendance, leave management, and employee benefits.
- Respond to employee inquiries regarding HR policies and procedures.

Office Administrator

First Fix | Jeddah, KSA

March 2018 – April 2026

- Delivered clerical support by handling a range of routine and special requirements.
- Managed budgets, appointment scheduling, employee and event itineraries and accounts.
- Reported on daily office activities to help managers make proactive decisions.
- Transcribed meeting minutes for recordkeeping and submitted to senior management.
- Booked flights, car rentals and hotel accommodations for business travel for staff.
- Answered multi-line phone system, routing calls and greeting visitors.
- Compiled and distributed reports and contracts, auditing data prior to shipping.
- Maintained HRIS and kept employee files up to date and accurate.
- Addressed and resolved general payroll-related inquiries.

Office Administrator

Allied General Trad. EST. | Jubail, KSA

July 2017 – March 2018

- Evaluated office documentation for accuracy and completed missing pieces.
- Kept detailed records of supplies and equipment use to budget and make orders.
- Facilitated office productivity, coordinating personnel schedules and quality assurance.
- Aligned office departments and increased inter-department communication by implementing new workflows.

Junior Accountant

Accountants Service Society | Kerala, India

May 2016 – June 2017

- Reviewed financial documents to verify accounting data and mathematical accuracy.
- Submitted weekly cash flow reports showing inflows, outflows, and projections.
- Assisted with preparation of monthly financial statements.

AHMED ALFARRAJ

Business Development

Riyadh, Saudi Arabia
+966 502470005
sales@txgksa.com



SKILLS

- Business Development
- Marketing Strategy
- Client Relationship Management
- Negotiation & Closing Deals
- Social Media Management
- Market Research & Analysis
- Communication & Presentation
- Leadership & Teamwork
- Time Management
- Decision Making

TOOLS & PLATFORMS

- Qiwa Platform
- Etimad Platform
- Microsoft Office (Excel, PowerPoint, Word)
- Social Media Management Tools

EDUCATION

BA Mass Communication
Public Relations Track
King Saud University | 2020–2024

LANGUAGES

- Arabic
- English

OBJECTIVE

Business Development & Marketing Manager with a strong background in administrative operations, marketing, and public relations. Proven ability to drive business growth, manage client relationships, and execute marketing strategies. Skilled in sales, negotiation, and cross-functional collaboration, with experience across corporate and creative industries.

EXPERIENCE

Business Development Executive

International TXG Pvt Ltd, KSA

July 2026 – Present

Sales & Business Development:

- Delivered product presentations to prospective clients.
- Negotiated and closed deals to achieve sales targets; identified and pursued new business opportunities.

Content Operations & Media:

- Planned and managed content publishing schedules across platforms.
- Reviewed and approved content to ensure quality and brand consistency

Administrative Specialist

Protiviti | Saudi Arabia

August 2025 – March 2026

- Managed employee affairs and government-related transactions, including social insurance processes.
- Prepared, issued, and renewed employment contracts via Qiwa platform.
- Handled contracts and project documentation through Etimad platform.
- Issued work visas for foreign employees via Ministry of Foreign Affairs.
- Coordinated document attestation with Riyadh Chamber.

Marketing & Public Relations Specialist

9ROUND | Saudi Arabia

March 2025 – August 2025

- Analyzed market trends and customer behavior to support marketing strategies.
- Conducted competitor analysis and proposed actionable improvements.
- Managed social media platforms and audience engagement.
- Coordinated marketing campaigns with design and content teams.

Business Development Assistant

Trakeeb Content | Saudi Arabia

August 2024 – February 2025

Sales & Business Development:

- Delivered product presentations to prospective clients.
- Negotiated and closed deals to achieve sales targets; identified and pursued new business opportunities.

Content Operations & Media:

- Planned and managed content publishing schedules across platforms.
- Reviewed and approved content to ensure quality and brand consistency.

Event Coordination – Tahaddath AR:

- Organized conference agendas and scheduled sessions; managed logistics including venue booking and technical setup.

PROJECTS

Tahaddath AR Conference – Event Coordination – Trakeeb Content

Full event coordination for Tahaddath AR conference: agenda organisation, session scheduling, venue booking, and technical setup management.

9ROUND Marketing Campaigns – Marketing & PR – Saudi Arabia

Market research, competitor analysis, social media management, and campaign coordination for 9ROUND fitness brand.

SANGEETH KARIMBANAKKAL

Finance & Accounts Specialist

Riyadh, Saudi Arabia

+966 506831471

sangeeth@txgksa.com

linkedin.com/in/sangeeth-k-3a45b6238 |



KEY SKILLS

- Financial Accounting & General Ledger
- GCC VAT & GST/ITR Filing
- TDS & Statutory Compliance
- Accounts Payable & Receivable
- Bank Reconciliation
- Payroll Processing & WPS
- Financial Reporting & Budgeting
- Audit Support & Internal Controls
- Cash Flow Management
- Vendor & Invoice Management
- Forex Transactions
- Project Accounting

COMPUTER SKILLS

Tally ERP | Zoho Books
Advanced Excel (Pivot, VLOOKUP, XLOOKUP)
Power BI | MS Word | PowerPoint

EDUCATION

MBA – Finance (Expected 2026)
Mizoram University

B.Com

University of Calicut, 2016–2019

CERTIFICATIONS

- Diploma in Financial Accounting – G-Tec
- Banking Course – Direction Institute
- Zoho Books Accounting Certification – Sinet
- TCS Ion Career Edge – Tata Consultancy Services

PERSONAL INFO

DOB: 16 August 1999
Nationality: Indian | Male
Iqama: Transferable / Valid
Languages: English, Malayalam, Tamil, Arabic (Beginner)

OBJECTIVE

Results-driven Accountant with 6+ years of experience across Saudi Arabia and India in Accounts Payable, Accounts Receivable, General Ledger, VAT compliance, payroll processing, bank reconciliation, financial reporting, and audit support. Experienced in GCC taxation, IFRS standards, project accounting, and multi-country banking operations. Skilled in Tally ERP, Zoho Books, and MS Excel. Currently based in Riyadh with transferable Iqama.

EXPERIENCE

Accountant

Technical Xperts Group (TXG) | Saudi Arabia

May 2022 – Present

- Managed banking operations across KSA, UAE and India including account opening, fund transfers, and cash reconciliations.
- Processed sales orders, issued invoices, credit notes, customer/vendor statements, and handled vendor payments.
- Prepared and filed GCC VAT, GST, ITR, TDS, PF/ESI, and company tax returns ensuring compliance with regulations.
- Executed forex transfers, export sales/purchases, and monitored project inflow/outflow and profitability.
- Generated financial statements, management reports, and tracked project budgets for strategic decision-making.
- Implemented internal controls, accounting software systems, and maintained the chart of accounts.

Assistant Accountant

Feroke Municipality, Kerala Government | India

February 2020 – April 2022

- Assisted in financial operations including expenditure monitoring, budget planning, and allocation tracking.
- Managed PF processes including employee enrollment, contribution calculation, deposits, and withdrawals.
- Performed bank and contractor account reconciliations to ensure financial accuracy.
- Delivered front office services including revenue/tax collection, public interaction, and grievance redressal.

Tax Trainee

Tax Mate | India

May 2019 – December 2019

- Assisted in GST registration, return filing, reconciliation, and compliance with statutory requirements.
- Prepared and filed Income Tax Returns (ITR) and supported tax assessments.

Accountant (Part-Time)

Quras Furniture | India

May 2017 – April 2019

- Managed payroll, attendance tracking, accounts receivable/payable, and bank reconciliations.
- Generated financial reports to support management decision-making.

ACHIEVEMENTS

- Increased efficiency in VAT and tax filing processes by 40%, ensuring timely and error-free submissions.
- Enhanced financial reporting turnaround time by 35% through improved data tracking and automation.
- Reduced discrepancies in vendor payments by 28% by implementing better internal controls.
- Strengthened collection follow-up and reduced payment delays.

PROJECTS

TXG Finance Operations – Accountant – KSA, UAE & India

Multi-country banking, VAT/GST compliance, project accounting, payroll processing, and financial reporting for TXG group operations.

HANI AIL ALMUTIRI

Government Relations Officer

Saudi Arabia
0533113118
gro@txgksa.com



SKILLS

- Leadership & Team Motivation
- Military Administration
- Training Program Management
- Personnel Affairs Management
- Planning & Organising
- Effective Communication
- Task Distribution & Delegation
- Management & Decision Making

EDUCATION

Bachelor's Degree in Military Sciences
King Khalid Military College
July 1993

COURSES & TRAINING

- Infantry Basic Course – Aug 1996
- Training of Trainers Course for Officers – Aug 1999
- English Language Course – Jun 2001 | National Guard Military Schools
- English Language Terminology Course – May 2002 | USA
- General Management Basic Course for Officers – Aug 2002 | USA
- Using Computers in Administrative Work – Aug 2003
- English Language Terminology Course – Apr 2004 | USA
- Advanced General Management Course for Officers – Jun 2004 | USA

LANGUAGES

- Arabic (Native)
- English

OBJECTIVE

Highly experienced Senior Military Officer with 25+ years of progressive service at the National Guard Military Schools, Saudi Arabia. Demonstrated expertise in military administration, training management, personnel affairs, and institutional leadership. Proven ability to motivate and manage teams, plan and execute administrative and training programs, and lead at command level. Seeking to apply extensive organisational and leadership experience in a civilian management or advisory capacity.

EXPERIENCE

Government Relations Officer International TXG Pvt Ltd, KSA

Aug 2024 – Present

Sales & Business Development:

- Delivered product presentations to prospective clients.
- Negotiated and closed deals to achieve sales targets; identified and pursued new business opportunities.

Content Operations & Media:

- Planned and managed content publishing schedules across platforms.
- Reviewed and approved content to ensure quality and brand consistency

Head of Administration – National Guard Military Schools National Guard Military Schools | Saudi Arabia

April 2016 – June 2022

- Led and managed all administrative functions of the National Guard Military Schools.
- Oversaw personnel affairs, administrative governance, and institutional compliance.
- Planned, organised, and directed administrative operations across multiple departments.
- Mentored and developed administrative staff, ensuring high standards of performance.

Commander – Administration Training Wing National Guard Military Schools | Saudi Arabia

September 2011 – July 2016

- Commanded the Administration Training Wing, overseeing all training programs and personnel.
- Developed and implemented training curricula and standards for administrative personnel.
- Ensured training objectives aligned with National Guard institutional goals.

Assistant Commander – Administration Training Wing National Guard Military Schools | Saudi Arabia

July 2007 – November 2011

- Supported the Commander in managing training wing operations and personnel development.
- Coordinated scheduling, logistics, and delivery of administration training programs.

Military Administration Trainer National Guard Military Schools | Saudi Arabia

November 2001 – April 2007

- Delivered military administration training to officers and personnel.
- Developed training materials and evaluated trainee performance.

Administration and Personnel Affairs Officer National Guard Military Schools | Saudi Arabia

April 1997 – September 2001

- Managed personnel affairs and administrative records for the Military Schools.
- Coordinated between departments to ensure smooth administrative operations.

Infantry Platoon Commander National Guard Military Schools | Saudi Arabia

July 1993 – September 1997

PROJECTS

National Guard Military Schools – Administration Leadership – Head of Administration | 2016–2022

Led full administrative governance of National Guard Military Schools over 6 years, overseeing personnel affairs, institutional compliance, and team development.

Administration Training Wing – Command & Development – Commander & Trainer | 2001–2016

Commanded and developed the Administration Training Wing for 15 years, designing and delivering military administration training programs.

TXG
TECHNICAL EXPERTS GROUP

EMAN ELHADI

BIM Manager | Senior Architect | Digital Delivery Lead

Riyadh, Saudi Arabia

+966 559814424

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linkedin.com/in/eman-elhadi-1a568b174

BIM & DIGITAL DELIVERY

- ISO 19650 Information Management
- BEP / MIDP / TIDP Development
- AIR / OIR / PIR Alignment
- LOD 300–500 Model Development
- COBie & Asset Information Modelling
- OpenBIM & IFC Strategy
- Multidisciplinary Federation
- Digital Handover & Closeout

COMPUTATIONAL BIM

- Python Scripting for BIM Automation
- Grasshopper Parametric Systems
- Dynamo Visual Programming
- IFC Parsing & Data Structuring
- AI-Assisted BIM Coding Workflows

PLATFORMS & TOOLS

- Autodesk Revit | Navisworks | ACC
- Oracle Aconex | Revizto
- Rhino 3D | Grasshopper | Dynamo
- AutoCAD | ArchiCAD | OpenBIM Viewer
- Python / VS Code (IFC Inspection)

REGULATORY COMPLIANCE

- Saudi Building Code (SBC)
- IBC (Occupancy, Egress, Fire)
- NFPA Standards

EDUCATION

PG Certificate – Parametric Design & BIM
Zigurat Institute of Technology, Barcelona | 2025–2026

B.Sc. – Architecture
University of Khartoum, Sudan | 2018

Diploma – Architecture
Bremen University of Applied Sciences, Germany | 2017

LANGUAGES

- Arabic (Native)
- English (Proficient)

OBJECTIVE

BIM Manager and Digital Delivery Lead with extensive experience driving structured information governance across airports, large-scale infrastructure, and complex architectural programmes in Saudi Arabia. Expert in LOD 500 AIM development, ISO 19650-aligned workflows, and OpenBIM interoperability. Combines deep architectural expertise with advanced computational BIM including Python scripting, Grasshopper, Dynamo, and IFC-based information management.

EXPERIENCE

BIM / Project Manager

Technical Xperts Group (TXG) | Riyadh, KSA

King Salman International Airport (KSIA) – ECI Phase 1 T6 | MBL JV

March 2026 – Present

- Leading BIM scope for KSIA ECI Phase 1 (T6), governing information delivery across all disciplines from RIBA Stage 3 through Stage 4; managing BEP aligned with EIR, AIR, OIR, and PIR.
- Developing model validation and constructability protocols; conducting modularity studies for prefabrication; leading clash detection governance across all design packages.

Sports Boulevard Project

August 2025 – Present

- Leading digital delivery and BIM governance; directing transformation of 2D as-built documentation into iLOD 500 federated models; institutionalising ISO 19650 workflows and QA/QC governance.
- Managing CDE ecosystems via ACC and Oracle Aconex; governing asset data population aligned with AIR and COBie; dual BIM and Project Manager role driving cost performance and milestone execution.

Senior Architect

Modern Building Leaders (MBL) | Riyadh, KSA — Royal Project

May 2021 – August 2025

- Led technical design from Concept through As-built for royal and high-end hospitality projects — rationalising complex concepts into buildable, code-compliant solutions across all trades.
- Applied IBC, Saudi Building Code (SBC), and NFPA standards as design drivers; produced 1,500+ LOD 350+ technical drawings and IFC documentation, reducing site conflicts and rework.
- Led BIM governance (TIDP, MIDP, client EIR alignment); mentored architectural and BIM teams.

Key Projects: Royal Project – Riyadh | King Salman Park | Seven (Saudi Entertainment Ventures – Abha)

Architect

Sembawa Architects | Riyadh, KSA

April 2019 – October 2020

- Developed architectural design packages (concept through detailed design) for high-end residential and commercial projects; coordinated with MEP and structural teams; supported authority submissions.

Key Projects: Alrajhi RJ7 Ritm, Riyadh

Earlier Roles:

Architect – Mass Architecture Studio, Khartoum (Oct 2020 – Apr 2021) | Junior Architect – Diar Consultancy, Khartoum (Aug 2018 – Feb 2019) | Teaching Assistant – University of Khartoum (Aug–Dec 2018)

PROJECTS

King Salman International Airport (KSIA) – ECI T6 – BIM/Project Manager

Leading BIM governance and information delivery for KSIA ECI Phase 1 T6, governing all design disciplines across RIBA Stages 3–4.

Sports Boulevard – Digital Delivery Lead

BIM governance, iLOD 500 federated model development, ISO 19650 implementation, and CDE management across multidisciplinary infrastructure packages.

Royal Project & King Salman Park – Senior Architect

Technical design lead for royal and hospitality projects; 1,500+ LOD 350+ drawings, BIM governance, MIDP/TIDP management.

L01 Project – BIM/Project Manager

Directed BIM coordination activities and managed project-wide MEP model development.

Ensured adherence to BIM standards, coordinated project deliverables, and implemented quality control procedures.

Supervised BIM engineers and coordinators to achieve project objectives and construction readiness.

KAFD & Riyadh Metro – BIM/Project Manager

Led the BIM implementation and MEP coordination for high-rise towers at KAFD and Riyadh Metro infrastructure projects.

Managed multidisciplinary BIM teams, ensuring compliance with BIM Execution Plans (BEP), client standards, and project requirements.

ABHIJITH KV

BIM Coordinator

Riyadh, KSA

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a.abhijith@txggroup.com

[linkedin.com/in/abhijith-kv-437076225](https://www.linkedin.com/in/abhijith-kv-437076225)



SKILLS

- Autodesk Revit (HVAC, Plumbing, Fire Protection)
- AutoCAD MEP
- Navisworks Manage/Freedom
- BIM 360
- Autodesk Recap
- Bluebeam | Di Roots
- BIM Coordination & Clash Detection
- LOD 400/500 Modeling
- Interdisciplinary Collaboration
- BIM Execution Plan (BEP)
- Quantity Take-offs & BOQs
- Construction Drawings
- As-built Modeling

EDUCATION

B.Tech – Mechanical Engineering

Royal College of Engineering, 2015–2018

Diploma – Automobile Engineering

SSM Polytechnic College, 2012–2015

PROJECTS

- Al Deriya Farm POD1 & POD-2, KSA
- Al Deriya Farm Golf Club House, KSA
- Jeddah Central Development Co., KSA
- King Abdullah Financial District (KAFD), KSA
- Al-Moosa New Rehab & Long-Term Facility Center, KSA
- Al Nahda Entertainment Complex, Riyadh, KSA
- Al Yamama Palace (L01), Riyadh, KSA
- NEOM Bay Airport, KSA
- Riyadh Metro Project, KSA
- Sports Boulevard Foundation, KSA

LANGUAGES

- English
- Malayalam
- Hindi

OBJECTIVE

MEP BIM Engineer with 4+ years of experience delivering complex mechanical systems across high-profile projects in Saudi Arabia and India, including Riyadh Metro, NEOM Bay Airport, and King Abdullah Financial District. Specialized in developing LOD 400/500 models, coordinating multidisciplinary teams, and resolving clashes to ensure seamless project delivery. Skilled in Revit, Navisworks, and BIM 360.

EXPERIENCE

BIM Engineer

International TXG Pvt Ltd, KSA

August 2023 – Present

- Lead mechanical BIM coordination for high-profile projects (Riyadh Metro, Sports Boulevard, Jeddah Central Development).
- Developed and updated LOD 400/500 models in Revit, ensuring compliance with project standards and BEP.
- Conducted clash detection and resolution in Navisworks, reducing design conflicts and rework by 25%.
- Collaborated with architects, engineers, and contractors to ensure accuracy, consistency, and timely delivery.
- Performed site surveys to verify as-built conditions and updated BIM models accordingly.

BIM Modeler

International TXG Pvt Ltd, India

July 2021 – July 2023

- Produced 3D MEP models from CAD drawings and point cloud scans.
- Coordinated with electrical and structural teams, achieving 100% clash-free design packages.
- Generated shop drawings, sections, and construction details used in on-site execution.
- Supported procurement with accurate quantity take-offs and BOQs.

Trade Instructor

BETA Institute of Engineering

August 2018 – June 2019

- Delivered mechanical trade training combining theoretical knowledge with hands-on sessions.
- Mentored students in HVAC, plumbing, and fire protection system fundamentals.

PROJECTS

KAFD & Riyadh Metro – MEP BIM – KSA

Led BIM coordination and MEP model development for high-rise towers at KAFD and Riyadh Metro infrastructure packages.

NEOM Bay Airport – MEP BIM – KSA

Delivered LOD 400/500 MEP models for major airport infrastructure, ensuring clash-free design and handover documentation.

Kingdom Tower – MEP BIM | Kingdom of Saudi Arabia

Developed and coordinated MEP BIM models for one of the Kingdom's landmark high-rise projects.

Supported BIM coordination, model validation, and multidisciplinary collaboration throughout the project lifecycle.

L01 Project – MEP BIM | Kingdom of Saudi Arabia

Prepared and coordinated detailed MEP BIM models in accordance with project specifications.

Assisted in clash detection, model reviews, quantity take-offs, and construction coordination.

Tadawul Project – MEP BIM | Kingdom of Saudi Arabia

Developed and maintained coordinated MEP BIM models for commercial and corporate facilities.

Ensured compliance with BIM standards, supported design coordination, and facilitated project documentation and model deliverables.

TXG
TECHNICAL EXPERTS GROUP

MAAZ BIN SAYEED SARRAN

Project BIM Coordinator

Saudi Arabia

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linkedin.com/in/maazbinsayedssarran/



SKILLS

- Autodesk Revit MEP
- Autodesk AutoCAD
- Autodesk Navisworks
- Dial LUX – Lighting
- Oracle ACONEX – Document Control
- Bentley Comply Pro – Validation
- PLC & SCADA – Automation Programming
- Microsoft Office 365

EDUCATION

Bachelor of Electrical & Electronic Engineering

MAJOR PROJECTS

- L01 – Al Yamamah Project, Riyadh, KSA
- Riyadh Metro Project Line 4, 5 & 6 Fast Consortium, KSA
- Ministry of Higher Education – Faculty of Education & Hostel Building, Riyadh
- National Guard Health Affairs Specialized Hospital, Riyadh, KSA
- Saudi Civil Aviation Academy, Jeddah, KSA
- Residential High Rise Buildings, Hyderabad, India

LANGUAGES

- English
- Arabic
- Hindi / Urdu

OBJECTIVE

Accomplished Project BIM Coordinator with 10+ years of expertise in BIM MEP. Strong understanding of coordinating Revit with other disciplines and leading Design Reviewing and Technical Departments for reputable Construction Companies in the Middle East and India. Ability to handle projects effectively, excel at leading and mentoring cohesive teams, and drive performance through constructive feedback, project management, and knowledge sharing.

EXPERIENCE

Project BIM Coordinator

Technical Xperts Group (TXG) | Saudi Arabia

2021 – Present

- Preparing ELV technical designs (D04), shop drawings (D05) & As-built (D06) layouts, schematics, schedules, single line diagrams, and specifications per project codes and best practices.
- Collaboration with architects, structural engineers, and contractors for coordination and integration of ELV with other building components.
- Attending project meetings and ID coordination workshops, providing technical solutions and coordinating with other disciplines.
- Plan, implement, assign tasks, and execute BIM requirements per BEP; lead team and provide technical support with final QA/QC check.
- Provide independent technical oversight of contractor build activities and proactively report discrepancies and non-compliance.
- Technical review and surveillance of design and shop drawings at 30%, 60%, 90%, and final design stages.

Electrical Engineer

SENER Ingenieria Y Sistemas | Bilbao, Spain

2019 – 2021

Electrical Engineer

AFRAS Trading & Contracting Company | Riyadh, KSA

2015 – 2019

Electrical Design Engineer

High Light Electrical Constructions Company | Hyderabad, India

2013 – 2015

PROJECTS

L01 Al Yamamah Project – Project BIM Coordinator – Riyadh

BIM coordination and ELV design across all stages for large-scale mixed-use development in Riyadh.

Riyadh Metro Lines 4, 5 & 6 – BIM MEP – Fast Consortium, KSA

Electrical and BIM coordination for Riyadh Metro fast track consortium, ensuring compliance and timely deliverables.

KAFD – Project BIM Coordinator

Coordinated multidisciplinary MEP BIM models for KAFD high-rise towers and Riyadh Metro infrastructure projects.

Performed clash detection, coordinated design reviews, and ensured compliance with BIM Execution Plans (BEP) and project standards.

Facilitated collaboration among architectural, structural, and MEP teams to resolve design conflicts.

Tadawul Project – Project BIM Coordinator

Managed MEP model coordination and collaborated with project stakeholders to resolve design conflicts.

Performed quality assurance and quality control (QA/QC) of BIM models and coordinated deliverables.

Supported the production of coordinated construction models, shop drawings, and project documentation.

BIJAY SUMAN KHATUA

BIM Coordinator

Saudi Arabia

+966 559139596

b.suman@txgksa.com

linkedin.com/in/bijay-sumankhatua-47544a147



SKILLS

- AutoCAD
- Autodesk Revit
- Autodesk Navisworks
- Autodesk Recap
- COBie
- BIM Interoperability Tools
- Autodesk Vault Professional
- Microsoft 365
- Accronex | RF Tool

EDUCATION

B.E. – AE&I (First Class)
BPUT, Odisha

Diploma – AE&I (First Class)
SCTE&VT, Odisha

MAJOR PROJECTS

- King Abdullah Financial District (KSA)
- Lusail Commercial Boulevard (Qatar)
- QIN Hotel, Lusail City (Qatar)
- Water Park, Lusail City (Qatar)
- Seef Lusail Tower (Qatar)
- Ahmed Bin Ali Stadium, Al Rayyan (Qatar)
- Riyadh City Centre Mall (KSA)
- Al Rayyan Al Qadeem (Qatar)
- Redline Metro Phase 1, Qatar Rail
- Goldline Underground Metro (Qatar)

OBJECTIVE

BIM Coordinator and Team Lead with 9+ years of experience in BIM & design, including MEP design engineering, 3D modelling, 4D/5D coordination, and as-built documentation for high-rise buildings, commercial developments, and metro rail infrastructure. Proven track record delivering complex multidisciplinary projects across the Middle East, India, and Singapore.

EXPERIENCE

BIM Coordinator

Technical Xperts Group (TXG), Saudi Arabia

2023 – Present

BIM Coordinator

Redco Al-Mana Constructions, Qatar

2020 – 2022

BIM Coordinator

Meinhardt Singapore Pvt. Ltd, Qatar / Singapore

2018 – 2020

Team Lead & MEP Modeler

ALYSJ JV (Gold Line Metro), Qatar

2016 – 2018

MEP Engineer

Ramtech Software Solutions Pvt. Ltd., Dubai / India

2014 – 2016

JOB RESPONSIBILITIES

- Converting design drawings into shop drawings from a BIM model via Revit.
- Coordinating between different disciplines to minimise clashes on site.
- Using simulation tools such as Navisworks to produce 4D simulations aligned with project schedules.
- Performing all Construction Documents: Working Drawings, Shop Drawings, BOQ, Specifications.
- Preparing BIM workflow and manpower structure reports.
- Preparing BEP for Construction stage and As-Built stage.
- Adding COBie data and clash detection parameters for all model elements as per requirements.

PROJECTS

KAFD – King Abdullah Financial District – BIM Coordination – KSA

Full multidisciplinary BIM coordination for high-rise towers at KAFD Riyadh, including 4D simulation, clash detection, and COBie data integration.

Qatar Rail – Goldline & Redline Metro – BIM Modelling & MEP Design

Team lead and BIM modeller for metro station as-built, 3D modelling, and MEP coordination across multiple Qatar Rail packages.

NEOM Bay Airport – BIM Coordination – KSA

Coordinated LOD 400/500 MEP BIM models for airport infrastructure projects.

Managed model coordination meetings, clash resolution, and model quality checks to support construction and project delivery.

Assisted in preparing coordinated models for construction and as-built documentation.

Kingdom Tower – BIM Coordination – KSA

Coordinated MEP BIM models and ensured seamless integration with architectural and structural disciplines.

Conducted clash detection using Autodesk Navisworks and supported model validation throughout the project lifecycle. Ensured compliance with project BIM standards and client requirements.

L01 Project – BIM Coordination – KSA

Coordinated MEP models and maintained BIM standards across project deliverables.

Supported interdisciplinary coordination, issue tracking, and model reviews to improve construction efficiency.

Assisted in preparing coordinated shop drawing models and construction documentation.

Tadawul Project – BIM Coordination – KSA

Managed MEP model coordination and collaborated with project stakeholders to resolve design conflicts.

Performed quality assurance and quality control (QA/QC) of BIM models and coordinated deliverables.

Supported the production of coordinated construction models, shop drawings, and project documentation.

TXG
TECHNICAL EXPERTS GROUP

AROMAL SARASAN

BIM Coordinator

Riyadh, Saudi Arabia

+966 551791271

a.aromal@txgksa.com

linkedin.com/in/aromalsarasan



SKILLS

- BIM Coordination & Clash Detection
- Multidisciplinary Model Integration
- LOD 300 / 400 / 500 Modeling
- BIM Execution Plan (BEP)
- QA/QC & Model Audits
- Quantity Takeoff & BOQ
- COBie Data & Asset Information
- ISO 19650 Compliance

TOOLS

- Revit (Architecture, Structure, MEP)
- Navisworks Manage
- Dynamo | AutoCAD
- Enscape | DiRoots
- MS Excel, Word

EDUCATION

B.Tech Civil Engineering
University of Kerala, India

CERTIFICATIONS

- ISO 19650 – Asset Information Professional (AIP)
- ISO 19650 – Project Information Professional (PIP)
- Autodesk Certified Professional – Revit Architecture
- Autodesk Certified Professional – Revit MEP
- Masters Diploma in Autodesk Software (BIM)
- Member, Saudi Council of Engineers (SCE)

LANGUAGES

- English
- Hindi
- Malayalam
- Tamil

OBJECTIVE

BIM Coordinator with 10+ years of experience delivering multidisciplinary BIM models for large-scale hospitality, healthcare, commercial, and infrastructure projects across Saudi Arabia. Autodesk Certified Professional with expertise in LOD 300–500, ISO 19650 compliance, BIM Execution Plans (BEP), clash detection, COBie implementation, and QA/QC audits. Proven ability to coordinate Architecture, Structure, and MEP teams and support successful design-to-construction workflows on complex projects.

EXPERIENCE

BIM Coordinator

Technical Xperts Group (TXG), Saudi Arabia

January 2024 – Present

- Coordinated multidisciplinary BIM models (Architecture, Structure, MEP) up to LOD 400/500 in compliance with ISO 19650 standards.
- Prepared and reviewed BIM Execution Plans (BEP), scope analysis, clash matrices, and submission reports for client approvals.
- Led clash detection and coordination meetings using Navisworks, resolving design conflicts prior to construction.
- Conducted QA/QC audits on BIM models; implemented COBie standards and prepared COBie spreadsheets for asset information handover.
- Generated BOQs, schedules, and quantity takeoffs directly from BIM models.
- Supported and trained team members on Revit workflows, add-ins, and best practices.

Architecture BIM Specialist

East Consulting Engineering Center (ECEC), Saudi Arabia

April 2022 – January 2024

- Developed Architecture and Interior BIM models up to LOD 300 for large-scale commercial and healthcare projects.
- Created and managed Revit families, view templates, and BIM content libraries.
- Reviewed BIM models against BEP, client standards, and design specifications.
- Coordinated Architecture models with Structure & MEP using Navisworks and Enscape.

BIM Modeler

Shapoorji Pallonji Mid East LLC, Saudi Arabia

September 2018 – September 2021

- Developed multidisciplinary BIM models (Architecture, Structure, MEP) up to LOD 400 in compliance with project BIM standards.
- Prepared shop drawings, detailed construction drawings, and schedules directly from BIM models.
- Reviewed and revised IFC models; resolved design discrepancies through collaboration with engineers and site teams.

Junior CAD Operator

Omnix International, UAE

March 2017 – May 2018

- Prepared interior design shop drawings for commercial and office spaces.
- Coordinated drawings with Structural and MEP teams to ensure clash-free documentation.

PROJECTS

NEOM Bay Airport – Major Infrastructure

Collaborated on NEOM Bay Airport, delivering high-quality MEP models to support construction and coordination workflows.

Sports Boulevard, Riyadh – Public Infrastructure

Contributed to Sports Boulevard project, ensuring effective integration of mechanical systems through BIM.

L01 Al-Yamamah Project – Residential / Mixed-Use

Coordinated MEP models and maintained BIM standards across project deliverables.

Supported interdisciplinary coordination, issue tracking, and model reviews to improve construction efficiency.

Assisted in preparing coordinated shop drawing models and construction documentation.

Kingdom Tower – BIM Coordination – KSA

Coordinated MEP BIM models and ensured seamless integration with architectural and structural disciplines.

Conducted clash detection using Autodesk Navisworks and supported model validation throughout the project lifecycle.

Ensured compliance with project BIM standards and client requirements.

GOKUL SIVADAS

BIM Modeler – Mechanical

Saudi Arabia
+966 561257108
gokul@txgksa.com



SKILLS

- Autodesk Revit
- AutoCAD
- Navisworks Manage
- Autodesk Construction Cloud / BIM 360
- Family Creation
- Quantity Take-Off & BIM-based Estimation
- As-Built & Shop Drawings
- Microsoft Office
- Team Collaboration & Communication
- Problem Solving & Time Management

EDUCATION

B.E. – Mechanical Engineering

TRAINING

- AutoCAD Training
- Revit Architecture
- Revit MEP 2014
- ISO Awareness (Sep. 2005)

LANGUAGES

- English
- Malayalam

PERSONAL INFO

Nationality: Indian
Date of Birth: 19 May 1994
Marital Status: Single
Passport No.: AI869282
Languages: English, Malayalam, Hindi, Tamil

OBJECTIVE

BIM Modeler – Mechanical with 6+ years of experience in the creation of detailed technical drawings, MEP coordination, and project management support across large-scale KSA projects. Proficient in Revit, AutoCAD, and Navisworks. Skilled in As-Built and shop drawing preparation, wet utility systems, and BIM-based estimation. Currently with Technical Xperts Group (TXG) in Riyadh.

EXPERIENCE

BIM Modeler – Mechanical / Project Coordinator

Technical Xperts Group (TXG) | Saudi Arabia

February 2019 – Present

- Project Coordinator at ADF Project, Riyadh, KSA.
- BIM Modeler at L01-Yamamah Project, Riyadh, KSA.
- Created detailed technical drawings and plans using AutoCAD for various engineering projects.
- Collaborated with engineers and architects to interpret design specifications and convert to accurate CAD drawings.
- Converted survey data into CAD drawings including topographic maps and utility layouts.
- Prepared As-Built Drawings and Shop Drawings; created civil, mechanical, and infrastructure layouts.
- Worked on wet utility systems including drainage, sewage, firefighting, and water supply.
- Coordinated MEP designs and determined methods of presentation to graphically represent building plans.
- Maintained project drawing records and ensured timely delivery of all deliverables.

Junior Project Engineer

Excel Altech Private Limited | India

May 2017 – May 2018

- Designed residential and commercial layouts; coordinated design documentation with consultants.
- Prepared utility layouts and detailed section drawings; coordinated with engineers and surveyors.
- Reviewed engineering drawings, specifications, and BOQs to support project planning and implementation.
- Prepared daily, weekly, and monthly project progress reports and maintained project documentation.
- Monitored site activities to ensure compliance with project specifications, quality standards, and safety regulations.
- Assisted in quantity take-offs, material estimation, procurement coordination, and inventory management.

PROJECTS

L01 – Al Yamamah Project – BIM Modeler – Riyadh, KSA

MEP BIM modelling and coordination for large-scale residential/mixed-use project in Riyadh under TXG.

ADF Project – Project Coordinator – Riyadh, KSA

Project coordination including drawing management, consultant liaison, and delivery tracking across KSA project portfolio.

KAFD & Riyadh Metro – BIM Modeler

Developed and maintained detailed Mechanical BIM models using Autodesk Revit in accordance with project standards.

Kingdom Tower – BIM Modeler

Prepared detailed Mechanical BIM models for HVAC and plumbing systems using Autodesk Revit.

Coordinated mechanical services with architectural, structural, and other MEP disciplines.

TXG
TECHNICAL EXPERTS GROUP

MOHAMED SALEEM JAVED THARAYIL

Senior BIM Modeler

Riyadh, Saudi Arabia
+966 533583142
javed@txgksa.in



SKILLS

- Autodesk Revit MEP
- AutoCAD
- Navisworks Manage
- Family Creation
- Quantity Take-Off & BIM-based Estimation
- BIM 360 / Autodesk Construction Cloud
- Photoshop | SketchUp | Lumion
- Team Collaboration & Communication
- Problem Solving & Time Management
- Industry Standards Compliance

EDUCATION

Draughtsman – Civil (AutoCAD)
P.M.S.A. Industrial Training Center
Kerala, India | 1999

PERSONAL INFO

Nationality: Indian
Gender: Male
Marital Status: Married
Passport No: T9886613

LANGUAGES

- English
- Hindi
- Malayalam
- Tamil
- Arabic

OBJECTIVE

Detail-oriented MEP Draftsman/BIM Modeler with 22+ years of experience developing and coordinating BIM for mechanical systems across residential, commercial, and industrial projects. Proficient in Revit, AutoCAD, Navisworks, and other BIM tools. Adept at creating accurate 3D models, performing clash detection, and collaborating with multidisciplinary teams to ensure design accuracy and project efficiency.

EXPERIENCE

BIM Modeler

Technical Xperts Group (TXG) | Saudi Arabia

July 2018 – Present

- Develop and maintain accurate 3D BIM models of mechanical systems (HVAC, plumbing, fire protection) using Revit MEP.
- Perform clash detection using Navisworks and coordinate with architectural, structural, and electrical disciplines.
- Generate shop drawings, spool drawings, and installation details from BIM models for fabrication and on-site execution.
- Support BIM coordination process through regular coordination meetings and model reviews.
- Export model data for quantity take-offs (QTO) and support cost estimation activities.
- Maintain document management and version control using BIM 360 and Autodesk Construction Cloud.

Key Projects: JCDC Stadium Project, Jeddah | Yamama Palace (L01), Riyadh | Samsung Modular Factory – Oxagon by NEOM | KAFD, Riyadh | Ad Diriyah Farm Project, Riyadh

Structural & Mechanical Draftsman

Al Shimookh Trading EST | Jeddah, Saudi Arabia

June 2003 – June 2018

- Ensured drawings adhered to project requirements, industry standards, and regulations.
- Collaborated with design teams to resolve design issues and incorporate changes.
- Maintained drawing files and documentation, ensuring accuracy and organization.
- Assisted in preparing material take-offs and quantity estimates.

Key Projects: Special Security Battalion (Site 3), KSA – National Guard

AutoCAD Operator

Safe Builders Pvt. Ltd | India

May 2001 – July 2003

- Prepared architectural and structural shop drawings for private villas and commercial buildings.
- Made design changes per site requirements and created as-built drawings for consultant approval.

AutoCAD Operator

Village Development Projects | India

July 1999 – April 2001

- Independently prepared architectural and structural shop drawings for village development projects.

PROJECTS

KAFD & JCDC Stadium – MEP BIM – Saudi Arabia

BIM modeling and MEP coordination for King Abdullah Financial District and JCDC Stadium project in Jeddah.

Samsung Modular Factory – NEOM Oxagon – Mega Infrastructure – KSA

BIM modeling for Samsung's modular factory at Oxagon, NEOM, ensuring MEP coordination and standards compliance.

L01 Project – BIM Modeler

Developed coordinated Mechanical BIM models in compliance with project BIM standards.

Prepared shop drawings, equipment layouts, schedules, and quantity take-offs.

Collaborated with multidisciplinary teams to ensure accurate and coordinated project deliverables.

Tadawul – BIM Modeler

Created and maintained Mechanical BIM models for commercial building services using Autodesk Revit.

Coordinated MEP systems with architectural and structural models to improve constructability.

Conducted QA/QC reviews of BIM models and ensured compliance with project standards.

MOHAMMED ADNAN HUSSAIN

BIM Engineer

Riyadh, Saudi Arabia
057 959 7293
hussain@txgksa.com



SKILLS

- BIM Modeling & MEP Coordination (LOD 300–400)
- HVAC System Design & Heat Load Calculations
- Chilled Water Systems & Air Distribution
- Firefighting System Design (Sprinkler & Piping)
- Parking Ventilation (Ducted & Jet Fan Systems)
- Navisworks Clash Detection
- BOQ, Quantity Take-Off & Cost Estimation
- Value Engineering & Constructability Review
- RFI Management & Technical Coordination
- ASHRAE, SMACNA, NFPA & SBC Compliance

SOFTWARE

Autodesk Revit
Navisworks Manage
AutoCAD
HAP 6.2 – HVAC Load Calculations
McQuay Duct Sizer
Toshiba SMMS-SHRM – VRF Design
Microsoft Office Suite

EDUCATION

B.E. – Mechanical Engineering
JNTU Hyderabad, India

CERTIFICATIONS

- HVAC Design & Revit MEP – Delta T Academy
- BIM Modeling & Coordination – LOD 300–400
- HVAC Codes & Standards – ASHRAE, NFPA

PERSONAL INFO

Gender: Male | Nationality: Indian
Marital Status: Single | Religion: Islam
Languages: English (Fluent), Hindi/Urdu (Native)

OBJECTIVE

Mechanical Engineer with 3+ years of experience in BIM modeling, HVAC design, MEP estimation, and site coordination across high-value residential, commercial, and mixed-use developments in Saudi Arabia. Skilled in BIM-based coordination using Autodesk Revit and advanced clash detection through Navisworks. Strong expertise in HVAC system design, chilled water systems, firefighting networks, and BOQ preparation. Well-versed in ASHRAE, SMACNA, NFPA, and Saudi Building Code.

EXPERIENCE

BIM Engineer

Technical Xperts Group (TXG) | Saudi Arabia

June 2026 – Present

- Develop and maintain 3D BIM models for architectural, structural, and MEP disciplines.
- Prepare detailed construction drawings, shop drawings, and fabrication drawings from BIM models.
- Coordinate BIM models among different disciplines to identify and resolve clashes.
- Perform clash detection using BIM coordination software and support issue resolution.
- Ensure BIM models comply with project requirements, client standards, and company BIM execution plans.
- Update BIM models based on design revisions and site changes.

Mechanical BIM Modeler

Capstone Technologies | Saudi Arabia

January 2026 – Present

- Developing detailed BIM models for HVAC, chilled water, plumbing, drainage, and firefighting systems using Autodesk Revit.
- Contributing to the Diriyah Project with accurate and coordinated MEP modelling.
- Performing clash detection and coordination using Navisworks Manage, resolving multidisciplinary conflicts.
- Leading MEP coordination efforts with architects, structural, and electrical teams for clash-free designs.
- Assisting in quantity take-offs, material coordination, and preparation of as-built documentation.

Key Projects: Diriyah Development Project – Mega Mixed-Use | Mall Expansion Project – Commercial HVAC

MEP Design Engineer

RC Engineering | Saudi Arabia

March 2025 – January 2026

- Developed detailed HVAC, firefighting, and mechanical system designs per project requirements.
- Performed heat load, ventilation, and equipment selection per international standards.
- Reviewed and updated BOQs, specifications, material submittals, and technical data sheets.
- Coordinated with electrical and civil teams for seamless MEP integration.

HVAC Site & Design Engineer

F4 Engineering Construction & Services

February 2023 – October 2024

- Supervised installation and commissioning of HVAC systems including ducting, VRF, and FCU units.
- Executed nitrogen pressure testing, vacuuming, leak detection, and refrigerant charging.
- Coordinated with contractors, consultants, and subcontractors for smooth project execution.

HVAC Design Engineer & MEP Modeler

Delta T MEP Technical Academy

September 2021 – December 2022

- Designed HVAC systems including zoning, duct layouts, and equipment selection for commercial/residential projects.
- Developed coordinated 3D MEP models using Revit MEP including ducting, piping, and HVAC equipment.
- Extracted quantities and BOQs directly from Revit models for accurate estimation and project costing.

PROJECTS

Diriyah Development Project – Mega Mixed-Use – Saudi Arabia

BIM modeling and MEP coordination for mechanical systems; clash resolution and shop drawing preparation for large-scale mixed-use development.

AIG Hospital – Healthcare MEP Design

MEP design, drafting, and cleanroom design for healthcare facility project.



SANOOP AK

BIM Engineer

Riyadh, KSA
+966 593910630 | +919895370697
sanoop@txgksa.com

**SOFTWARE SKILLS**

- Revit MEP
- Di Root
- Navisworks
- AutoCAD
- BIM 360
- Blue Beam
- Dynamo

EDUCATION

Diploma in Mechanical Engineering
SSM Polytechnic College, Tirur
Aggregate: 70%

PROJECT TYPES

- Multi-Storey Residential & Commercial
- Fab Building
- Warehouses
- Multi-Specialty Hospital
- Food Production Factory
- Pharma Project
- Sewage Treatment Plant

LANGUAGES

- English (Speak, Read, Write)
- Hindi

PASSPORT

Passport No: V2207373
Issued: Malappuram
Issue: 02-02-2021 | Expiry: 01-09-2031

OBJECTIVE

BIM Professional with 7 years of extensive experience in the BIM industry. Proficient in Revit MEP and actively involved in developing and managing BIM models at various Levels of Development (LOD 100 to LOD 500). Experienced in MEP system design, CAFM integration, clash detection, fire protection, plumbing, and ducting design, while ensuring compliance with project requirements and industry standards.

EXPERIENCE**BIM Engineer**

TXG Saudi Arabia – KAHD, JLL | Riyadh, KSA

December 2022 – Present

- Independently managing MEP BIM deliverables for multiple projects.
- Reviewing contractor submissions and approving MEP BIM shop drawings.
- Conducting on-site inspections to validate BIM models against real-world conditions.
- Managing document control for BIM submissions and model revisions.
- WIR updating, coordination, and maintaining logs of WIR status and approvals.
- Integration of BIM models with CAFM software for facility management and asset lifecycle planning.
- Running clash detection in Navisworks and generating reports per BEP.
- COBie implementation and integration of Asset Data into BIM models.

Key Projects: AL Yamamah Palace – Riyadh KSA | KAHD – Riyadh KSA | Rosa Spa Al-Diryah Farm – Riyadh KSA | Al Moosa Speciality Hospital – Al Ahsa KSA | King Abdul Azeez International Airport – Jeddah

CAD Designer / BIM MEP Designer

EXYTE (M+W Group) Engineering Services | Hyderabad, India

April 2022 – September 2022

- 3D modeling and coordination of building services for Fab Building and pharma projects.
- Developed BIM models for Mechanical, Plumbing, and Fire Protection systems.

CAD Designer / BIM MEP Designer

CINQ Engineering | Dubai, UAE

December 2021 – March 2022

- Dubai Wastewater Management Center – MEP BIM modeling and coordination.

CAD Designer / BIM MEP Modeler

TXG India | Kerala

August 2018 – November 2021

- BIM MEP modelling for multi-specialty hospital, food production factory, and wastewater treatment plant projects.

CAD Draughtsman

ICAD KSA | Jeddah

April 2018 – July 2018

- Prepared CAD drawings for King Abdul Azeez International Airport project, Jeddah.

PROJECTS**KAHD – King Abdullah Financial District – BIM Engineer**

Full MEP BIM modelling and coordination for KAHD high-rise towers; CAFM integration and asset data management.

Al Moosa Speciality Hospital – MEP BIM

BIM modelling and fire protection, plumbing, and HVAC ducting design for large multi-specialty hospital facility.

Tadawul – BIM Engineer

Developed and coordinated MEP BIM models for commercial building services using Autodesk Revit.

L01 Project – BIM Engineer

Created coordinated MEP BIM models based on design drawings and engineering specifications.

M. SHAHUL HAMEED BATHUSHA

Senior Mechanical Engineer / MEP Coordinator

Riyadh, KSA
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bathusha@txgksa.com



SKILLS

- HVAC System Design & Heat Load Calculations
- MEP Coordination
- Chilled Water & FCU/AHU/Chiller Systems
- Duct Design (Manual & McQuay Sizer)
- Fire Protection & Smoke Systems
- ESP & Pump Head Calculations
- Project Scheduling & Tracking
- RFI Preparation & Consultant Coordination
- Site Supervision & Commissioning
- Material Estimation & BOQ
- Carrier HAP (v4.61 & 4.9)
- McQuay Duct Sizer / Pipe Sizer

EDUCATION

M.Tech – Energy Engineering
National Institute of Technology,
Tiruchirappalli

Associate Member of Institute of Engineers (Mechanical)
Institution of Engineers, Calcutta, India

TRAINING

- Occupational Safety & Health as per ILO Guidelines (NIST)

PERSONAL INFO

DOB: 15 March 1971 | Male
Married | Indian
Passport No: L2261960

OBJECTIVE

Competent MEP Coordinator / Mechanical Engineer with over 15 years of experience in project design, development, installation, commissioning, and maintenance of mechanical systems. Focused on economy, safety, reliability, quality, and sustainability across high-rise buildings, commercial buildings, and villa projects in the UAE and India.

EXPERIENCE

Senior Mechanical Engineer

TXG Saudi Arabia – | Riyadh, KSA

May 2022 – Present

- Coordinated authority inspections and attended meetings with consultants and clients.
- Reviewed design/shop drawings and ensured installation per approved drawings and materials.
- Coordinated with suppliers and subcontractors for site progress and material long-lead/short-lead items.

MEP Coordinator / Mechanical Engineer

Beaver Gulf Contracting LLC | Dubai, UAE

March 2017 – May 2021

- Coordinated authority inspections and attended meetings with consultants and clients.
- Reviewed design/shop drawings and ensured installation per approved drawings and materials.
- Coordinated with suppliers and subcontractors for site progress and material long-lead/short-lead items.
- Prepared progress reports and provided all support to site teams for execution.

Project Engineer

HITES | Jodhpur, India

May 2015 – February 2017

- Designed and installed HVAC systems and medical equipment for multi-storied hospital buildings.
- HVAC heat load calculations using Carrier HAP (v4.61 & 4.9) and E-20 manual calculation.
- Selected FCU, AHU, FAHU, Chiller, and fans; designed chilled water piping supply and return connections.

Mechanical Engineer

ETA Engineering | Chennai, India

April 2012 – April 2015

- Coordinated with multidisciplinary teams for smooth project completion and client handover.
- Prepared weekly/monthly summary sheets and close-out reports; raised RFIs for drawing issues.

Mechanical Engineer / Estimation Engineer

STS Electromechanical LLC | UAE

October 2008 – February 2012

- Estimated all mechanical items for centralised A/C systems and prepared quotations/documents.
- Managed supervisors, technicians, duct fabricators, fitters, and welders on-site.

Mechanical Engineer

HITES | Trivandrum, India

September 2000 – February 2008

- Hospital equipment and healthcare project execution including HVAC design and coordination.
- Prepared and monitored project schedules and shop drawing trackers for HVAC projects.

PROJECTS

Deira Waterfront Mixed-Use Development – MEP Coordinator – Dubai

Full MEP coordination for multi-building complex (residential, hotel, offices, car park) for Investment Corporation of Dubai.

AIIMS Jodhpur – Ministry of Health – Project Engineer – HVAC/Medical

L01 Al Yamamah Project – Project BIM Coordinator

Led BIM coordination activities for MEP and ELV disciplines across all project phases for a large-scale mixed-use development.

Riyadh Metro – Lines 4, 5 & 6 – Project BIM Coordinator

Managed Electrical and MEP BIM coordination for Riyadh Metro infrastructure packages under the FAST Consortium.

KAFD – Project BIM Coordinator

Coordinated multidisciplinary MEP BIM models for high-rise commercial towers and infrastructure developments.

TXG
TECHNICAL EXPERTS GROUP

PARTHA SARATHI P

Lidar Scanning Engineer

Riyadh, KSA
Mobile: 7540053660
sarathypnraj@txgksa.com



TECHNICAL SKILLS

- RTC 360 Laser Scanning
- Site Scanning & Documentation
- Drone Flying (Licensed Pilot)
- Basic Survey Knowledge
- Computer & Equipment Handling
- Site Documentation
- Point Cloud Data Collection
- 3D Scanning Operations

CERTIFICATION

Certified Drone Pilot

Trained in drone operation and safety procedures

EDUCATION

B.Sc – Catering & Hotel Administration

Bell Institute of Hotel Management and Catering Technology, Sivakasi

LANGUAGES

- English
- Tamil
- Telugu

PERSONAL DETAILS

Father's Name: Ponraj R
Date of Birth: 10 June 2000
Nationality: Indian
Marital Status: Single

OBJECTIVE

RTC 360 Scanning Engineer and Drone Pilot with 2 years of professional experience in 3D laser scanning and site documentation through on-site projects in Hyderabad. Seeking to apply technical knowledge in laser scanning, site documentation, and data collection while growing professionally within a reputable engineering organisation.

EXPERIENCE

Lidar Scanning Engineer

Technical Xperts Group (TXG) | Saudi Arabia

June 2026 – Present

- Plan and execute LiDAR scanning projects for buildings, infrastructure, industrial plants, roads, or land surveys.
- Set up, calibrate, and operate terrestrial, mobile, drone-based, or airborne LiDAR scanners.
- Perform site reconnaissance and establish survey control points using GPS/GNSS and total stations.
- Capture high-quality point cloud data while ensuring complete coverage and accuracy.
- Process, register, and clean point cloud data using software such as Leica Cyclone, Faro Scene, Trimble RealWorks, or Autodesk ReCap.

RTC 360 Scanning Engineer

Site Projects | Hyderabad, India

2 Years of Professional Experience

- Operated Leica RTC 360 laser scanning equipment for site documentation and data collection.
- Conducted 3D site scanning across multiple on-site projects in Hyderabad.
- Managed site documentation workflows and ensured accurate data capture.
- Handled and maintained scanning equipment per operational and safety procedures.

Drone Pilot

Licensed Drone Operator

Certified – Trained in drone operation and safety

- Certified drone pilot trained in drone operation, safety procedures, and aerial data collection.
- Capable of supporting aerial survey and site documentation tasks.

TECHNICAL SKILLS DETAIL

RTC 360 Laser Scanning: Proficient in operating the Leica RTC 360 scanner for site documentation, 3D data capture, and as-built survey purposes across construction and infrastructure projects.

Drone Operations: Licensed and certified drone pilot with training in safe drone operations, flight planning, and aerial data collection for survey and documentation support.

PROJECTS

Site Documentation Projects – RTC 360 Scanning – Hyderabad, India

3D laser scanning and site documentation across multiple construction projects in Hyderabad over 2 years of professional experience.

MOHAMED AFZAL M

Lidar Scanning Engineer

Riyadh, Saudi Arabia
+971 588779934
mohamedafzal.m@txgksa.com



SKILLS

- AutoCAD
- Revit (Architecture, Structure & MEP)
- Navisworks
- Microsoft Office (Word, Excel, PowerPoint)
- QA/QC Reporting
- Material Inspection & Testing
- Site Supervision & Coordination
- DPR Preparation
- Method Statements & ITPs

EDUCATION

MBA – Logistics Management
Alagappa University, Tamil Nadu
May 2024 – Present (Part-time)

B.E. – Civil Engineering
National Engineering College, Tamil Nadu
June 2017 – August 2021 | CGPA: 8.28

CERTIFICATION

- BIM Certificate – AutoCAD, Revit (Architecture, Structure & MEP) and Navisworks

LANGUAGES

- English
- Tamil
- Hindi

OBJECTIVE

Enthusiastic and detail-orientated Civil Engineer with hands-on experience in construction, supervision, and project coordination in residential and infrastructure projects. Skilled in AutoCAD, Revit (Architecture, Structure & MEP), and Navisworks, with strong knowledge of site execution and DPR preparation. Adept at ensuring safety, quality, and timely project delivery. Currently seeking a position in the Gulf region to contribute technical expertise and grow within a reputable organisation.

TECHNICAL SKILLS

- **Software:** AutoCAD, Revit (Architecture, Structure & MEP), Navisworks, Microsoft Office (Word, Excel, PowerPoint)
- **Quality Control & Assurance:** Inspection of civil works (Formwork, Reinforcement, Concrete, Finishing) | Material testing and verification | Reviewing Method Statements, ITPs, and Checklists | Preparation of QA/QC reports
- **Core Competencies:** Site Quality Supervision, Inspection Coordination, Project Quality Compliance, Technical Communication & Team Collaboration

EXPERIENCE

Lidar Scanning Engineer
Technical Xperts Group (TXG) | Saudi Arabia

Oct 2025 – Present

- Plan and execute LiDAR scanning projects for buildings, infrastructure, industrial plants, roads, or land surveys.
- Set up, calibrate, and operate terrestrial, mobile, drone-based, or airborne LiDAR scanners.
- Perform site reconnaissance and establish survey control points using GPS/GNSS and total stations.
- Capture high-quality point cloud data while ensuring complete coverage and accuracy.

QA/QC Civil Engineer
CloudLine Construction Pvt. Ltd – Tamil Nadu, India
Client: Viswash Promoters, Madurai | Project: Residential Villas – 60 Nos (G+1, 1200 sq. ft each)
June 2022 – January 2024

- Assisted in inspection of civil works including formwork, reinforcement, concreting, and finishing as per approved drawings and standards.
- Monitored material quality and verified compliance with project specifications and IS codes.
- Prepared daily inspection reports and supported documentation for QA/QC activities.
- Coordinated with site engineers and subcontractors to ensure quality and timely completion of works.
- Assisted in preparing Material Inspection Reports (MIR) and maintaining test records.
- Supported senior QA/QC engineers during site inspections and final handover documentation.

Site Engineer
Noble Builders & Developers – Tamil Nadu, India

September 2021 – April 2022

- Assisted in preparing and submitting Daily Progress Reports (DPRs) on work progress and productivity.
- Supported on-site supervision to ensure works were carried out as per drawings and construction standards.
- Coordinated with design teams for structural detailing and layout planning.
- Assisted in inspection and quality verification of materials and site activities.
- Helped in material estimation and quantity take-offs for ongoing works.
- Supported the Project Manager in tracking project milestones and preparing progress updates.

PROJECTS

Residential Villas Project – QA/QC – Tamil Nadu
60 nos. G+1 villas (1,200 sq. ft. each) for Viswash Promoters, Madurai. Managed inspection of civil works, material compliance, MIR preparation, and QA/QC documentation throughout project lifecycle.
KAFD – High Rise Tower – BIM & Mechanical
Led BIM coordination and mechanical system integration for high-rise commercial towers at King Abdullah Financial District, Riyadh.



AJESH LOHI KV

Scanning Engineer

Saudi Arabia
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l.ajesh@txgksa.com



SKILLS

- Mechanical Systems Supervision
- Laser Scanning & Surveying (Leica RTC360, Trimble X7 & X9)
- Point Cloud Software (Leica Cyclone, Trimble RealWorks, Recap)
- BIM Coordination & Clash Detection
- HVAC, Piping, Plumbing & Firefighting Systems
- QA/QC (ISO & ASME Standards)
- Project Scheduling & Progress Monitoring
- Microsoft Office Suite

CORE COMPETENCIES

- Site Planning & Resource Management
- Team Leadership & Labour Allocation
- Technical Problem Solving
- Client & Consultant Coordination
- Regulatory Compliance & Safety
- Documentation & Reporting

EDUCATION

B.Tech – Mechanical Engineering
2018

Diploma – QA/QC, Oil & Gas Welding Technology
TÜV Rheinland Certified

CERTIFICATIONS

- NDT Level II – UT, MPT, LPT, RT (ASNT-SNT-TC-1A)
- BOSIET – Offshore Safety Induction
- STCW-10 – Safety Training Certification
- MEP – Mechanical, Electrical, Plumbing Systems

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Arabic (Basic)
- Malayalam (Native)

PERSONAL INFO

Nationality: Indian
DOB: 12 March 1996
Marital Status: Married

OBJECTIVE

Mechanical Engineer with 5+ years of experience in mechanical system design, including HVAC, piping, plumbing, and firefighting systems, across commercial, residential, and industrial projects. Proficient in BIM, coordination, and clash detection. Experienced in mechanical surveying using advanced laser scanning technologies (Leica RTC360, Trimble X7 & X9) to generate accurate as-built documentation. Strong background in QA/QC processes, ensuring adherence to ISO and ASME standards.

EXPERIENCE

Mechanical Engineer

Technical Xperts Group (TXG) | KAFD, Saudi Arabia

January 2022 – Present

- Coordinated with external survey service providers to define technical specifications and ensure accurate field survey execution.
- Managed site activities by aligning client requirements with design deliverables and providing continuous feedback to design team.
- Conducted 3D laser scanning and field surveys using Leica RTC360, Trimble X7 and Trimble X9.
- Processed and registered point cloud data to generate RCP, LGS, and E57 files as per client specifications.
- Performed pre-screed scanning of MEP services to validate installation accuracy and prevent rework.
- Submitted scan deliverables through Autodesk Construction Cloud (ACC) in compliance with project workflows.
- Conducted floor flatness analysis and generated deviation reports for QA/QC compliance.

Key Projects: KAFD Riyadh – BIM coordination & mechanical system integration | Digital City Riyadh – HVAC retrofitting & mechanical surveys | Obhur Entertainment Complex Jeddah – MEP as-built surveys & QA/QC | Jeddah Opera House – LiDAR scanning for MEP systems

Mechanical Engineer

Dhamodharte International Pvt Ltd | Mumbai, India

September 2019 – December 2021

- Provided technical support to senior management and project teams to ensure quality objectives within deadlines.
- Planned and monitored daily, weekly, and monthly erection activities to maintain project schedules.
- Maintained detailed records of purging activities, periodic inspections, and testing of pressure vessels.
- Oversaw piping fabrication and erection, ensuring proper alignment, fit-up, and mechanical clearance.
- Identified material constraints, raised RFIs, and coordinated with multiple departments to resolve issues.
- Implemented safety standards in design review and material take-off (MTO) activities.

PROJECTS

KAFD – High Rise Tower – BIM & Mechanical

Led BIM coordination and mechanical system integration for high-rise commercial towers at King Abdullah Financial District, Riyadh.

Digital City Riyadh – HVAC Retrofitting & Survey

Supervised HVAC system retrofitting and mechanical surveys using Leica RTC360, Trimble X7 & X9.

Jeddah Opera House – LiDAR Scanning

Managed LiDAR scanning activities for MEP systems, ensuring high-precision data acquisition and quality standards.

Kingdom Tower – LiDAR Scanning

Managed LiDAR scanning activities for MEP systems, ensuring high-precision data acquisition and quality standards.

L01 – LiDAR Scanning

Conducted terrestrial laser scanning and point cloud data collection and Supported BIM model creation and verification through accurate site measurements.

Tadawul – LiDAR Scanning

Ensured high-quality data acquisition for BIM modeling, coordination, and asset documentation.

MOHAMED RIFAD V

Asset Tagging Supervisor

Riyadh, Saudi Arabia
+91 8111898005
rifadv@txgksa.com



SKILLS

- Electrical Wiring
- Leadership
- Coordination
- Teamwork
- Equipment Handling
- Site Safety

EDUCATION

SSLC [CBSE]

MET Tirur Central School, Tirur,
Malappuram, Kerala | 2018

+2 (Higher Secondary)

Fathimamatha Higher Secondary School,
Tirur, Malappuram, Kerala | 2018–2020

ITI – NCVT [Electrician]

SSM ITI, Malappuram, Kerala | 2020–2022

Diploma [EEE]

SSM Polytechnic College, Tirur,
Malappuram, Kerala | 2023–2025

LANGUAGES

- English
- Hindi
- Malayalam
- Tamil

ADDITIONAL INFO

Wireman Permit License

OBJECTIVE

Dedicated and motivated Electrical Technician / Wireman seeking to join a progressive organization that provides scope to apply and develop technical knowledge in electrical systems and wiring. Eager to contribute to team success and grow professionally within a dynamic working environment. Holder of a Wireman Permit License with hands-on experience in industrial and commercial electrical works.

EXPERIENCE

Asset Tagging Technician

Technical Xperts Group (TXG) | Saudi Arabia

June 2026 – Present

- Install asset tags, barcode labels, or RFID tags on equipment, furniture, IT assets, and other company property.
- Conduct physical verification of assets and compare them with the asset register.
- Record asset information such as serial numbers, model numbers, location, condition, and owner.
- Use handheld barcode/RFID scanners and mobile devices to collect asset data.
- Update asset management databases or Computerized Maintenance Management Systems (CMMS).
- Perform inventory counts and periodic asset audits.

Wireman

Prabha Enterprises L.T.D | Kozhikode, Kerala

2022 – 2023

- Performed electrical wiring installations for commercial and industrial projects.
- Ensured safe and compliant electrical work as per site requirements and standards.
- Coordinated with site teams and supervisors for timely completion of electrical works.

Internship

TMR Division KSEB | Kannur, Kerala

2022

- Gained practical exposure to Kerala State Electricity Board operations and field electrical systems.
- Assisted technicians in maintenance, fault detection, and routine electrical works.

Industrial Training

Generation Division Kakkayam | Kerala

2024

- Industrial training at Generation Division, Kakkayam – gained hands-on experience in electrical power generation and distribution systems.
- Observed and assisted in operation, maintenance, and safety procedures for electrical generation equipment.

TECHNICAL SKILLS

Electrical Wiring: Proficient in domestic, commercial, and industrial electrical wiring installations, including conduit wiring, cable laying, and panel connections.

Tools & Equipment: Experienced in the use of standard electrical hand tools, testing meters (multimeter, clamp meter), and electrical measuring instruments.

Safety: Knowledgeable in electrical safety practices, proper use of PPE, and adherence to site safety standards.

PROJECTS

Prabha Enterprises – Commercial Wiring – Wireman – Kozhikode, Kerala

Electrical wiring and installation works for commercial projects under Prabha Enterprises Ltd, Kozhikode.

KSEB TMR Division – Field Internship – Internship – Kannur, Kerala

Practical internship at Kerala State Electricity Board's TMR Division – field electrical maintenance and operations exposure.

Generation Division Kakkayam – Industrial Training – Industrial Training – Kerala

Hands-on industrial training at Kakkayam Generation Division covering power generation systems, equipment operation, and safety procedures.

TXG
TECHNICAL EXPERTS GROUP

JOONY KHAN RAZA

Senior Store Keeper / Documents Controller

Riyadh, Saudi Arabia
+966 574526077
jkhan@txgksa.com



KEY SKILLS

- Inventory Management
- Maintain & Organise Stock Levels
- Perform Audits & Stock Rotation
- Dispose of Dead Stock
- Receiving & Inspection
- Warehouse Operations
- Safety & Cleanliness – Handle Equipment
- Stock Issue & Distribution
- Process Orders & Track Dispatches
- Document Transaction Records
- Excel-based Tool Tracking Logs

TECHNICAL TOOLS

Aconex | e-PROMIS | xpdion
MS Office (Excel, Word)
ICA (CIA+) Computer Account Certified

EDUCATION

Bachelor of Arts Degree
Hindu College Moradabad
M.J.P. Rohilkhand University, Bareilly

LANGUAGES

- Arabic
- English
- Urdu / Hindi

OBJECTIVE

Senior Store Keeper and Documents Controller with 13 years of Middle East experience across document control, MEP store management, and warehouse operations in KSA, UAE, and Qatar. Exceptional attention to detail, strong organisational abilities, and computer literacy for inventory systems. Effective communicator for coordinating with suppliers and departments, with sound knowledge of safety protocols to maintain a secure and efficient store environment.

EXPERIENCE

Documents Controller

Technical Xperts Group (TXG) | Riyadh, KSA

May 2022 – Present

- Managing document control processes using Aconex, e-PROMIS, and xpdion platforms.
- Maintaining accurate records of all project documentation, revisions, and submissions.
- Coordinating with project teams to ensure timely distribution and tracking of documents.
- Ensuring compliance with company document management standards and workflows.

MEP Store Keeper / Store Coordinator

Beaver Gulf Contracting LLC | Dubai, UAE

May 2019 – November 2021

- Managed MEP store operations including receiving, inspection, storage, and issuance of materials.
- Maintained stock levels, performed audits, and managed stock rotation for MEP materials.
- Processed orders, tracked dispatches, and documented all transactions accurately.
- Coordinated with procurement and site teams for smooth material flow.

Store Keeper / Store In-Charge

ETA Star Engineering & Contracting WLL | Doha, Qatar

October 2012 – March 2017

- Responsible for full store operations including receiving, organising, and issuing materials.
- Maintained proper records of tools and equipment in Excel logs.
- Ensured safety and cleanliness of the warehouse; handled and operated equipment.
- Disposed of dead stock per company guidelines and maintained accurate inventory.

Store Keeper

Dolphin Steel Contracting LLC | Dubai, UAE

May 2011 – July 2012

- Managed day-to-day store operations for steel contracting projects.
- Maintained inventory records and ensured timely issuance of materials to site teams.

PROJECTS

Document Control – TXG KSA – Documents Controller – Riyadh

Full document control for TXG project operations in KSA using Aconex and e-PROMIS platforms.

MEP Store – Beaver Gulf Contracting – Store Coordinator – Dubai

MEP materials store management for major construction projects across Dubai, UAE.

MUHAMMAD ASHIQUE

Senior Electrical Draughtsman

Olaya, Riyadh, Saudi Arabia

+966 503107150

m.ashique@txgksa.com



KEY SKILLS

- Electrical Shop Drawings
- Coordination Drawings
- Distribution Load Scheduling
- BMS & Access Control Layouts
- Low Current System Layouts
- AutoCAD Drafting
- Containment Design
- Technical Documentation
- Site Coordination

TECHNICAL SKILLS

MS Office: Word, Excel, PowerPoint
Design: AutoCAD | Civil 3D

EDUCATION

Diploma in Civil Draughtsmanship

State Board of Technical Education, Kerala
MES Private ITI Mundur, Palakkad

Higher Secondary

Board of Higher Secondary Education,
Kerala

SSLC

General Education Department, Kerala

PERSONAL DETAILS

DOB: 24 February 1993
Nationality: Indian | Married
Passport: V6449108
Driving: Indian & Saudi Arabia

LANGUAGES

- English – C2 Proficient
- Malayalam – C2 Proficient
- Hindi – B2 Upper Intermediate
- Tamil – B1 Intermediate
- Arabic – B1 Intermediate

OBJECTIVE

Detail-oriented Electrical Draughtsman with over 10 years of experience in electrical drafting, shop drawing, and coordination across commercial, industrial, and residential projects in Saudi Arabia and India. Holds a Diploma in Civil Draughtsmanship with AutoCAD certification. Proficient in preparing high-precision layouts for power, lighting, low-current, and containment systems.

EXPERIENCE

Senior Electrical Draughtsman

Technical Xperts Group (TXG) | Saudi Arabia

September 2019 – Present

- Drafted comprehensive underground electrical service layouts and grounding/lightning protection diagrams.
- Designed small/high-power and lighting distribution layouts and LV single-line diagrams.
- Prepared low-current system drawings including fire alarm, MATV, and data layouts.
- Drafted BMS, access control, and public address layouts.
- Created reflected ceiling and mechanical coordination drawings.
- Responded to consultant comments and submitted final as-built drawings.

Key Projects: Yamama Palace (L01), Riyadh | KAFD, Riyadh | Riyadh Metro Project | Rosa & Diriyah Farm Palace, Riyadh

Electrical Draughtsman

M/s Experience & Excellence for Contracting Co. | Saudi Arabia

January 2019 – September 2019

- Produced electrical layout drawings compliant with project standards.
- Developed LV, lighting, and containment diagrams for commercial projects.
- Reviewed architectural blueprints to align electrical sections and elevations.

Key Projects: King Abdullah Financial District (KAFD), Riyadh

Electrical Draughtsman

M/s Saudi Specialist Construction Ltd. | Riyadh, Saudi Arabia

July 2015 – December 2018

- Created shop drawings for underground and above-ground electrical systems.
- Produced data, voice, and MATV layout diagrams; delivered BMS and access control diagrams.
- Generated panel schedules and cable tray routing diagrams.

Key Projects: King Abdullah Ibn Abdulaziz Project – MOI KAP-2E & KAP-2D | ALWASEEL HILLS

Draughtsman

Allies Fire Systems Pvt. Ltd | Kerala, India

August 2014 – June 2015

- Designed fire-fighting system layouts for residential and commercial projects.
- Coordinated with MEP teams for conflict resolution and hydraulic calculations.

PROJECTS

KAFD – Electrical Drawing

Full electrical shop drawing preparation including LV, lighting, containment, BMS, and access control layouts for KAFD and Yamama Palace.

Riyadh Metro Project – Electrical Coordination

Comprehensive electrical coordination drawings and as-built documentation for Riyadh Metro project package.

L01 Project – Electrical Draftsman

Developed coordinated Mechanical BIM models in compliance with project BIM standards.

Prepared shop drawings, equipment layouts, schedules, and quantity take-offs.

Collaborated with multidisciplinary teams to ensure accurate and coordinated project deliverables.

Tadawul – Electrical Draftsman

Created and maintained Mechanical BIM models for commercial building services using Autodesk Revit.

Coordinated MEP systems with architectural and structural models to improve constructability.

Conducted QA/QC reviews of BIM models and ensured compliance with project standards.

TXG
TECHNICAL EXPERTS GROUP

TXG
TECHNICAL EXPERTS GROUP
DIGITAL DELIVERY PARTNER

RAJU FERNANDEZ

Electrical Supervisor

Riyadh, KSA

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f.raju@txgksa.com

**SKILLS**

- Cable Duct & Pipe Laying
- Conduit & Slab Marking
- Box Fixing & Wire Pulling
- DB Dressing & Panel Installation
- Cable Tray & Trunking Works
- Cable Termination
- Estimation & Quantity Surveying
- Site Planning & Labour Allocation
- Quality Control & Safety
- AutoCAD (Familiar)
- Microsoft Office

EDUCATION

Diploma in Electrical Engineering
EUNINOR Institute of Technology & Management

PERSONAL DETAILS

DOB: 15 January 1986
Nationality: Indian | Married
Passport No: H2590191
Permanent Address: Kannur, Kerala

LANGUAGES

- English
- Malayalam
- Tamil
- Hindi

OBJECTIVE

Experienced Electrical Supervisor with 11 years in the construction field, including 10 years of Gulf experience on high-value projects. Hands-on expertise from cable duct pipe laying and conduit installation through to panel termination, cable tray, and commissioning. Proven ability to plan and organise site facilities efficiently, supervise labour, and ensure quality and safety compliance throughout project delivery.

EXPERIENCE**Electrical Supervisor**

TXG Saudi Arabia – KAFD, JLL | Riyadh, KSA

May 2022 – Present

- Supervise electricians and electrical technicians on construction, maintenance, or industrial projects.
- Plan, assign, and monitor daily electrical work activities.
- Review electrical drawings, specifications, and work schedules before execution.
- Ensure electrical installations comply with project requirements, applicable codes, and safety regulations.
- Coordinate with engineers, contractors, and other disciplines to ensure smooth project execution.
- Monitor work progress and ensure activities are completed according to the project schedule.

Electrical Supervisor

Beaver Gulf Contracting LLC | Dubai, UAE

December 2018 – October 2021 | Project: IDC Plot 5 Deira Waterfront

- Supervised electrical works for G+15 Residential, G+6 Hotel, G+6 Multistoried Car Parking, and basement levels.
- Coordinated with consultants, subcontractors, and engineers on site activities.
- Oversaw quality control, safety compliance, and timely handover of completed works.

Electrical Supervisor

Beaver Gulf Contracting LLC | Dubai, UAE

January 2018 – December 2018 | Project: Ignite School, Al Warqa 3

Electrical Supervisor

Beaver Gulf Contracting LLC | Dubai, UAE

June 2017 – December 2017 | Project: ADNOC Petrol Pump, Umm Al Quwain

Electrical Supervisor

Beaver Gulf Contracting LLC | Dubai, UAE

January 2017 – June 2017 | Project: Town Square Construction of 320

Electrical Supervisor

AL ADRAK Trading & Contracting LLC | Oman

July 2015 – October 2016 | Project: Khatmat Milaha Border Post – Royal Oman Police

- Supervised all electrical works for border post facility for the Royal Oman Police.

Electrical Supervisor

ALADRAK Trading & Contracting LLC | Oman

July 2014 – July 2015 | Project: Special Task Force Complex, Liwa

Electrical Supervisor

CARILLION ALAWI LLC | Oman

June 2012 – April 2014 | Project: Royal Opera House Souq & Car Park

Electrical Supervisor

CARILLION ALAWI LLC | Oman

October 2010 – April 2012 | Project: Muscat Court Complex & Rustaq Court Complex

Electrical Supervisor

Star Line Electrical & Plumbing Contracting | Kerala, India

2009 – 2010 | Project: Villas and Apartments

PROJECTS**IDC Plot 5 Deira Waterfront – Electrical Supervision – Dubai**

Multi-building complex (residential G+15, hotel G+6, car park G+6, basements) – full electrical supervision from conduit to commissioning.

Royal Oman Police Projects – Ministry Projects – Oman

Supervised electrical works for Khatmat Milaha Border Post, Special Task Force Complex, Muscat Court Complex, and Rustaq Court Complex.

FARIS IBRAHIM

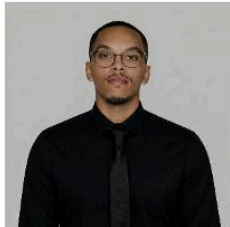
Architectural Engineer / Jr. BIM Engineer

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[linkedin.com/in/faris-ibrahim-9739a129b](https://www.linkedin.com/in/faris-ibrahim-9739a129b)



SKILLS

- Design Thinking & Problem Solving
- BIM Coordination
- Construction Drawings
- Architectural Documentation
- Parametric Design
- Client Communication
- Project Management
- Teamwork

TECHNICAL SKILLS

BIM & Drawings:

Revit (Advanced), AutoCAD (Advanced), Navisworks (Intermediate), Revizto (Intermediate)

3D Modeling & Parametric:

SketchUp (Advanced), Rhino (Intermediate), Grasshopper (Intermediate)

Rendering & Visualization:

Lumion, V-Ray, D5 Render, Adobe InDesign

EDUCATION

Bachelor of Architecture

Near East University (NEU)
2026 Graduate | CGPA: 3.54 / 4.0

Cambridge IGCSE

Premier International Qualification

CERTIFICATIONS

- PMI/PMP (Course, 2025)
- REVIZTO Collaboration Software

LANGUAGES

- English – Fluent
- Arabic – Native

OBJECTIVE

Detail-oriented Architectural Engineer with strong proficiency in BIM modeling and architectural design. Advanced user of Revit, AutoCAD, and SketchUp, with working knowledge of Rhino and Grasshopper for parametric applications. Experienced in sustainable architecture, healthcare planning, and mixed-use developments. Practical site exposure and construction coordination experience. Portfolio: <https://faris-tectonic-archive.base44.app>

EXPERIENCE

Jr. BIM Engineer

Technical Xperts Group (TXG) | Riyadh, Saudi Arabia

April 2026 – Present

- Performed Quality Control reviews of BIM models and project deliverables.
- Checked model compliance with project standards and client requirements.
- Identified and documented modelling errors, clashes, and missing elements.
- Reviewed drawings and model outputs for accuracy, completeness, and adherence to company standards.
- Prepared coordination reports and issue tracking coordination documents.

BIM Engineer – Intern

Freyssinet Saudi Arabia | Riyadh, Saudi Arabia

July 2025 – August 2025

- Developed and coordinated BIM models in Revit to support architectural drawings, design review, and construction documentation.
- Supported risk management and construction coordination activities.
- Led client meetings and design discussions.
- Contributed to model-based coordination between design and site teams, improving drawing clarity and workflow efficiency.
- Conducted site visits and contributed to technical documentation.

Design in Flux Week Participant

EMU – 12th International Design Week

May 2025

- Engaged with global design professionals to explore emerging architectural trends and adaptive design strategies.
- Received official recognition from the Faculty of Architecture for invaluable contributions to the event.

PROJECTS

Freyssinet Saudi Arabia – BIM Coordination – Architectural BIM – Riyadh

Developed and coordinated BIM models in Revit supporting architectural drawings and construction documentation during internship.

TXG QC & Coordination – Jr. BIM Engineer – Riyadh

Quality control reviews of BIM models, clash identification, and coordination reporting across active TXG project portfolio.



JOSELITO L. TORRES

CAD Draftsman / Designer

Saudi Arabia

0532034103

josecito.torres@txgksa.com



SKILLS

- AutoCAD (Expert)
- 3D Google SketchUp
- Revit Architecture & MEP
- Civil 3D
- Combined Services Drawings
- Utility Coordination & Clash Resolution
- Shop Drawing Preparation
- BOQ & Quantity Take-offs

EDUCATION

B.Sc. Architecture

CERTIFICATIONS

- CAV (CHED): 06-10-43289
- Special Order: 50-580101-2709, Series of 2003
- Member, Saudi Council of Engineers – 364217

TRAINING

- AutoCAD Training
- Revit Architecture
- Revit MEP 2014
- ISO Awareness (Sep. 2005)
- Urban Planning
- Structural Concepts in Architecture 2001
- The Filipino Concept

LANGUAGES

- English
- Tagalog

PERSONAL INFO

Nationality: Filipino

Date of Birth: December 13, 1979

OBJECTIVE

Senior CAD Operator / Draftsman-Designer with 20+ years of GCC experience in infrastructure, roadworks, utilities, architectural, electrical, and MEP drawings. Skilled in combined services drawing coordination for major projects including Roads, Tunnels, Metro Trains, Airports, and Customs Land Ports. Proficient in AutoCAD, Revit Architecture & MEP, and Civil 3D. Works effectively under pressure with minimal supervision.

EXPERIENCE

CAD Technician

TXG – Technical Xperts Group | Riyadh, KSA

February 2026 – Present | Project: Sports Boulevard, Riyadh

- Review 2D CAD design drawings submitted by other design consultants for Sports Boulevard.
- Preparing combined wet and dry utilities drawings for coordination purposes.
- Shop drawing compilation and comparison with IFC and composite drawings for Districts 1–5.
- Developed and refined master plan drawings for Districts 1–5 using engineers' inputs.
- Supporting GIS team for cross-sections, levels, and master plan tag cleanup.

CAD Operator

AECOM Arabia Ltd. | Riyadh, KSA

May 2024 – December 2025 | Project: New Murabba Development Company (NMDC)

- Prepared drawings from sketches for proposed logistics and development strategies.
- Provided CAD drafting support and coordination drawings for the engineering team.
- Produced detailed layouts, plans, sections, and elevations with high accuracy.
- Revised drawings as per comments, mark-ups, and design changes.

CAD Draftsman

AECOM Arabia Ltd. | Riyadh, KSA

April 2019 – April 2024 | Project: Saudi Customs (ZATCA EPMO)

- Preparation of concept and detailed design for Saudi Customs land ports and other facilities.
- Reviewed design drawings prepared by other consultants; checked drawings per engineer mark-up.
- Supported preparation of Bill of Quantities (BOQ).

Senior CAD Draftsman

AECOM Arabia Ltd. | Riyadh, KSA

November 2014 – March 2019 | Project: Riyadh Metro Project Package 1

- Coordination CAD drawings and resolving service utility clashes for roadworks.
- Prepared design layouts and profiles for water, stormwater, and sewer lines.
- Prepared land acquisition drawings for Riyadh Metro Lines 1 and 2.

CAD Draftsman / Designer

Samsung C&T Corporation | Qatar & Abu Dhabi

Dec 2012 – Sep 2014 (Qatar) | Sep 2008 – Oct 2011 (Abu Dhabi)

- Coordination CAD drawings for Lusail Development infrastructure (CP5B Package), resolving clashes for all utilities.
 - Electrical utilities design for Al Salam Street & Abu Dhabi City Ring Road – cable, duct, lighting, and power layouts.
- Earlier Roles | Hyosung Corporation Qatar (2012) | All Clad Seaco UAE – Dubai Metro (2007–2008) | Al Shaali Marine UAE (2006) | Trans-Asia Dubai Airport Expansion (2005) | M.R. Vargas Construction Philippines (2001–2003)

PROJECTS

Riyadh Metro – Lines 1 & 2 – Infrastructure / Civil

CAD coordination for water, stormwater, sewer, and electrical utilities across major metro packages in Riyadh.

Sports Boulevard, Riyadh – CAD Coordination – TXG

Combined services drawing preparation and master plan development for Districts 1–5.

MOHAMMED SAQLAIN HUSSAIN

Planning Engineer

Riyadh, Saudi Arabia
+966 539968725
saqlain@txgksa.com



CORE SKILLS

- Primavera P6 | MS Project
- Baseline Scheduling (Level 3 / Level 4)
- Critical Path Analysis
- Look-Ahead Planning
- S-Curve Preparation
- Progress Tracking & Monitoring
- Productivity Analysis
- Manpower Histograms
- BOQ Understanding
- Cash Flow & Cost Control Reporting
- Delay Analysis & EOT Documentation
- Subcontractor Coordination
- AutoCAD | MS Office (Advanced Excel)

EDUCATION

B.Tech – Civil Engineering
Shadan College of Engineering and Technology
Affiliated to JNTUH, Hyderabad, India

TECHNICAL SUMMARY

Primavera P6 | MS Project | Baseline, WBS & S-Curve | Project Monitoring & Reporting | Cost Control | BOQ | Infrastructure & Building Projects

OBJECTIVE

Planning Engineer with 5 years of experience in planning, scheduling, and project controls for MEP, commercial, residential, and infrastructure projects in Saudi Arabia and India. Highly proficient in Primavera P6, baseline development, look-ahead planning, progress tracking, critical path analysis, and recovery scheduling. Strong coordination skills with stakeholders to ensure timely project delivery and contractual adherence.

EXPERIENCE

Planning Engineer

Technical Xperts Group (TXG) | Saudi Arabia

April 2026 – Present

- Develop detailed project schedules using project planning software.
- Prepare Work Breakdown Structures (WBS), project baselines, and execution plans.
- Create and update project timelines, milestones, and resource plans.
- Monitor project progress and compare actual performance against the baseline schedule.
- Analyze schedule variances and recommend corrective actions.
- Prepare weekly and monthly progress reports, dashboards, and presentations.
- Perform critical path analysis and identify project risks and delays.

Planning Engineer

Al Ahlia Integrated for Contracting Co | Al Khobar, KSA

February 2025 – October 2025

- Baseline Scheduling (Level 3/4): Prepared detailed baseline schedules aligned with contractual milestones, incorporating activity sequencing, durations, manpower and equipment histograms, and cost loading.
- Progress Monitoring & Control: Monitored subcontractor progress across MEP disciplines, integrated subcontractor programs into the baseline schedule.
- Schedule Updating & Reporting: Collected site progress data, updated schedules, performed variance analysis, and prepared weekly and monthly progress reports.
- Cost Planning & Cash Flow: Prepared S-curves, monitored cost plans and cash flow forecasts.
- Short-Term & Look-Ahead Planning: Developed 2–3 week and 2–3 month look-ahead schedules.
- Schedule Risk & Recovery Planning: Identified schedule risks and implemented mitigation and recovery plans to protect key milestones.
- Executive Reporting: Prepared dashboards and planning summaries to support senior management decision-making.
- Commercial & Claims Support: Provided planning inputs for delay analysis, claims support, and commercial strategy.

Planning Engineer

BCES Constructions | Hyderabad, India

March 2022 – January 2024

- Supported end-to-end construction planning from mobilization through project completion.
- Prepared practical execution schedules considering site constraints, material availability, and delivery priorities.
- Coordinated with site engineers to validate constructability, sequencing logic, and workfront availability.

Site Engineer

Emaar Constructions | Hyderabad, India

April 2020 – February 2022

- Supervised day-to-day construction activities ensuring compliance with approved drawings and quality standards.
- Monitored project progress, prepared daily/weekly/monthly reports, and enforced HSE standards on-site.
- Conducted site inspections, quality checks, and reviewed shop drawings and method statements.

PROJECTS

MEP Planning – Al Ahlia Contracting – Planning Engineer – Al Khobar KSA

Baseline scheduling, subcontractor coordination, S-curve preparation, and executive reporting for MEP contracting projects.

Infrastructure & Building Projects – Planning Engineer – Hyderabad, India

End-to-end construction planning and scheduling for residential and commercial building projects.



COMPANY RESOURCE STRENGTH AND ASSET LIST



TXG
TECHNICAL XPERTS GROUP

DIGITAL
DELIVERY
PARTNER

COMPANY'S RESOURCE STRENGTH (OFF-SITE & ON-SITE)

SL. NO.	EMPLOYEE DESCRIPTION	EXPERIENCE	NOS
1	DIRECTORS	45+	1
2	DEPUTY MANAGING DIRECTOR	20+	2
3	HEAD OF OPERATIONS	18+	1
4	OPERATION TEAM	10+	5
5	IT	10+	3
6	JUNIOR ACCOUNTANT	03+	2
7	HR MANAGER	10+	3
8	HR OFFICER	09+	2
9	QHSE MANAGER	13+	1
10	PLANNING ENGINEER	05+	2
11	PROJECT MANAGER	14+	3
12	PROJECT LEAD	10+	2
13	BIM MANAGER	12+	4
14	BIM COORDINATOR	10+	10
15	BIM LEADS	10+	5
16	SENIOR BIM ENGINEERS	08+	5
17	BIM ENGINEERS	05+	20
18	BIM MODELLERS	08+	50
19	CAD SENIOR DRAUGHTSMAN	08+	5
20	CAD DRAUGHTSMAN	04+	10
21	JUNIOR BIM MODELLERS	02+	9
22	SITE SURVEY HEAD	12+	2
23	SURVEY ENGINEER - MECHANICAL	07+	6
24	SURVEY ENGINEER - ELECTRICAL	07+	6
25	SURVEY SUPERVISOR - MECHANICAL	07+	5
26	SURVEY SUPERVISOR - ELECTRICAL	07+	5
27	LIDAR SCANNING ENGINEER	05+	10
28	TECHNICAL TRAINERS	20+	3
29	DRIVER	07+	2
30	NON-TECHNICAL STAFF	10+	7
TOTAL			191

COMPANY'S ASSET LIST

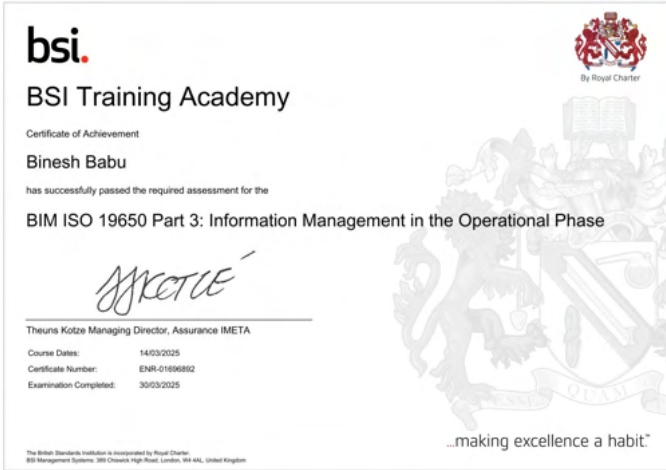
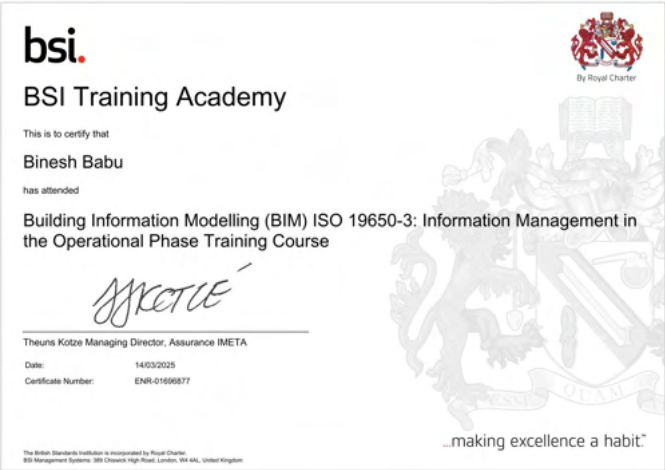
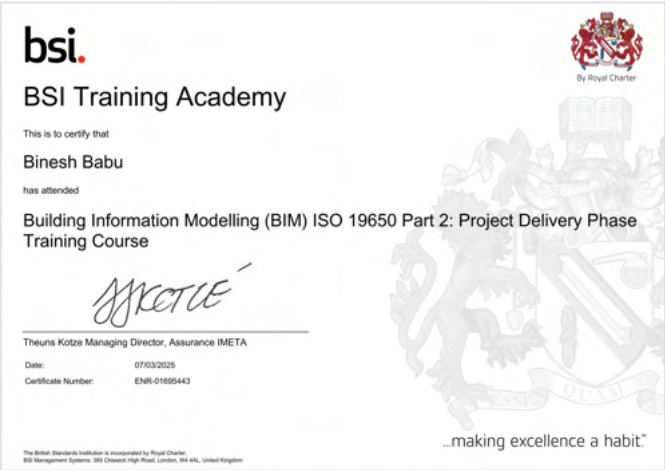
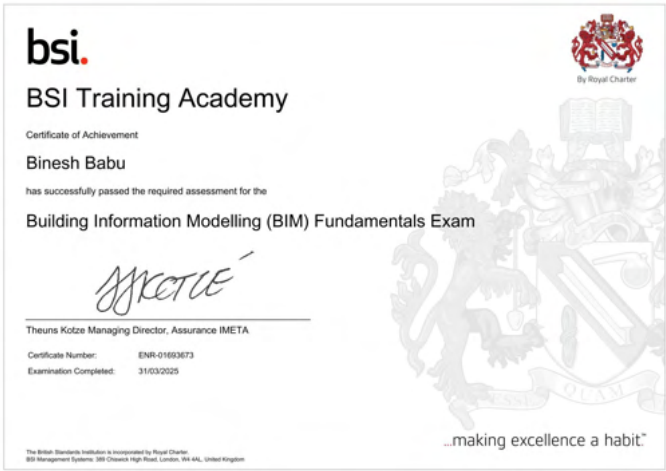
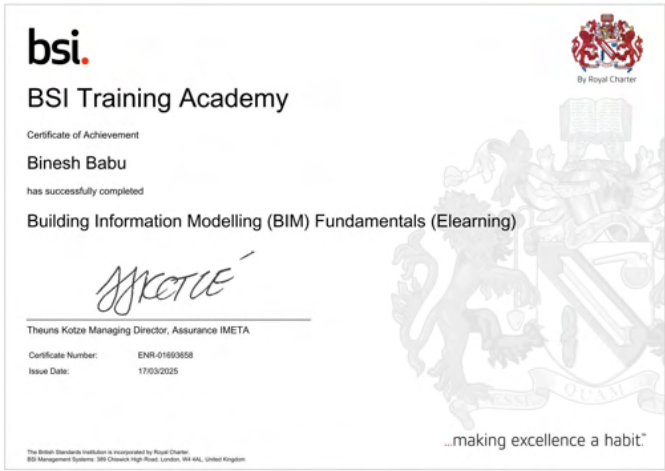
SL.NO.	DESCRIPTION	MAKE	MODEL	SIZE	QTY
1	MONITOR	DELL	SE2222H-VA	22"	4
2	WORKSTATION	DELL	PRECISION T3600 XEON 6-CORE		2
3	WORKSTATION	DELL	T5810		1
4	WORKSTATION	ABOT SYSTEM	ROG STRIX X570-F		2
5	MONITOR	DELL	E2216HV	22"	1
6	WORKSTATION	DELL	I7-7700		5
7	LAPTOP	DELL	INSPIRON 15 5000		1
8	LCD SCREEN	SAMSUNG	UA55CU7000UXSA	55"	4
9	IPAD	APPLE	10TH GENERATION	10"	7
10	TAB	SAMSUNG	GALAXY S6	10"	5
11	DONGLE	TP-LINK	LINUX (ARCHER T3U)		4
12	LIDAR SCANNERS INDOOR	LEICA	RTC360		1
13	LIDAR SCANNERS INDOOR	TRIMBLE	X7		1
14	TERRESTRIAL SLAM SCANNERS	NAVVIS	VLX 3		1
15	VR GEAR	META	QUEST 3		1
16	VR GEAR	META	QUEST 3		1
17	PLOTTER PRINTER	HP	DESIGNJET T630		1
18	PRINTER	HP	DESKJET 3755		1
19	PRINTER	EPSON	L1300		1
20	PRINTER	EPSON	L220		1
21	PRINTER	HP	DESIGNJET T730		1
22	HARD DISK 2 TB	TOSHIBA	HDTB420EK3AA		17
23	HARD DISK 1 TB	TOSHIBA	HDTB410XK3AA		2
24	HIGH CONFIGURATION SERVER	ULTRASTAR	DATA DC HC530		4
25	WALKIE TALKIE	BAOFENG	BF-888S		1

KEY EMPLOYEE CERTIFICATIONS



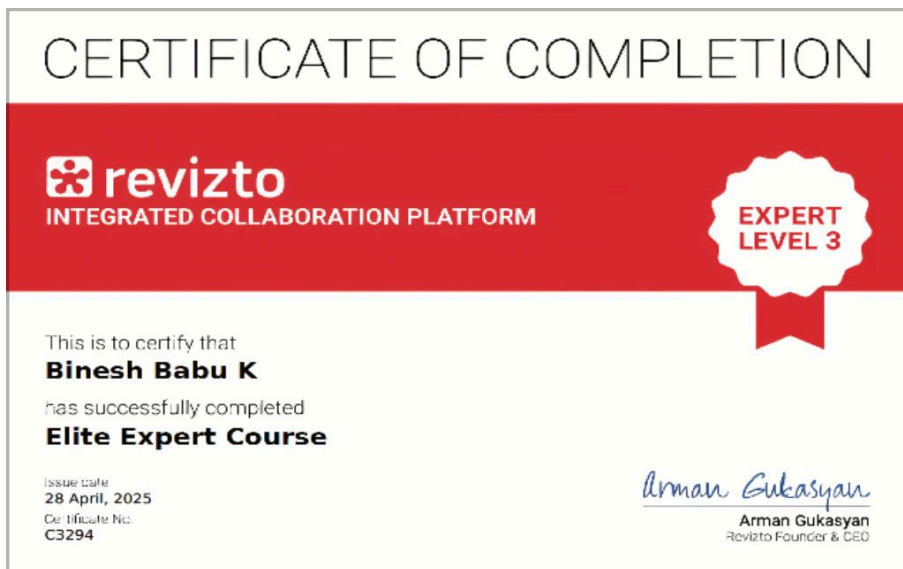
TXG
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A BSI Training Academy certificate for Binesh Babu. The certificate is white with a large, faint, light blue crest of the British Standards Institution in the background. The crest features a lion, a unicorn, and a shield with various symbols, topped with a crown. The text on the certificate is as follows: At the top left is the BSI logo (bsi. in black, with a red dot over the 'i'). To the right of the logo is the Royal Coat of Arms, with the motto 'By Royal Charter' underneath. The main title 'BSI Training Academy' is in a large, bold, black serif font. Below this, it says 'This is to certify that' in a smaller black font. The name 'Binesh Babu' is written in a bold black font. Below the name, it says 'has attended' in a smaller black font. The course title 'Building Information Modelling (BIM) PAS 1192 Part 6: Health and Safety Training Course' is written in a bold black font. Below the course title is a large, stylized signature in black ink. A horizontal line separates the signature from the text 'Threuns Kotze Managing Director, Assurance IMETA'. Below this, the date 'Date: 04/04/2025' and the certificate number 'Certificate Number: ENR-01719334' are listed. At the bottom left, in small text, it says 'The British Standards Institution is incorporated by Royal Charter. BSI Management Systems, 389 Chiswick High Road, London, W6 4AL, United Kingdom'. At the bottom right, the slogan '...making excellence a habit™' is written in a black serif font.

A certificate from the BSI Training Academy. The top left features the BSI logo. The top right has the Royal Charter crest with the text 'By Royal Charter'. The center text reads 'BSI Training Academy', 'Certificate of Achievement', 'Binesh Babu', and 'has successfully passed the required assessment for the BIM PAS 2012 Part 6: Health and Safety Exam'. A signature 'J. Kotze' is written over a horizontal line. Below the line, it says 'Theuns Kotze Managing Director, Assurance IMETA'. At the bottom, a table lists: 'Course Dates: 04/04/2025', 'Certificate Number: ENR-01719349', and 'Examination Completed: 07/04/2025'. The bottom left has small text about BSI's incorporation by Royal Charter. The bottom right has the slogan '...making excellence a habit.' with a large, faint crest in the background.



LICENSE & CERTIFICATIONS



TXG
TECHNICAL XPERTS GROUP

DIGITAL
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رمزك التجاري QR Code

من خلاله يمكنك التحقق المباشر من المعلومات:

- السجل التجاري
- شهادة السعودة
- شهادة الزكاة
- رخصة البلدية
- برنامج نطاقات
- الفرقة التجارية

٧٠٢٢٧٥٥٧٩٩ : الرقم الموحد
٤٠٢٠٥٠٠٧٢٧ : رقم المنشأة
١١١١٢٠٧٢١٩ : التابيح

شهادة تسجيل الشركة Company Registration Certificate



الاسم التجاري للشركة : شركة تكتيكال للبرنس العالمية المحدودة شركة شخص واحد (شخص واحد)
نوعها : محدودة لأجنبية
مدة الشركة : ٩٠ سنة
مركزها الرئيسي : جدة
هاتف :
الرمز البريدي :
النشاط : تلافاع على بيوتك الأنشطة الرجاء مسح الرمز التجاري
رأس المال : ٥٠٠٠٠٠٠ ريال سعودي
المديرون :
1 مروان الصايغ
2
3
4
5
6
7
8
9
10
11
12
13
14
15
سلطات المديرون : حسب ما نص عليه عقد الشركة
يشهد مكتب السجل التجاري بمدينة : جدة بأنه تم تسجيل الشركة المذكورة أعلاه بمدينة : جدة
وتنتهي صلاحية الشهادات في : ١١١١٢٠٧٢١٩ بموجب الإيصال رقم : ١٨٨٧٩١٨٨ وتاريخ : ١١١١٢٠٧٢١٩



To Verify the Information of This Certificate Visit : www.mc.gov.sa
www.mc.gov.sa MCgovSA Kingdom of Saudi Arabia | رقم ١١١٢٠٧٢١٩ | ٠٨٥ ١١ ٢٥٤ ٤٤٤

التاريخ: 15/05/2025

الموافق: 1446/11/17

رمز الشهادة: 96067577

شهادة

اسم المنشأة	شركة تيكنيكال اكبيرتس العالمية المحدودة
اسم صاحب العمل	
رقم الاشتراك	٦٣٩٩٩٣٢٩٢
رقم السجل التجاري	٤٠٣٠٥٠٠٧٣٧
العنوان	جدة السعودية 36654

عدد المشتركين السعوديين	عدد المشتركين غير السعوديين	المجموع
5	0	5
خمسة مشتركين	صفر	خمسة مشتركين

تشهد المؤسسة العامة للتأمينات الاجتماعية بأن المنشأة المذكورة أعلاه قد أوفت بالتزاماتها تجاه المؤسسة وفق البيانات المقدمة منها حتى تاريخ اصدار هذه الشهادة، والتي تم منحها لتقديمه لأية جهة تطلبها، وهي صالحة لجميع الأغراض التي نصت عليها الفقرة (6) من المادة (التاسعة عشر) من نظام التأمينات الاجتماعية الصادر بالمرسوم الملكي رقم (م/33) بتاريخ 1421/9/3 هـ و المادة (العاشر) من نظام التأمينات الاجتماعية الصادر بالمرسوم الملكي رقم (م/273) وتاريخ 1445/12/26 هـ .

هذه الشهادة سارية المفعول حتى 1446/12/17 هـ.

Public عام

الشهادة معتمدة من صاحب الصلاحية ولا تحتاج لتوقيع أو ختم



تحقق من صحة وصلاحيّة الشهادة عبر زيارة الرابط أدناه في الموقع الإلكتروني للمؤسسة العامة للتأمينات الاجتماعية أو عن طريق استخدام الرمز المعرف التالي

تعد هذه الشهادة من الوثائق الإلكترونية الحكومية الرسمية ويحظر قطعاً تقليدها أو إدخال أي تعديلات عليها سواء بالإضافة أو الحذف أو التغيير في بياناتها أو غير ذلك من أنواع التعديل. وتعد الشهادة لأغية إذا شابهها شيء من ذلك. كما تعرض صاحبها للملاحقة النظامية أمام الجهات المختصة بالإضافة إلى ما يفرضه نظام التأمينات الاجتماعية من عقوبات، ولا يجوز تداول الشهادة إلا في الأغراض التي أصدرت لأجلها وفقاً لأحكام نظام التأمينات الاجتماعية. والمؤسسة العامة للتأمينات الاجتماعية غير مسؤولة عن أي عملية تزوير أو تعديل تتم على البيانات الواردة فيها.

المملكة العربية السعودية، الرياض 12622 - 8308 حي الوزارات 3795
Kingdom of Saudi Arabia, Riyadh 12622- 8308 Al Wizarat 3795

800 124 3344
gosi.gov.sa





شهادة التوطين

رقم الشهادة	213468-79681529	تاريخ الإصدار	24/04/2025	تاريخ انتهاء الصلاحية	23/07/2025
تاريخ التجديد/التحديث	23/01/2025	حالة الشهادة	تم التحقق	اسم المنشأة	شركة تيكنيكال اكبيرتس العالمية المحدودة شركة شخص واحد
رقم المنشأة	9-2146245	رقم الترخيص	—	الرقم الوطني الموحد	7033755799
مستوى نطاقات	اخضر صغير (فئة أ)	معدل التوطين	100 %		



The Ministry of Human Resources and Social Development certifies that the above mentioned Establishment has achieved the required Nationalization rate and has been granted this certificate upon request.

تشهد وزارة الموارد البشرية والتنمية الاجتماعية بأن المنشأة المذكورة أعلاه حققت نسبة التوطين المطلوبة وتم منحها هذه الشهادة بناءً على طلبها.

The certificate is electronically generated and approved by the authority. It does not require any signature or stamp.

الشهادة تم إنشاؤها إلكترونياً ومعتمدة من الجهة المختصة ولا تحتاج إلى ختم أو توقيع.

رؤية
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

Proof Number	1053697615	رقم الإثبات
Original Date	12/8/2024	تاريخ الإصدار
Expiration Date	8/2/2025	تاريخ الانتهاء



إثبات عنوان Address Proof

Address Holder Details

بيانات صاحب العنوان

Name	شركة تيكنيخال اكسبيرتس العالمية المحدودة شركة شخص واحد	الاسم
Customer Acc.	3 1 3 2 9 9 6 4 7 8 8	رقم الحساب
Reg. Date	18/7/2024	تاريخ التسجيل

Address Details

تفاصيل العنوان

Short Address	R H O A 8 4 8 0	العنوان المختصر
Building No.	8 4 8 0	رقم المبنى
Street	Wadi Al Thumamah	الشارع
Secondary No.	2 8 0 4	الرقم الفرعي
District	Al Olaya Dist.	الحي
Postal Code	1 2 2 1 3	الرمز البريدي
City	RIYADH	المدينة
	Kingdom of Saudi Arabia	المملكة العربية السعودية



للتحقق Verify

<https://proof.address.gov.sa/VerifyProofNA.aspx>

تم إصدار هذا الإثبات إلكترونياً ولا يتطلب التوقيع عليه

تم إصدار هذا الإثبات بناءً على طلب الموضح أعلاه، ويحظر قطعاً تقليده أو إدخال أي تعديلات عليه سواء بالإنفاذ أو الحذف، وبعد الإثبات لنفاذ إذا شابه
شيء من ذلك، كما يعرض صاحبه للمساءلة القانونية.

This proof has been issued electronically and does not require a signature

This proof has been issued upon the request of the above-named, and it is absolutely prohibited to imitate it or make any modifications to it, whether by addition or deletion, and the proof is considered void if it is marked by something, and its owner is subject to legal accountability.

19992 <https://spionline.com.sa/ar/national-address-1/>



TIN 3124090407 الرقم المميز
Certificate No. 100241115260365 رقم الشهادة
Certificate date 15/08/2024 تاريخ الشهادة



هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

المملكة العربية السعودية
Kingdom of Saudi Arabia

شهادة تسجيل في ضريبة القيمة المضافة

VAT Registration Certificate

تشهد هيئة الزكاة والضريبة والجمارك بأن المكلف أدناه مسجل في ضريبة القيمة المضافة بتاريخ ٢٠٢٤/٠٨/١٥ م
The Zakat, Tax and Customs Authority certifies that taxpayer below is VAT registered on 15/08/2024 AD

Taxpayer Name	شركة تيكنيكال اكسبيرتس العالمية المحدودة شركة شخص واحد	اسم المكلف
VAT Registration Number	312409040700003	رقم التسجيل الضريبي
Effective Registration Date	2024/09/01	تاريخ نفاذ التسجيل
Taxpayer Address	جدة، جدة، جدة 12354	عنوان المكلف
CR / License	4030500737	رقم السجل التجاري
Contact / ID No		/ الإخصة / العقد / الهوية
Tax Period	ربع سنوي - Quarterly	الفترة الضريبية
First Filing due date	2024/10/31	تاريخ استحقاق أول إقرار ضريبي

ملاحظة: كمكلفين مسجلين في ضريبة القيمة المضافة، لا يجوز لكم تحصيل ضريبة القيمة المضافة من عملائكم قبل تاريخ نفاذ التسجيل في الضريبة. وفي حال تبين غير ذلك ستقوم هيئة الزكاة والضريبة والجمارك بتنفيذ الغرامات المستحقة

Note: As a VAT registered taxpayer, you are not allowed to collect VAT from your customers prior to the effective date of the tax registration. If otherwise approved, The ZAKAT, Tax and Customs Authority will impose the applicable penalties



zatca.gov.sa 19993 @zatca_sa



هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع
و لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة
www.zatca.gov.sa



TIN ٣١٢٤٠٩٠٤٠٧ الرقم المميز
Certificate No. ١٠٣٦٢٨٣٩٢٨ رقم الشهادة
Issue Date ١٤٤٦/١١/٠٣ تاريخ الاصدار



هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

المملكة العربية السعودية
Kingdom of Saudi Arabia

شهادة Certificate

The Zakat, Tax and Customs
Authority certifies that the Taxpayer

تشهد هيئة الزكاة والضريبة
والجمارك أن المكلّف /

شركة تيكليكال اكبير تس العالمية المحدودة شركة شخص واحد

Entity Unified No. /ID No.

٧٠٣٣٧٥٥٧٩٩

الرقم الموحد للمنشأة / رقم هوية

Commercial Registration/License /
Contract No

٤٠٣٠٥٠٠٧٣٧

سجل تجاري / رخصة / عقد رقم

Has submitted his tax return for the period ending on 31/12/2024 AD, and he
was granted the certificate to complete all his transactions including the
payment of the final amount due on the contract.

قدم إقراره عن الفترة المنتهية في ١٤٤٦/٠٦/٣٠ هـ ،
وقد منح هذه الشهادة لإنهاء جميع معاملاته بما في ذلك صرف
مستحققاته النهائية عن العقود.

The Certificate is valid until 13/11/1447 AH corresponding to 30/04/2026 AD

يسري مفعول هذه الشهادة حتى تاريخ ١٤٤٧/١١/١٣ هـ الموافق
٢٠٢٦/٠٤/٣٠ م

The thirteenth of Dhu al-Qi'dah one thousand four hundred forty-seven)
(Hijri

(الثالث عشر من ذو القعدة ألف و أربعمئة و سبعة و أربعون هجري)

لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة الإلكتروني: www.zatca.gov.sa

This certificate is not valid until verified by the Authority's Website: www.zatca.gov.sa

zatca.gov.sa 19993 @zatca_sa



هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع
ولا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة
www.zatca.gov.sa



حكومة الشارقة
Government of Sharjah

شهادة ترخيص

License Certificate

LICENSE NO.	15117	رقم الرخصة	١٥١١٧
NAME	TECHNICAL EXPERTS GROUP (TZC)	الاسم	تيكنيكال إكسبيرتس جروب (ش.م.ح)
LEGAL STATUS	Free Zone Co. with Limited Liability	الشكل القانوني	شركة منقطة حرة ذات مسؤولية محدودة
TYPE OF LICENSE	Services	نوع الرخصة	خسبة
ACTIVITY(S)	Providing IT Services and Solutions	النشاط	تقديم خدمات وحلول تقنية لمعلومات

الموقع

المدير المسؤول

SAIF ZONE ADDRESS	Saif Office Q1-01-097/B P.O.Box 513153 Sharjah - U.A.E.	العنوان في المنطقة الحرة	مكتب مشترك كيو ١-٠١-٩٧-بي ص.ب ٥١٣١٥٣ الشارقة - ا.ع.م.
RENEWAL DATE	24 March 2025	تاريخ عقد الترخيص	٢٤ مارس ٢٠٢٥
ISSUE DATE	24 March 2025	تاريخ الإصدار	٢٤ مارس ٢٠٢٥
EXPIRY DATE	23 March 2026	تاريخ الانتهاء	٢٣ مارس ٢٠٢٦

REMARKS	١- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٢- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٣- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٤- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٥- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٦- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٧- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٨- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ٩- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. ١٠- هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها.	ملاحظات	هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها. هذه الرخصة معلقة لمدة ١٢ شهرا ابتداء من تاريخ إصدارها.
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2. Scan the QR code.
3. Visit the website at <http://www.saifzone.ae>



لتفحص صحة الرخصة:

- ١- زيارة الموقع الإلكتروني لـ (SAIF) في www.saifzone.ae
- ٢- مسح الرخصة بالكاميرا (QR Code)
- ٣- زيارة الموقع الإلكتروني <http://www.saifzone.ae>

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الهيئة الاتحادية للضرائب
FEDERAL TAX AUTHORITY



شهادة تسجيل ضريبة القيمة المضافة في الإمارات العربية المتحدة
Certificate of Registration for Value Added Tax in the United Arab Emirates

The Federal Tax Authority certifies that the entity below is
a registered person for Value Added Tax in the UAE

تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة
المضافة في الإمارات العربية المتحدة

Full Arabic legal name	تكنيكال إكسبيرتس جروب (م.م.ح.)	الاسم القانوني الكامل باللغة العربية
Full English legal name	TECHNICAL EXPERTS GROUP (FZE)	الاسم القانوني الكامل باللغة الإنجليزية
Registered address	SAIF Desk Q1- 04- 0977 IL SAIF ZONE, SAIF ZONE, Sharjah, Sharjah, United Arab Emirates, 513153, +971567888949	العنوان المسجل
Tax Registration Number	300030072100003	رقم التسجيل الضريبي
Effective Registration Date	01/01/2018	تاريخ التسجيل الفعلي
First VAT Return Period	01 Jan 2018 - 31 Mar 2018 and quarterly thereafter	فترة أول إقرار ضريبة القيمة المضافة
VAT Return due date	29 Apr 2018	تاريخ استحقاق إقرار ضريبة القيمة المضافة
Start and end dates of Tax periods	1 Apr to 30 Jun, 1 Jul to 30 Sep, 1 Oct to 31 Dec, 1 Jan to 31 Mar	بداية ونهاية الفترات الضريبية

يرجى التأكد من صحة تفاصيل الشهادة يجب إطلاع الهيئة الاتحادية للضرائب في حال تغيير الاسم التي حصلت فيها على رقم التسجيل
الضريبي الخاص بك.

Please check that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the
basis of which you obtained your Tax Registration Number.



Issuing Date:

03/04/2018

تاريخ الإصدار



Universal Certification Ltd.

Certificate of Registration

This Certificate is issued to

International TXG Pvt. Ltd.

TXG Complex, Railway Station Road,
Vaniyambalam, PIN - 679 339, Malappuram Dist., Kerala, India.

after assessing Organization's Quality Management System
and finding it in compliance with

ISO 9001:2015

For the following Scope:

**Providing Electrical Low Voltage (ELV) Technology Design,
CAD/ Revit/ BIM Development.**

Certificate No: UCQ-2411685

Date of Registration: 09 - 11 - 2024

Date of Issue: 09 - 11 - 2024

Date of Expiry: 08 - 11 - 2027

(Subject to yearly surveillance audit)

Authorized Signatory

Universal Certification Ltd.

145 - 157, St. John Street, London,
EC1V 4PW, United Kingdom.



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CERTIFICATE OF REGISTRATION



This is to certify that Quality Management System of

TECHNICAL XPERTS INTERNATIONAL LIMITED

8480 Wadi Al Thumamah 2804 Al Olaya Dist. 12213
RIYADH Kingdom of Saudi Arabia

is in accordance with the requirements of the following standard

ISO 9001:2015

(Quality Management System)

SCOPE

**PROVIDING ELECTRICAL LOW VOLTAGE (ELV) TECHNOLOGY
DESIGNING CONSULTANCY SERVICES FOR CAD/ REVIT/ BIM
DEVELOPMENT
(IAF CODE - 34)**

Certificate Number : 060125019623

To verify certificate, visit at
www.iafcertsearch.org

Initial Registration Date : 06-Jan-2025

1st Surveillance Date: 06-Dec-2026

2nd Surveillance Date: 06-Dec-2027

Certificate Expiry Date : 05-Jan-2028

Accreditation No. : 51901390123

Issued by ARS

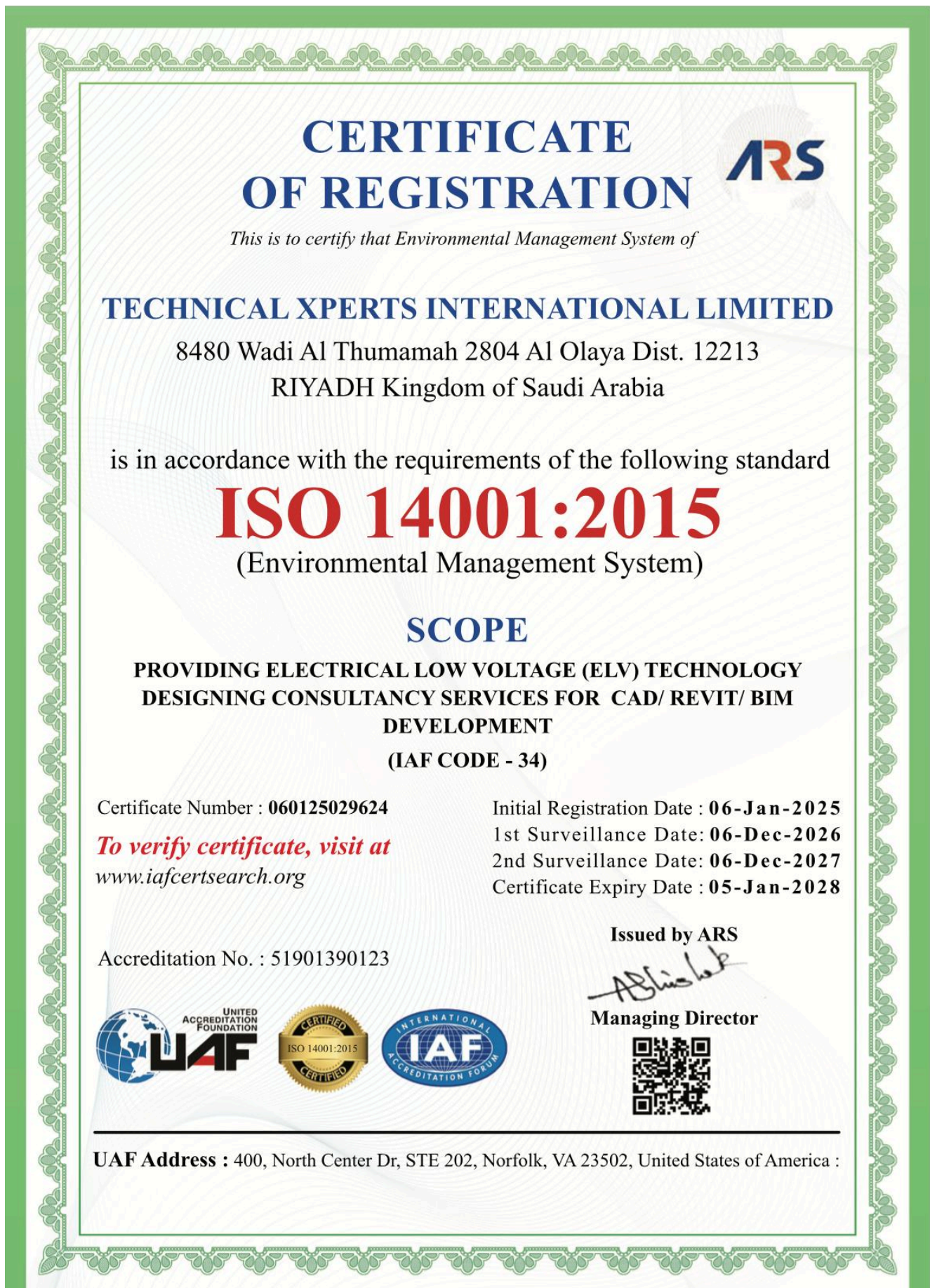


Abhishek

Managing Director



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America :



CERTIFICATE OF REGISTRATION



This is to certify that Occupational Health & Safety Management System of

TECHNICAL XPERTS INTERNATIONAL LIMITED

8480 Wadi Al Thumamah 2804 Al Olaya Dist. 12213
RIYADH Kingdom of Saudi Arabia

is in accordance with the requirements of the following standard

ISO 45001:2018

(Occupational Health & Safety Management System)

SCOPE

**PROVIDING ELECTRICAL LOW VOLTAGE (ELV) TECHNOLOGY
DESIGNING CONSULTANCY SERVICES FOR CAD/ REVIT/ BIM
DEVELOPMENT
(IAF CODE - 34)**

Certificate Number : **060125039625**

To verify certificate, visit at
www.iafcertsearch.org

Initial Registration Date : **06-Jan-2025**

1st Surveillance Date: **06-Dec-2026**

2nd Surveillance Date: **06-Dec-2027**

Certificate Expiry Date : **05-Jan-2028**

Accreditation No. : 51901390123

Issued by ARS

Managing Director



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America :



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PROJECT COMPLETION CERTIFICATES & PREVIOUS APPROVALS FROM CONSULTANTS



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TECHNICAL XPERTS GROUP

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DELIVERY
PARTNER

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& Part



TADAWUL TOWER PROJECT

17 September 2019

To: Whom It May Concern

Subject: Letter of Recommendation

To whom it may concern

I, as a Engineering Manager of SCCE JV for Tadawul Tower Project, would like to take the moment to express our sincere appreciation to Technical Xperts Group (TXG)

Technical Xperts Group (TXG) was the BIM modeler and Engineering service provider of the Tadawul Tower Project in the King Abdullah Financial District (KAFD) in Riyadh, Kingdom of Saudi Arabia. They have been accomplished the BIM modeling and the Engineering services on the construction schedule, meeting the critical deadline and professionally handling the abrupt concerns arised during construction. They had been cooperative to other subcontractors and consultant, provided the resources and expertise to ensure the completion of the engineering activities on the project construction schedule.

In summary I would highly recommend the services of Technical Xperts Group (TXG) to any organization and would not hesitate to consider them on future projects.

Yours faithfully,

Woonsung Cho
Engineering Manager
Tadawul Tower Project
SCCE Joint Venture



Samsung C&T Corporation, SA (C.R. No. 1010297441) and Contracting & Construction Enterprises Ltd (C.R. No. 1010102257) trading as **SAMSUNG - CCE JV**. C/o. P.O. Box 56532, Riyadh 11564, Saudi Arabia. Tel.: +966 1 201 2777, Fax: +966 1 201 0891



Reference No: KAFD-LF-NSP-00000-KFD-OPE-LTR-00648

12/24/2024

To: Iyad Al-Shouli

INNOVATIVE CONTRATCORS FOR ADVANCED DIMENSIONS COMPANY(ICAD)

CC: Rameez Raja, Project Manager (ICAD/TXG)

Subject: Service Appreciation

Dear ICAD Team,

On behalf of the King Abdullah Financial District (KAFD) Development and Management Company, we extend our sincere appreciation for the successful delivery of Building Information Modeling (BIM) Project Services for the 37 parcels within KAFD. Your team's efforts from planning to the precise execution and timely delivery of the BIM models have contributed significantly to the project's objectives, equipping us with tools to enhance operational efficiency.

The final deliverables align with KAFD's expectations and provide a solid foundation for our ongoing and future initiatives. We thank you for your contributions to this important project and look forward to continued collaboration in the future.

Yours Sincerely,


Stephen Thomas

 Chief Operation Officer

King Abdullah Financial District Development and Management Company



CITY MANAGEMENT

Deliverable Approval Form

Date:	29/05/2023	Contract No:	KAFD00249
Consultant Name:	INNOVATIVE CONTRACTORS FOR ADVANCED DIMENSIONS COMPANY (ICAD)		
Detail of Deliverable			
1. Parcel 503 - BIM Models 2. Parcel 503 - COBie Data sets 3. Parcel 503 - CAFM Data sheets 4. Parcel 503 - BMS Data sheets 5. Parcel 503 - Virtual reality Data 6. Parcel 503 - O&M / As-built / Validation/verification 7. Parcel 503 - CDE 8. Parcel 503 - BIM management and Coordination			
Deliverable Description			
Refer attached the deliverable description and the compliance statement			
Supporting Documents			
Pls refer attached the Transmittal reference TCXG-TRANSMIT-003457 & TCXG-TRANSMIT-000212 for the deliverables submitted.			
Approval as per Delegation of Authority			
Name/Title	Signature	Date	Sign Off Process
Sara AlQithmi (Operations Platform Sr. Manager)		30-5-2023	Reviewed
Yasser Tufail (VP - Technical Center of Excellence)		30/5/23	Endorsed
Stephen Thomas (Chief Operations Officer)		31/5/2023	Approved



CITY MANAGEMENT

Deliverable Approval Form

Date:	31/05/2023	Contract No:	KAFD00249
Consultant Name:	INNOVATIVE CONTRACTORS FOR ADVANCED DIMENSIONS COMPANY (ICAD)		
Detail of Deliverable			
1. Parcel 119 - BIM Models 2. Parcel 119 - COBie Data sets 3. Parcel 119 - CAFM Data sheets 4. Parcel 119 - BMS Data sheets 5. Parcel 119 - Virtual reality Data 6. Parcel 119 - O&M / As-built / Validation/verification 7. Parcel 119 - CDE 8. Parcel 119 - BIM management and Coordination			
Deliverable Description			
Refer attached the deliverable description and the compliance statement			
Supporting Documents			
Pls refer attached the Transmittal reference TCXG-TRANSMIT-000218 for the deliverables submitted.			
Approval as per Delegation of Authority			
Name/Title	Signature	Date	Sign Off Process
Sara AlQithmi (Operations Platform Sr. Manager)		6-6-2023	Reviewed
Yassar Tufail (VP – Technical Center of Excellence)		7/6/23	Endorsed
Stephen Thomas (Chief Operations Officer)		11/06/2023	Approved

APPROVALS FROM CONSULTANT

KAFD Operations Service Providers
KingAbdullah Financial District KAFD DMC
6469 Northern Ring Road
Al Aqeeq District - Unit No. 17,
Riyadh
Kingdom of Saudi Arabia 13519-3212 Saudi Arabia

Technical Xperts Group
Technical Xperts Group (FZE- Halwan- Subu
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Al Abar
Sharjah 00000 United Arab Emirates

MAIL TYPE
Transmittal

MAIL NUMBER
TCXG-TRANSMIT-000470

REFERENCE NUMBER
TCXG-TRANSMIT-000440

Re: Parcel 5.01- Final Deliverable and Handover Documents

From

To

Sent

Reason

Status

Ms Dalia Alotibi - Technical Xperts Group

City Management Document Control - King Abdullah Financial District Development & Management

Monday, 6 May 2024 1:19:00 PM AST (GMT +03:00)

IFI - Issued for Information

N/A

DOCUMENT ATTACHMENTS (12)

Download Actions View File Properties Start a Workflow

(0 selected)						
☐	File	Document No	Revision	Revision Date	Title	Status
☐		KAFD-A5-501-00000-TCXG-BIM-3DM-00001	R01	08/04/2024	Parcel 5.01- Navisworks (NWD)	For Action
☐		KAFD-A5-501-00000-TCXG-BIM-AIM-00001	R00	17/03/2024	Parcel 5.01- IFC	For Action
☐		KAFD-A5-501-00000-TCXG-BIM-ASB-00001	R00	17/03/2024	Parcel 5.01- Segregated As built Drawings	For Information
☐		KAFD-A5-501-00000-TCXG-BIM-ASB-00002	01	08/04/2024	Parcel 5.01- As built Drawings	For Action
☐		KAFD-A5-501-00000-TCXG-BIM-BMD-00001	R00	17/03/2024	Parcel 5.01- BMS Sheet	For Action
☐		KAFD-A5-501-00000-TCXG-BIM-OMM-00001	R00	17/03/2024	Parcel 5.01- Segregated O& M Manual	For Information
☐		KAFD-A5-501-00000-TCXG-BIM-RPT-00003	R00	17/03/2024	Parcel 5.01- Asset Comparison Reports with Point Cloud	For Information
☐		KAFD-A5-501-00000-TCXG-BIM-RPT-00004	R00	17/03/2024	Parcel 5.01- Closeout Reports	For Information
☐		KAFD-A5-501-00000-TCXG-BIM-RPT-00005	R00	17/03/2024	Parcel 5.01- Deviation Report	For Information
☐		KAFD-A5-501-00000-TCXG-BIM-RPT-00006	R00	17/03/2024	Parcel 5.01- QAQC Reports	For Information
☐		KAFD-A5-501-00000-TCXG-BIM-RVM-00001	R01	08/04/2024	Parcel 5.01- Revit	For Action
☐		KAFD-A5-501-00000-TCXG-BIM-TG-00001	R00	17/03/2024	Parcel 5.01- CAFM Data Sheet	For Action

KAFD Operations Service Providers
 KingAbdullah Financial District KAFD DMC
 6469 Northern Ring Road
 Al Aqeeq District - Unit No. 17,
 Riyadh
 Kingdom of Saudi Arabia 13519-3212 Saudi Arabia

Technical Xperts Group
 Technical Xperts Group (FZE- Halwan Subu
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 Al Abar
 Sharjah 00000 United Arab Emirates

MAIL TYPE
 Transmittal

MAIL NUMBER
 TCXG-TRANSMIT-000433

REFERENCE NUMBER
 TCXG-TRANSMIT-000302

Re: Parcel 1.16 Final Deliverable and Handover Document

From Ms Dalia Alotibi - Technical Xperts Group
 To Mr Ram Ganesan - Jones Lang Lasalle
 Cc Mr Mohammad Arsad - King Abdullah Financial District Development & Management
 Sent Sunday, 10 March 2024 9:30:52 AM AST (GMT +03:00)
 Reason IFI - Issued for Information
 Status N/A

 DOCUMENT ATTACHMENTS (12)

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☐	File	Document No	Revision	Revision Date	Title	Status
☐		KAFD-A1-116-00000-TCXG-BIM-3DM-00001	R00	02/11/2023	Parcel 1.16- IFC	Open
☐		KAFD-A1-116-00000-TCXG-BIM-AIM-00001	01	31/10/2023	Parcel 1.16- Navisworks (NWD)	Open
☐		KAFD-A1-116-00000-TCXG-BIM-ASB-00001	R00	23/10/2023	Parcel 1.16- Segregated As built Drawings	For Information
☐		KAFD-A1-116-00000-TCXG-BIM-ASB-00002	R02	18/01/2024	Parcel 1.16- As built Drawings	Open
☐		KAFD-A1-116-00000-TCXG-BIM-DEV-00001	00	31/10/2023	Parcel 1.16- Deviation Report	For Information
☐		KAFD-A1-116-00000-TCXG-BIM-HOD-00001	00	31/10/2023	Parcel 1.16- Closeout Reports	For Information
☐		KAFD-A1-116-00000-TCXG-BIM-OMM-00001	R00	24/10/2023	Parcel 1.16- Segregated O&M Manual	For Information
☐		KAFD-A1-116-00000-TCXG-BIM-QAC-00001	00	31/10/2023	Parcel 1.16- QAQC Reports	For Information
☐		KAFD-A1-116-00000-TCXG-BIM-RPT-00001	00	31/10/2023	Parcel 1.16- Deviation Report	For Information
☐		KAFD-A1-116-00000-TCXG-BIM-RPT-00002	01	31/10/2023	Parcel 1.16- BMS Sheet	Open
☐		KAFD-A1-116-00000-TCXG-BIM-RVM-00001	02	10/03/2024	Parcel 1.16- Revit	Revise & Re-Submit
☐		KAFD-A1-116-00000-TCXG-BIM-TG-00001	01	31/10/2023	Parcel 1.16- CAFM Data Sheet	Open

APPROVALS FROM CONSULTANT

KAFD Operations Service Providers
KingAbdullah Financial District KAFD DMC
6469 Northern Ring Road
Al Aqeeq District - Unit No. 17,
Riyadh
Kingdom of Saudi Arabia 13519-3212 Saudi Arabia

Technical Xperts Group
Technical Xperts Group (FZE- Halwan Subu
- Al Abar - Sharjah - U A E
Al Abar
Sharjah 00000 United Arab Emirates

MAIL TYPE	MAIL NUMBER	REFERENCE NUMBER
Transmittal	TCXG-TRANSMIT-000436	TCXG-TRANSMIT-000301

Re: Parcel 2.07- Final Deliverable and Handover Documents

From	Ms Dalia Alotibi - Technical Xperts Group
To	Mr Ram Ganesan - Jones Lang Lasalle
Cc	Mr Mohammad Arsad - King Abdullah Financial District Development & Management
Sent	Tuesday, 12 March 2024 2:42:29 PM AST (GMT +03:00)
Reason	IFI - Issued for Information
Status	N/A

DOCUMENT ATTACHMENTS (12)

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☐	 	KAFD-A2-207-00000-TCXG-BIM-ASB-00001	R00	30/10/2023	Parcel 2.07- Segregated As built Drawings	For Information
☐	 	KAFD-A2-207-00000-TCXG-BIM-ASB-00002	R04	12/03/2024	Parcel 2.07- As built Drawings	Revise & Re-Submit
☐	 	KAFD-A2-207-00000-TCXG-BIM-BMD-00001	R02	23/11/2023	Parcel 2.07- Navisworks (NWD)	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-BMD-00002	R02	23/11/2023	Parcel 2.07- IFC	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-OMM-00001	R00	30/10/2023	Parcel 2.07- Segregated O&M Manual	For Information
☐	 	KAFD-A2-207-00000-TCXG-BIM-QAC-00001	R01	22/11/2023	Parcel 2.07- QAQC Reports	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-RPT-00003	R01	22/11/2023	Parcel 2.07- Deviation Report	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-RPT-00004	R01	22/11/2023	Parcel 2.07- Closeout Reports	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-RPT-00005	R02	23/11/2023	Parcel 2.07- BMS Sheet	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-RPT-00006	R01	22/11/2023	Parcel 2.07- Asset Comparison Reports With Point Cloud	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-RVM-00001	R02	23/11/2023	Parcel 2.07- Revit	Open
☐	 	KAFD-A2-207-00000-TCXG-BIM-TG-00001	R03	21/01/2024	Parcel 2.07- CAFM Data Sheet	Open

KAFD Operations Service Providers
King Abdullah Financial District KAFD DMC
6469 Northern Ring Road
Al Aqeeq District - Unit No. 17,
Riyadh
Kingdom of Saudi Arabia 13519-3212 Saudi Arabia

Technical Xperts Group
Technical Xperts Group (FZE- Halwan Subu
- Al Abar - Sharjah - U A E
Al Abar
Sharjah 00000 United Arab Emirates

MAIL TYPE
Transmittal

MAIL NUMBER
TCXG-TRANSMIT-000437

REFERENCE NUMBER
TCXG-TRANSMIT-000347

Re: Parcel 6.23- Final Deliverable and Handover Documents

From Ms Dalia Alotibi - Technical Xperts Group
To Mr Ram Ganesan - Jones Lang Lasalle
Cc Mr Mohammad Arsad - King Abdullah Financial District Development & Management
Sent Wednesday, 13 March 2024 12:22:03 PM AST (GMT +03:00)
Reason IFI - Issued for Information
Status N/A

DOCUMENT ATTACHMENTS (12)

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☐	File	Document No	Revision	Revision Date	Title	Status
☐		KAFD-A6-NSP-00000-TCXG-BIM-3DM-00002	R01	10/01/2024	Parcel 6.23- Navisworks (NWD)	Open
☐		KAFD-A6-NSP-00000-TCXG-BIM-AIM-00004	R01	10/01/2024	Parcel 6.23- IFC	Open
☐		KAFD-A6-NSP-00000-TCXG-BIM-ASB-00005	R00	01/01/2024	Parcel 6.23- Segregated As built Drawings	For Information
☐		KAFD-A6-NSP-00000-TCXG-BIM-ASB-00006	R03	13/03/2024	Parcel 6.23- As Built Drawings	Revise & Re-Submit
☐		KAFD-A6-NSP-00000-TCXG-BIM-BMD-00003	R01	10/01/2024	Parcel 6.23- BMS Sheet	Open
☐		KAFD-A6-NSP-00000-TCXG-BIM-OMM-00001	R00	01/01/2024	Parcel 6.23- Segregated O&M Manual	For Information
☐		KAFD-A6-NSP-00000-TCXG-BIM-QAC-00003	R00	01/01/2024	Parcel 6.23- QAQC Reports	Open
☐		KAFD-A6-NSP-00000-TCXG-BIM-RPT-00007	R01	10/01/2024	Parcel 6.23- Closeout Reports	For Information
☐		KAFD-A6-NSP-00000-TCXG-BIM-RPT-00008	R01	10/01/2024	Parcel 6.23- Asset Comparison Reports With Point Clouds	For Information
☐		KAFD-A6-NSP-00000-TCXG-BIM-RPT-00009	R01	10/01/2024	Parcel 6.23- Deviation Reports	For Information
☐		KAFD-A6-NSP-00000-TCXG-BIM-RVM-00003	R02	22/01/2024	Parcel 6.23- Revit	Open
☐		KAFD-A6-NSP-00000-TCXG-BIM-TG-00003	R01	10/01/2024	Parcel 6.23- CAFM Data Sheet	Open

3/03/2022, 09:21

Aconex



MAIL TYPE	MAIL NUMBER	REFERENCE NUMBER
Transmittal	AECOM-TRANSMIT-000318	MBL-CL-TRANSMIT-000389

Re: BIM Execution Plan - Technical Xperts Group (TXG)

From: Mr Akhlaq Ahmad - AECOM

To (3): Mr Chrysovalantis Kirykos - AECOM (+2 more...)

Cc (21): Mr Ahmed Baamer - AECOM (+20 more...)

Sent: Monday, March 7, 2022

Reason: Issued for Action

MESSAGE

Dear MBL/TXG Team,

Please 'Approved with Comments' incorporating below and attached comments.

- Provide MPDT (Model Production Delivery Table) Template
- Categories the MIDP in more details (attached images as example)
- Reload The Splash screen into the project Template

Regards,
Akhlaq Ahmad

From: S Khan
Sent: 3/6/22 3:36:06 PM AST (GMT +03:00)
To: Akhlaq Ahmad, Chrysovalantis Kirykos, Gunjan Shah
Cc: Ahmed Baamer; Fabio Pavanetto, Mohamed Aboosaheethu, Mohammed Afzaluddin, Jayasinghe Jayantha, Muttalip Tutar, Shabaz Zameel, Niccolò Franceschini, Ona Vileikis, Fadi Hindi, Sandra Rishani, Ahmad Steitiyeh, Sassine Abboud, Azmi Fakhoui, Antonios Galanoulis, Noel Kennedy, Nadim Lababidi, Mohammad Al Mana, Ahmed Alshahrani, Mossab Alshaibi, David Norman
Mail Number: MBL-CL-TRANSMIT-000389
Subject: BIM Execution Plan

Dear ACEOM,
Please find herewith the BIM attached with below stated for your review & approval.
HBH-MBL-DSN-PLN-003-R02 - BIM Execution Plan

[tps://ksa1.aconex.com/Logon?mainTarget=%2FViewCorrespondence%3FCorrespondence_ID%3D1352568623%26CORRESPONDENCE_MAILBO...](https://ksa1.aconex.com/Logon?mainTarget=%2FViewCorrespondence%3FCorrespondence_ID%3D1352568623%26CORRESPONDENCE_MAILBO...) 1/2

79 NEOM Bay Airport (NUM)

ITCC Complex, Al Raidah Digital City,
2nd Floor, Building IN01
Riyadh
Saudi Arabia

**MAIL TYPE**

Workflow Transmittal

MAIL NUMBER

ACM-WTRAN-008757

REFERENCE NUMBER

ACM-WTRAN-008757

Final (WF-003805) 79-4800000797 Temporary Interim Terminals Phase 2 (TIT2) - 3C Detailed Design - Book 3 - BIM Execution Plan-Technical Xperts Group(TXG)

From Mr Mark Rosario - AECOM

To (5) NEOM PMC PTS - AECOM (+4 more...)

Cc (8) Suhail Ahmad - AECOM (+7 more...)

Sent Monday, December 11, 2023 9:32:00 AM AST (GMT +03:00)

Status N/A

DOCUMENT ATTACHMENTS (2)

(0 selected)					
File	Document No	Revision	Revision Date	Title	Status
	79-111000-4800000797-MBL-DIG-BIM-000001	D	11/29/23	4800000797 - Temporary Interim Terminals Phase 2 (TIT2) - 3C Detailed Design - Book 3 - BIM Execution Plan	B - Incorporate Comments - Proceed
	79-111000-4800000797-MBL-DIG-CRS-000001	D	11/29/23	4800000797 - Temporary Interim Terminals Phase 2 (TIT2) - 3C Detailed Design - Book 3 - BIM Execution Plan - CRS	B - Incorporate Comments - Proceed

MESSAGE**Workflow Review History**

The attached documents have completed the "79-4800000797 Temporary Interim Terminals Phase 2 (TIT2) - 3C Detailed Design - Book 3 - BIM Execution Plan" workflow with the following results :

This transmittal was automatically generated.

Doc No	Step	Participant	Review Outcome	Comments
79-111000-4800000797-MBL-DIG-BIM-000001	PTS Review	N PTS	E - Review Not Required - Proceed	Refer to Region Manager's comment

://ksa1.aconex.com/hub/index.html?mainTarget=%2FViewCorrespondence%3FCorrespondence_ID%3D1367847097%26CORRESPONDENCE...

APPROVALS FROM CONSULTANT

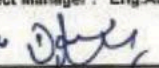
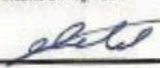
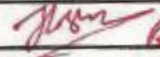
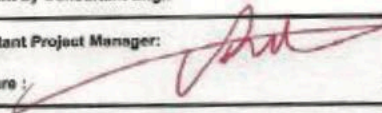
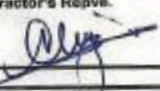
12/11/23, 1:26 PM

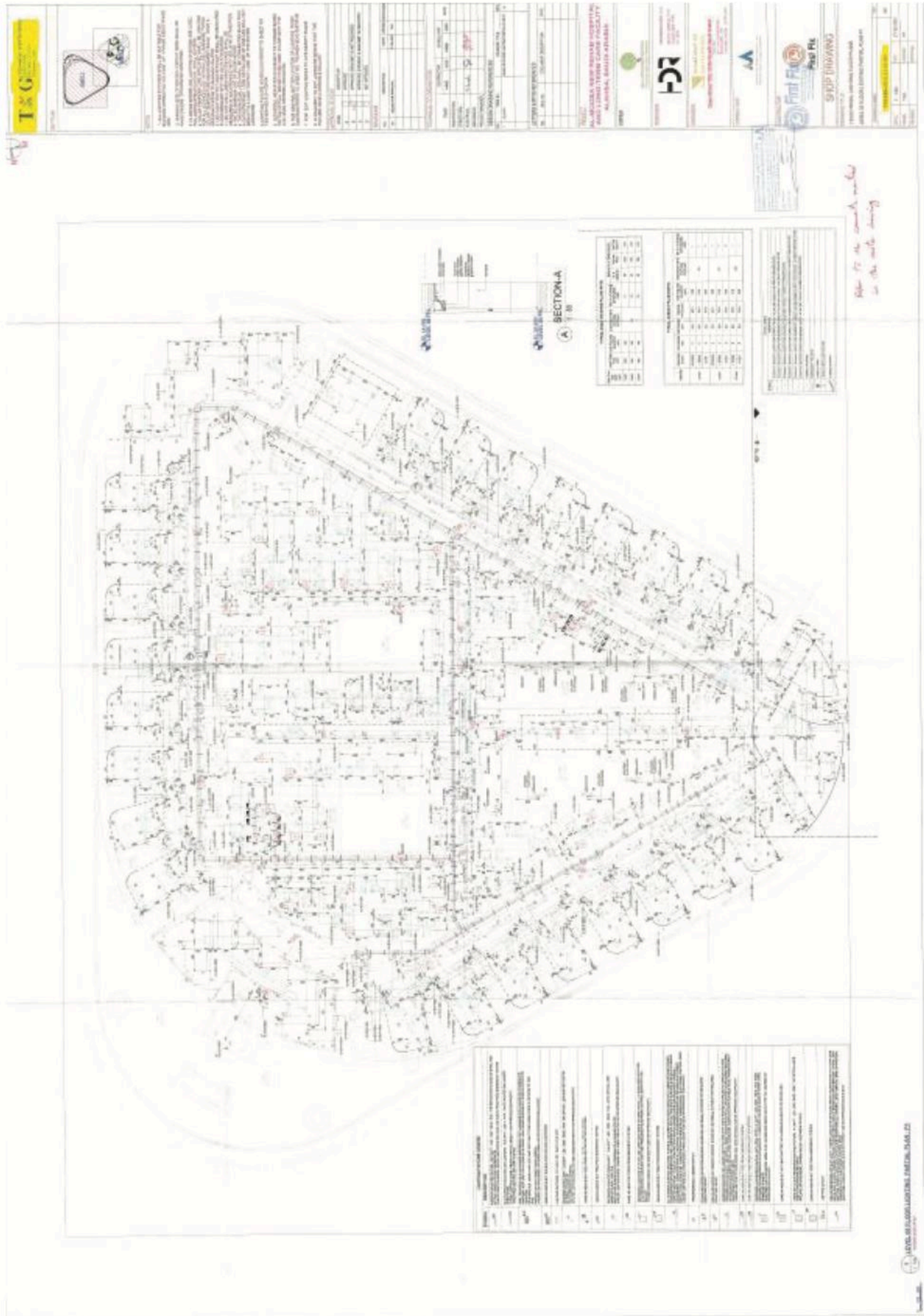
Aconex

	PTS Region Manager	K AlAzawi	B - Incorporate Comments - Proceed	Refer to the Comments with attached CRS
	PTS Signoff	N Alawar	B - Incorporate Comments - Proceed	Refer to the CRS for details
	PMC Review	M Rosario	B - Incorporate Comments - Proceed	
79-111000-4800000797- MBL-DIG-CRS-000001	PTS Review	N PTS	E - Review Not Required - Proceed	Refer to Region Manager's comment
	PTS Region Manager	K AlAzawi	B - Incorporate Comments - Proceed	Refer to the Comments with attached CRS
	PTS Signoff	N Alawar	B - Incorporate Comments - Proceed	Refer to the CRS for details
	PMC Review	M Rosario	B - Incorporate Comments - Proceed	

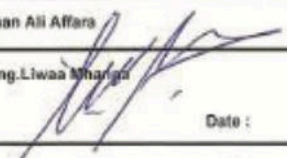
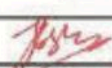
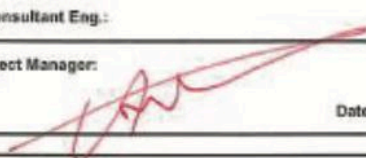
			
Client	PMC	LDC	Contractor
Saudi Entertainment Ventures	Khatib & Alami	Dar International Engineering Consultancy	Modern Building Leaders
Project name: Program 5: Abha Entertainment Complex			
Location: Abha		Contract No.:	
Scope of Work-Technical Xperts Group (TXG) (BIM - Scope of Work)			
New Submittal ☒	Submittals NO	Submittals date	Revision
ReSubmit ☐	8ABHA06-ABHA-06-MBL-BM-SOW-00001	21-Dec-2022	0
Document purpose	☐ For information	☐ For Notes	☒ For Approval
DECLINE	☒ BIM	☐ Arc. ☐ Struc.	☐ Mech. ☐ Elec. ☐ Planning ☐ Safety
Document type	☐ (Quality)	☐ (Method of statement)	☐ (Time Schedule)
	☐ (Soil Report)	☐ (Policies)	☐ (Monthly Report)
	☐ Weekly Report)	☒ (Scope of Work)	☐ (General Report)
Attachments	1	2	3
Sr.	Document TITLE	Document NO	Document Status
1	P6-Abha- BIM-Scope of Work	8ABHA06-ABHA-06-MBL-BM-SOW-00001	For Approval
Project Manager (Contractor)		Sr. Engineer (Contractor)	
Name:	Eng. Hesham Shawarby		
Signature:			
Date:	21-Dec-22		
Remarks:			
Supervision Consultant representative		PMC representative	
Name:	Ashraf AbdalRahim	Name:	
Signature:		Signature:	
Position:	Resident Engineer	Position:	
Date:		Date:	
Document Status			
(A) ☐ Approved As Submitted	(B) ☒ Approved with Comments	(C) ☐ Revise and Resubmit	(D) ☐ Rejected
Issued by the contractor:	Signature:	From the consultant:	Signature:
	Date:		Date:
FR-QC-CW00001-01		Issue Date 14 November 2021	
		Rev.00	

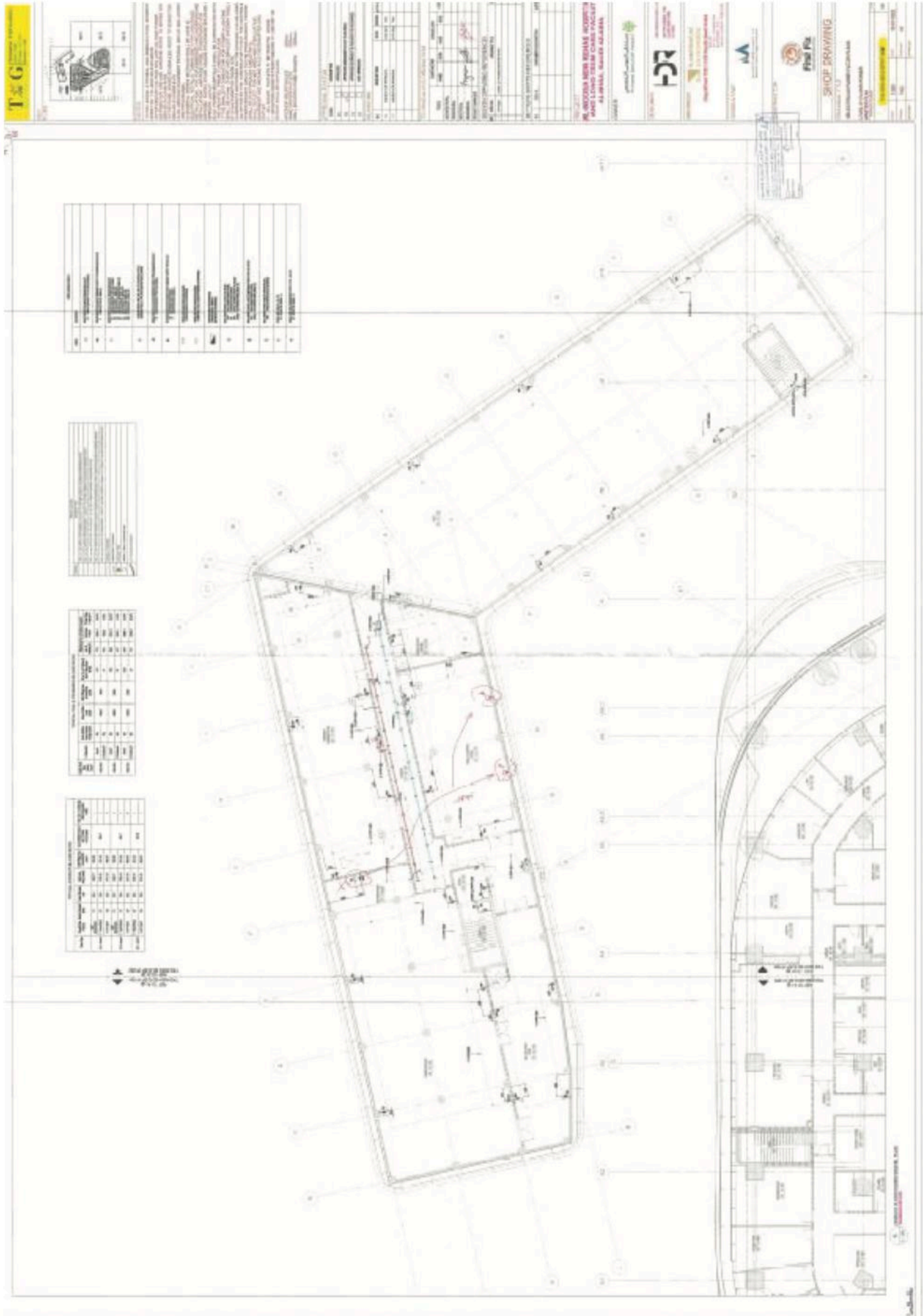
APPROVALS FROM CONSULTANT

EMPLOYER		Consultant		CONTRACTOR	
 مستشفى المواسي التخصصي Almoosa Specialist Hospital - شارع عمان -		 General Contracting & Engineering Ahmed Al-Moosa Group of Companies		 First Fix Electrical Installation & Maintenance The Fundamental Installation for every work	
DRAWING SUBMITTAL (DWGs)					
Date: 11-Mar-21					
AL-MOOSA REHAB AND LONG-TERM CARE FACILITY					
DISCIPLINE: ☒ SHOP DRAWING ☐ As BUILT DRAWING ☐ OTHER					
ARCHITECTURAL	☐	CIVIL / STRUC	☐	NEW	☒
ID	☐	ELECTRICAL	☒	RE-SUBMITTAL	☐
LANDSCAPE	☐	MECHANICAL	☐	SUBSTITUTION	☐
				SUBMITTAL REF. NO. FF-MSH-SD-ELE-095	
				SUBM. REVISION NO. 00	DATE SUBMITTED 11-Mar-21
ITEM NO.	DESCRIPTION			FLOOR	DRAWING REF. NO.
1	LEVEL 05 FLOOR LIGHTING MASTER PLAN			LEVEL 05	TXG-MSH-SD-E-EL-5F-000
2	LEVEL 05 FLOOR LIGHTING PARTIAL PLAN-P1			LEVEL 05	TXG-MSH-SD-E-EL-5F-001
 شركة التركيبات الكهربائية للمواسي THE FUNDAMENTAL INSTALLATION FOR ELECTRIC WORK Al Moosa Specialist Hospital مشروع مستشفى المواسي التخصصي					
CONTRACTOR'S ENGINEERS					
We certify that the above mentioned drawings have been reviewed and coordinated in detail with other disciplines and are correct and in strict conformity with the contractual drawings.					
Prepared by Contractor Eng: Shadi Hazouri				Signature: 	Date: 11-Mar-21
Contractor Project Manager : Eng. Abdallah Kassar				Rcvd. by Consultant's Repre. :	
Signature :  Date : 11-Mar-21				Signature :  Date : 11-03-2021	
ENGINEER'S REMARKS :					
<i>* Refer to the attached comment sheet and the comments mentioned in the drawing</i>					
Approval of the drawings doesn't relieve the main contractor of his Contractual liabilities.					
☐ A APPROVED ☒ B APPROVED (RESUBMIT IS NOT REQUIRED) ☐ C APPROVED (CORRECT & RESUBMIT IS REQUIRED) ☐ D NOT APPROVED ☐ E For Info.					
Comment by Consultant Eng.:				Signature: 	Date: 14/3/2021
Consultant Project Manager:				Rcvd. by Contractor's Repre.	
Signature :  Date : 14-3				Signature :  Date : 14/03/2021	

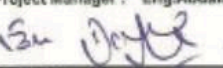
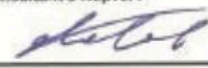
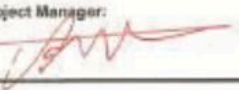


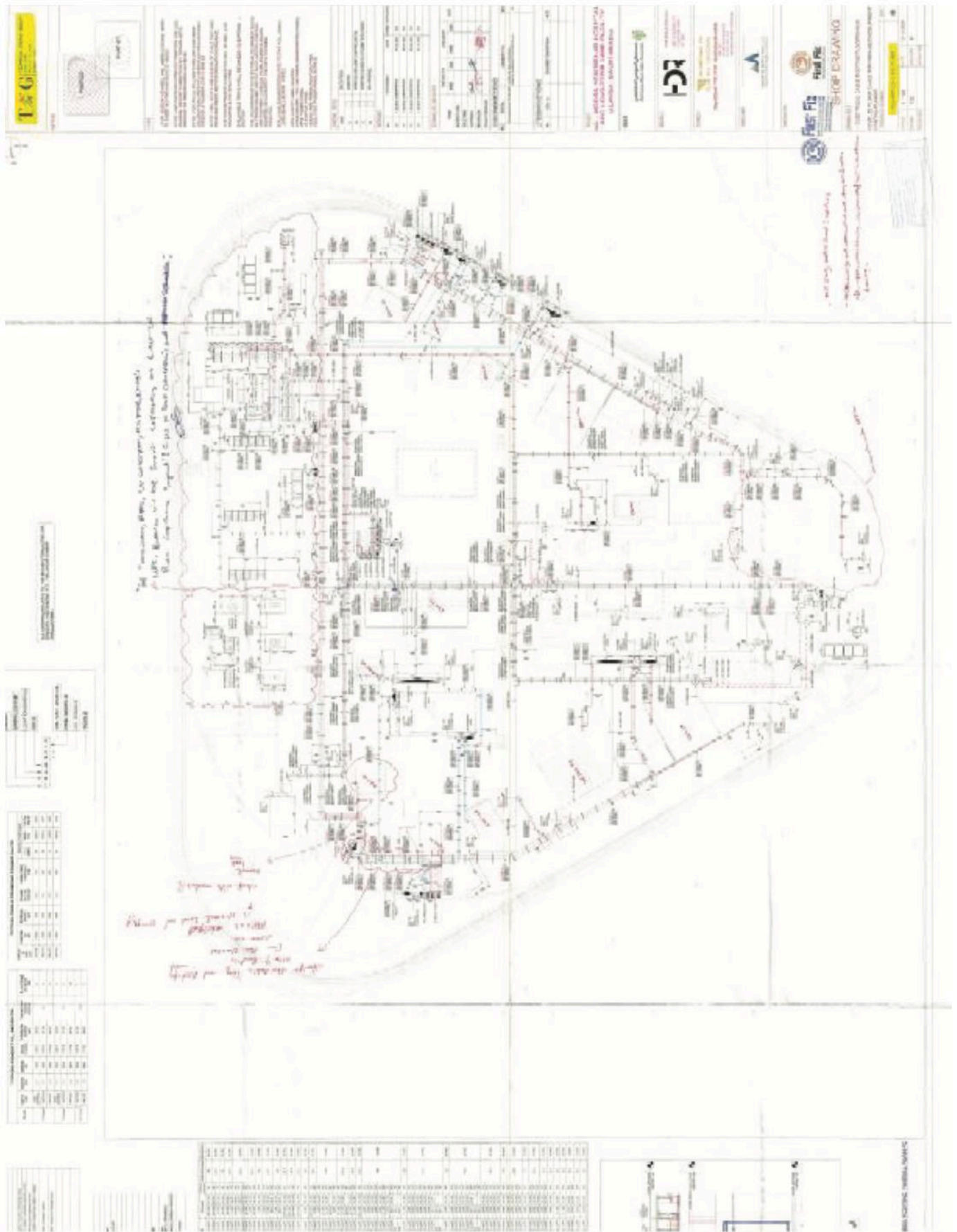
APPROVALS FROM CONSULTANT

EMPLOYER		Consultant		CONTRACTOR													
 مستشفى المواساة التخصصي Almoosa Specialist Hospital - برج عمار -		 Technical Experts Group Technical Experts Group for Engineering Services		 First Fix The Contractor's Solution for electrical work													
DRAWING SUBMITTAL (DWGs)																	
Date: 16-Jul-22																	
AL-MOOSA REHAB AND LONG-TERM CARE FACILITY																	
DISCIPLINE: ☒ SHOP DRAWING ☐ As BUILT DRAWING ☐ OTHER																	
ARCHITECTURAL ☐		CIVIL / STRUC ☐		NEW ☐													
ID ☐		ELECTRICAL ☒		RE-SUBMITTAL ☒													
LANDSCAPE ☐		MECHANICAL ☐		SUBSTITUTION ☐													
SUBMITTAL REF. NO. FF-MSH-SD-E-EP-1F-030				SUBM. REVISION NO. 01													
				DATE SUBMITTED 16-Jul-22													
EM NO.	DESCRIPTION			DRAWING REF. NO.	NO. OF COPIES												
1	LEVEL 01 FLOOR POWER MASTER PLAN			TXG-MSH-SD-E-EP-1F-000	1												
					DWG Rev. 01												
					ACTION CODE B												
																	
CONTRACTOR'S ENGINEERS																	
I certify that the above mentioned drawings have been reviewed and coordinated in detail with other disciplines and are correct and in strict conformity with the contractual drawings.																	
Prepared by Contractor Eng. Ayman Ali Affara				Signature: 													
Contractor Project Director : Eng. Liwaa Mhanna				Rcvd. by Consultant's Repve. :													
Signature : 				Signature : 													
Date :				Date :													
ENGINEER'S REMARKS :																	
* Refer to the comments mentioned in the drawings * All Conduit and Accessories shall be Rigid steel conduit. (RSC)																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">☐ A</td> <td style="text-align: center;">APPROVED</td> <td style="text-align: center;">☒ B</td> <td style="text-align: center;">APPROVED AS NOTED</td> <td style="text-align: center;">☐ C</td> <td style="text-align: center;">Disapproved (Revise & Resubmit)</td> </tr> <tr> <td style="text-align: center;">☐ D</td> <td style="text-align: center;">Rejected</td> <td style="text-align: center;">☐ E</td> <td style="text-align: center;">No Action Taken</td> <td style="text-align: center;">☐ F</td> <td style="text-align: center;">For Information</td> </tr> </table>						☐ A	APPROVED	☒ B	APPROVED AS NOTED	☐ C	Disapproved (Revise & Resubmit)	☐ D	Rejected	☐ E	No Action Taken	☐ F	For Information
☐ A	APPROVED	☒ B	APPROVED AS NOTED	☐ C	Disapproved (Revise & Resubmit)												
☐ D	Rejected	☐ E	No Action Taken	☐ F	For Information												
Approval of the drawings doesn't relieve the main contractor of his Contractual liabilities.																	
Comment by Consultant Eng.:				Signature: 													
Consultant Project Manager:				Rcvd. by Contractor's Repve.													
Signature : 				Signature : 													
Date :				Date : 18-07-22													

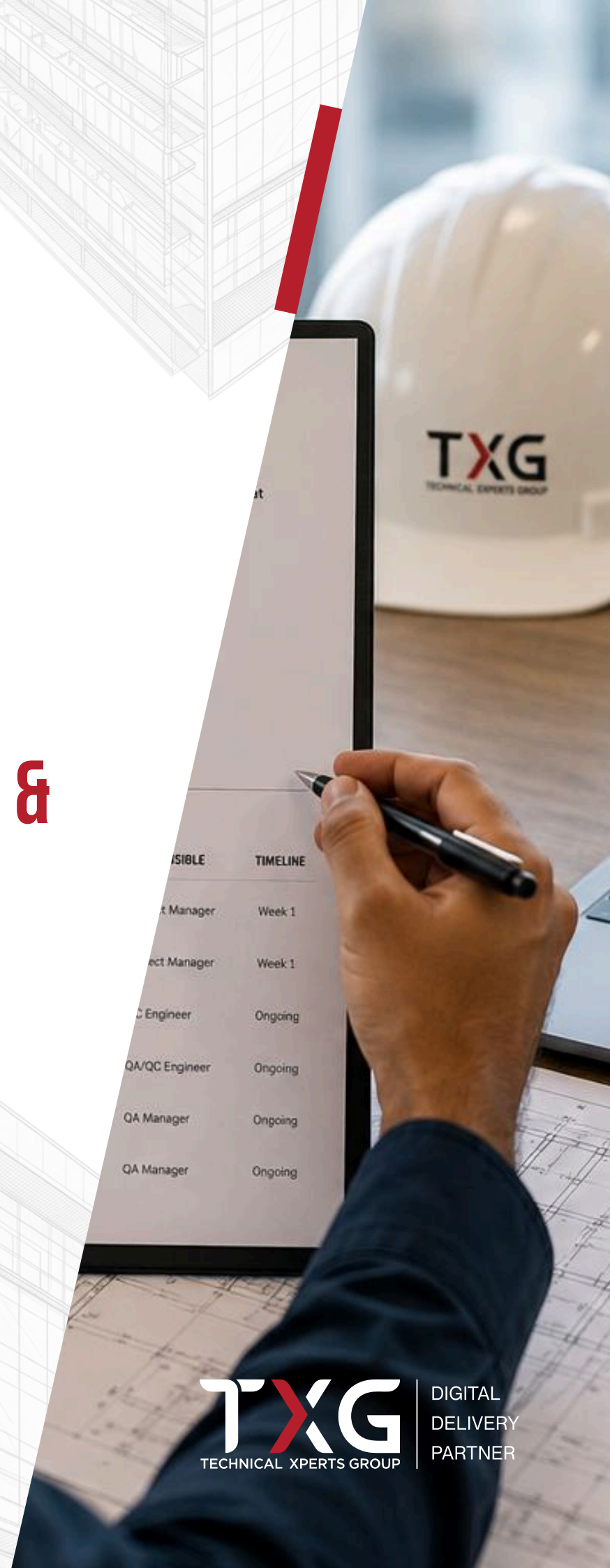


APPROVALS FROM CONSULTANT

EMPLOYER		Consultant		CONTRACTOR	
 مستشفى موسى التخصصي Almoosa Specialist Hospital		 مستشارية التصميم والبناء ALMOOSA SPECIALIST HOSPITAL CONSULTANTS		 First Fix	
DRAWING SUBMITTAL (DWGs)					
Date: 16-Jan-22					
AL-MOOSA REHAB AND LONG-TERM CARE FACILITY					
DISCIPLINE: ☒ SHOP DRAWING ☐ As BUILT DRAWING ☐ OTHER					
ARCHITECTURAL ☐		CIVIL / STRUC ☐		NEW ☐	
ID ☐		ELECTRICAL ☒		RE-SUBMITTAL ☒	
LANDSCAPE ☐		MECHANICAL ☐		SUBSTITUTION ☐	
SUBMITTAL REF. NO. FF-MSH-SD-ELE-058					
SUBM. REVISION NO. 04		DATE SUBMITTED 16-Jan-22			
ITEM NO.	DESCRIPTION	FLOOR	DRAWING REF. NO.	NO. OF COPIES	DWG Rev.
1	LEVEL 02 FLOOR CABLE ROUTING & MECH. EQUIPMENT PARTIAL PLAN-P3	LEVEL 02	TXG-MSH-SD-E-EC-2F-003	01	02
 شركة التصميم والبناء THE FUNDAMENTAL INSTALLATION OF ELECTRICAL WORK ALMOOSA SPECIALIST HOSPITAL مستشفى موسى التخصصي					
CONTRACTOR'S ENGINEERS					
Supporting document provided.					
We certify that the above mentioned drawings have been reviewed and coordinated in detail with other disciplines and are correct and in strict conformity with the contractual drawings.					
Prepared by Contractor Eng: Muhammad Noman			Signature: 	Date: 16/01/2022	
Contractor Project Manager: Eng. Abdallah Kassar			Rcvd. by Consultant's Repve.:		
Signature: 			Signature: 		
Date: 16/01/2022			Date: 16-01-2022		
ENGINEER'S REMARKS:					
* Refer to the comments mentioned in the attached comment sheet					
* Refer to the comments mentioned in the drawings					
Approval of the drawings doesn't relieve the main contractor of his Contractual liabilities.					
☐ A APPROVED ☒ B APPROVED (RESUBMIT IS NOT REQUIRED) ☐ C APPROVED (CORRECT & RESUBMIT IS REQUIRED) ☐ D NOT APPROVED ☐ E For Info.					
Comment by Consultant Eng.:			Signature: 	Date: 24/1/2022	
Consultant Project Manager:			Rcvd. by Contractor's Repve.		
Signature: 			Signature: 		
Date: 24-1-2022			Date: 24-01-2022		
09:29 pm					



COMPANY QUALITY POLICY & QUALITY PLAN



RESPONSIBLE	TIMELINE
Project Manager	Week 1
Project Manager	Week 1
QC Engineer	Ongoing
QA/QC Engineer	Ongoing
QA Manager	Ongoing
QA Manager	Ongoing

TXG is committed to delivering excellence through a well-defined BIM Project Quality Plan (PQP) that ensures accuracy, consistency, and reliability across all project stages. Our quality framework encompasses four key checks:

- **Visual Checks** to verify design intent and eliminate unintended model components.
- **Interference Checks** to detect and resolve clashes, both soft and hard, ensuring seamless coordination.
- **Standards Checks** to confirm compliance with EIR and AIR requirements, including naming conventions, dimensions, and documentation protocols.
- **Model Integrity Checks** to validate that project data is accurate, non-duplicated, and compliant, with corrective measures applied where necessary.

By embedding these quality checks into every stage of project execution, TXG ensures the highest standards of digital delivery, reinforcing our commitment to innovation, efficiency, and client satisfaction.

TXG PQP QUALITY PLAN

CHECKS	DEFINITION	RESPONSIBLE PARTY	SOFTWARE PROGRAM (S)	FREQUENCY
Visual Check	Ensure there are no unintended model components, and the design intent has been followed.	BIM Specialists	–	TBD
Interference Check	Detect problems in the BIM where two building components are clashing including soft and hard.	BIM Coordinators	Autodesk Revit, Navisworks	TBD
Standards Check	Ensure that the EIR and AIR documents have been followed (naming conventions, legibility, dimensions, line styles, level/layers etc.)	BIM Developers	TXG AI Application to simplify QA/QC process	TBD
Model Integrity Check	Describe the QC validation process used to ensure that the Project Facility data set has no undefined, incorrectly defined or duplicated elements and the reporting process on non-compliant elements and corrective action plans.	BIM Developers	BIM Interoperability using custom Plugins and MS Excel	TBD

Consultant:  Modern Building Leaders	BIM Consultant:  TECHNICAL EXPERTS GROUP
Project: L01, Riyadh, Kingdom of Saudi Arabia.	
Date Issued: 08-01-2023	Page 1 of 3
Document Title: BIM Model Check list	

Model Number	
Model Description	
Reviewed By	
Date	

SL#	Description	Check	Remarks
A	General Checks		
1	Naming of Model		
2	Visual check of the Model		
3	Model location, Shared coordinate, Placement of origin point and Survey point.		
4	Shared Parameter are properly assigned		
5	BEP and BEXEL Gap Analysis Report applied		
6	Model size not exceeding 1GB		
7	Proper Project Phase applied		
B	Model Development		
1	Families and Types as per Material Submittal		
2	No nested families and Model groups are in Model		
3	All model elements are pinned		
4	Model Element Naming		
	Levels		
	Worksets		
	Revit Families and Types		

Consultant:		BIM Consultant:	
Project: L01, Riyadh, Kingdom of Saudi Arabia.			
Date Issued: 08-01-2023		Page 2 of 3	
Document Title: BIM Model Check list			

SL#	Description	Check	Remarks
	Rooms/ Spaces	☐	
	Zones	☐	
5	NRM Standards applied, and Schedules are prepared	☐	
C	Model Element Information		
1	Project Information	☐	
2	Room/ Space	☐	
3	Family and Type	☐	
4	Mapping of IFC Class/ UniClass/ OmniClass	☐	
5	NRM standard application, RAF number, CSI Code updated in Keynote	☐	
6	Manufacturer/ Model Number / Serial Number of Elements updated in Model	☐	
7	WIR, RFI and CIC	☐	
D	Preparation of D06 Sheets form Model (Based on the SOW)		
1	Splash Screen and Information	☐	
2	Sheet Information	☐	
3	Tagging of Elements	☐	
E	Model integrity checks		
1	Resolution of warnings	☐	
2	Model contents are in proper Worksets	☐	
3	Coordinated with other discipline	☐	
4	Model Clashes – Intra disciplinary	☐	

Consultant:	 Modern Building Leaders	BIM Consultant:	 TECHNICAL XPERTS GROUP
Project: L01, Riyadh, Kingdom of Saudi Arabia.			
Date Issued: 08-01-2023		Page 3 of 3	
Document Title: BIM Model Check list			

SL#	Description	Check	Remarks
5	Model Clashed – Inter disciplinary	☐	
6	All maintainable Elements (As per AIR) detecting the Room/ Space automatically	☐	
7	All Elements are in proper level reference	☐	
8	Removed unnecessary views, schedules, links from model	☐	
9	Model purge, Model cleanup including	☐	

BIM EXECUTION PLAN



TRANSMITTAL FORM

Transmittal Ref.	L01-SAPL-MBLC-D00-TRN-025072	Date	03 August 2024		
Program	Project Management Consultancy Services for Crown Prince Private Affairs (CPPA)				

Project	L01	Scope	L01-00-General for L01 Office Complex		
From PMC	Saudi Arabian Parsons Ltd. - SAPL				
To Contractor	Modern Building Leaders Co. Ltd.				
Attention To	Khalil Atieh				
Copy To	DAR, F+G and CSI Document Management Department				

Enclosures

☐ Drawings

☐ Letters

☐ Reports

☐ Subcon Prequalification

☐ Material Submittal

☒ Schedule / Plan

☐ Samples

☐ Specifications

☐ Other

Submitted

☐ For Approval

☐ As Requested

☐ For Review & Comments

☒ Other For Information & Action

Item Details					
SN	Description	Media	Reference No.	Rev	Status
1	L01-00-00 Building Information Modelling (BIM) Execution Plan (BEP)	Email	L01-MBLC-D00-BCD-PLN-001556	06	2
	***** Nothing Follows *****				

Remarks:

Please find the attached for the mentioned above.

OCS for MBL TRN Ref.# **L01-MBLC-SAPL-D00-TRN-033630.**

Note: OCS Excel file is available on the L01-Document Storage and can be accessed vide the link provided in the email:

Review Status Code - 1 - Engineer's No Objection 2 - Engineer's No Objection with Comments 3 - Engineer's Objection

Transmitted by

Name	Neil Hawke	Signature		Date	03 August 2024
------	------------	-----------	--	------	----------------

Received by

Name		Signature		Date	
------	--	-----------	--	------	--

Dalia Alotibi TECHNICAL XPERTS GROUP	Post Contract BIM Execution Plan TRANSMITTAL	05/02/2023 TCXG-TRANSMIT-000152
---	---	------------------------------------

Dalia Alotibi TECHNICAL XPERTS GROUP	Re: Post Contract BIM Execution Plan TRANSMITTAL	01/03/2023 TCXG-TRANSMIT-000163
---	---	------------------------------------

Joan Calata KING ABDULLAH FINANCIAL DISTRICT DEVELOPMENT & ...	Re: Post Contract BIM Execution Plan TRANSMITTAL	15/06/2023 KFD-TRANSMIT-004370
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KAFD Operations Service Providers

KingAbdullah Financial District KAFD DMC

6469 Northern Ring Road

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**MAIL TYPE**

Transmittal

MAIL NUMBER

KFD-TRANSMIT-004370

REFERENCE NUMBER

TCXG-TRANSMIT-000152

Re: Post Contract BIM Execution Plan

From Ms Joan Calata - King Abdullah Financial District Development & Management

To (2) Mr Dundappagouda Yalawar - ICAD/TXG (dundappa@bglive.in) (+1 more...)

Cc (4) Mr Ram Ganesan - Jones Lang Lasalle (+3 more...)

Sent Thursday, 15 June 2023 3:30:00 PM AST (GMT +03:00)

Reason IFI - Issued for Information

Status N/A

DOCUMENT ATTACHMENTS (1)

(0 selected)

File	Document No	Revisor	Revisor Date	Title	Status
	KAFD-LF-GEN-00000-TCXG-BIM-PEP-00001	03	15/06/2023	Post Contract BIM Execution Plan	A- Approved

ATTRIBUTES

Attribute 1 BIM - Building Information Modeling

MESSAGE

Dear Dalia,

Good day!

Please find attached signed Post Contract BIM Execution Plan for your reference.

Should you need further assistance/clarification, please let us know. Thank you.

DOCUMENT ISSUE SHEET

Project Name		King Abdullah Financial District			
Document Title		Post Contract BIM Execution Plan			
Document Number		KAJD-LF-NSP-00000-TXG-OPE-PEP-00001			
Revisions					
Rev	Date	Prepared by (TXG)	Reviewed By (JLL)	Checked by (KAJD)	Approved by (KAJD)
00	06/05/2022	Mr. Binesh Babu K	N/A	Mr. Mohammad Asad	Ms. Sara Al Qithmi
01	05/07/2022	Mr. Binesh Babu K	N/A	Mr. Mohammad Asad	Ms. Sara Al Qithmi
02	01/08/2022	Mr. Binesh Babu K	N/A	Mr. Mohammad Asad	Ms. Sara Al Qithmi
03	01/02/2023	Mr. Binesh Babu K	Mr. Ram Ganesan	Mr. Mohammad Asad	Ms. Sara Al Qithmi
Approved Revisions					
Revision	Date	Operation Support		COO	
02	01/08/2022	Ms. Sara Al Qithmi		Mr. Stephen Thomas	
Reviewed By (JLL)					
Mr. Ram Ganesan					
No Objection To Issue By					
Sign-off		Operations Platform Senior Manager			
Name		Ms. Sara AlQithmi			
Signature					
Date		13/01/2023			

COMPANY SAFETY POLICY

SAFETY POLICY

The long-term success of TXG relies on our ability to consistently enhance the quality of our services while prioritizing the safety of people, equipment/plant, and the environment. TXG is dedicated to creating and maintaining a safe and healthy workplace, as well as a clean environment. This dedication benefits our customers, employees, contractors, and the communities where we operate. All employees and subcontractors at TXG are expected to actively commit to and take responsibility for health, safety, and environmental (HSE) practices. Line managers at TXG play a crucial role in communicating, implementing, and ensuring compliance with HSE policies, management systems, and procedures.

In order to support this policy, TXG is committed to:

- Strive to achieve the objective of preventing work-related injuries and illnesses for all individuals.
- Reduce environmental impact by preventing pollution, decreasing consumption of natural resources and emissions, and minimizing waste generation.
- Encourage a culture where all employees are committed to health, safety, and environmental practices both at work and at home.
- Empower all employees by giving them the right to begin work only when conditions are safe, to stop work if conditions are unsafe for themselves or others, and to report any unsafe acts or conditions.
- Individually and collectively, comply with the HSE management system's requirements.
- Providing all necessary resources to facilitate the implementation of this Policy.
- Ensuring compliance with HSE Royal Decrees, Ministerial Regulations in Saudi Arabia and other GCC countries, as well as international standards and best practices.

To achieve the above commitment TXG will take all necessary steps to fulfill the following:

- Develop and implement HSE Management System and Procedures.
- Recognize all potential construction hazards and the risks they pose, then implement appropriate control measures to mitigate them.
- Develop and embed the construction's lifesaving rules.
- Establishing HSE objectives, targets, and management programs/plans to achieve ongoing improvement.
- Measuring, reviewing and publicly reporting on HSE performance.
- Efficiently incorporate HSE principles into all TXG business operations.
- Requiring TXG subcontractors to manage HSE in line with this Policy.
- Consistently increasing awareness of HSE issues through active participation and training.
- Maintain a separate Legal Register updated with current legal requirements and ensure they are implemented accordingly.

Closing Note:

Our goal is to promote HSE as a core value for every employee and achieve a high level of HSE performance that we can all be proud of. This will help us earn the trust of our clients and society as a whole.

RISKS	MITIGATION
Data Incompatibility – Different service providers may use varying BIM tools, file formats, and data standards, leading to incompatibility issues when integrating models.	- Establish a common data environment (CDE) with agreed-upon BIM standards and protocols (e.g., ISO 19650) - Use industry-standard formats like IFC (Industry Foundation Classes) for interoperability. - Implement regular quality checks and validation procedures to ensure compatibility across platforms.
Lack of Coordination – Poor communication and coordination between service providers can lead to duplicated efforts, design clashes, or misaligned project schedules.	- Appoint a BIM coordinator to oversee and facilitate communication between different teams. - Schedule regular coordination meetings and use collaborative platforms for model sharing and review. - Implement clash detection tools to identify and resolve conflicts early.
Delays Due to Dependency on External Providers – A delay by one service provider can cause bottlenecks, delaying the entire project, especially if models need to be integrated sequentially.	- Create a detailed project timeline that accounts for dependencies between service providers. - Use project management tools (e.g., Gantt charts, PERT diagrams) to monitor timelines and dependencies. - Implement a risk management plan to address potential delays with contingency measures.
Non-availability of Subcontractor BIM Capability – Vagueness in roles and responsibilities may cause gaps in project coverage or accountability issues when errors occur.	- If any subcontractor is incapable, TXG shall take over the responsibility of BIM and support the project.

QUALITY PLAN

1. Overall Strategy for Quality control

BIM manager and BIM Specialists are responsible for quality assurance of Digital data. The team will be followed formal methods and NMDC's Checklist template for quality assurance. Formal methods are as follows.

- Multi-level quality check applied by BIM Team.
- Check list-based quality checks for Modelling Quality.
- Check list-based quality checks for compliance of IFCs, Project Specifications, BIM Standards, and Industry Standards.
- Software based interference checks and clash resolving.
- Quality plan will be applied with ISO 9001 2015.

Level 1 – Modelling Team

- During the Modelling/ Model Development stage itself, the development team will visually check the modelling errors, intra disciplinary interference issues.
- Upon completion of modelling part, senior members of the team will cross very the models with check list.

Level 2 - QA QC Team

- A dedicated QA QC team consists of Senior BIM engineers of each Discipline and BIM Coordinator will be engaged for overall quality checks, multi- disciplinary coordination, and interference checks.
- QA QC team will generate software-based reports, and checklists.
- In case of any discrepancies or error, modelling team will be further engaged to rectify the issues. This process will continue until a satisfactory level of the quality Plan.

Level 3 – BIM Management Team

- Final quality checks will be done by a team of BIM Manager and Senior BIM Coordinators.
- In this level, the team will cross verify all Models, all Deliverables, and associated documents with checklists, project specifications, industry standards and BIM standards.

QUALITY PLAN

2. Quality Control Checks

The following checks will be performed to assure the quality of BIM data.

CHECKS	DEFINITION	RESPONSIBLE PARTY	SOFTWARE PROGRAM(S)	FREQUENCY
VISUAL CHECK	Ensure there are no unintended model components, and the design intent has been followed	BIM Specialists	–	TBD
INTERFERENCE CHECK	Detect problems in the BIM where two building components are clashing including soft and hard	BIM Coordinators	Autodesk Revit, Navisworks	TBD
STANDARDS CHECK	Ensure that the NMDC's EIR, and AIR documents have been followed (Naming Conventions, legibility, dimensions, line styles, levels/layers, etc.)	BIM Developers	Custom Plugins and MS Excel	TBD
MODEL INTEGRITY CHECKS	Describe the QC validation process used to ensure that the Project Facility Data set has no undefined, incorrectly defined or duplicated elements and the reporting process on non-compliant elements and corrective action plans	BIM Developers	Custom Plugins and MS Excel	TBD

3. Clash Detection Methods

- Visual Check – Preliminary intra disciplinary clashes will be resolved by visually checking the model.
- Revit Interference Check – Further to the visual check, Revit in built interference checks will be carried out and the clashed will be removed based on the generated interference report.
- Autodesk Construction Cloud BIM Collaborate – As soon as the Multi-Disciplinary models uploaded into Model Coordination enabled ACC, clashed are detected automatically. The teams can focus of the clashes and resolve it. A typical snap of Autodesk Construction Cloud – Model Coordination report is shown below.

Active Assigned Closed					
Search for models		Select a view		All 17 models	
	College_rvt - 3D_L0_Architecture	College_rvt - 3D_L1_Architecture	College_rvt - 3D_L2_Architecture	College_rvt - 3D_Roof_Architecture	Millennium_College - 3D_Foundation.iff
College Architectu...3D_L0_Architecture 122 clash groups		3			7
College Architectu...3D_L1_Architecture 847 clash groups	3		219		
College Architectu...3D_L2_Architecture 991 clash groups		202		68	
College Architectu..._Roof_Architecture 451 clash groups			103		
Millennium_Colleg...ons_Structure.iff 83 clash groups	83				

Figure 1: Model Coordination Report

Autodesk Navisworks Manage – Adequate Clash rules and settings will be done in Navisworks clash detection tool and final interference check between Multi-Disciplinary models and reports will be generated for next level of clash resolving. Final clash report after resolving all clashes, except ignorable will be published with the final Model.

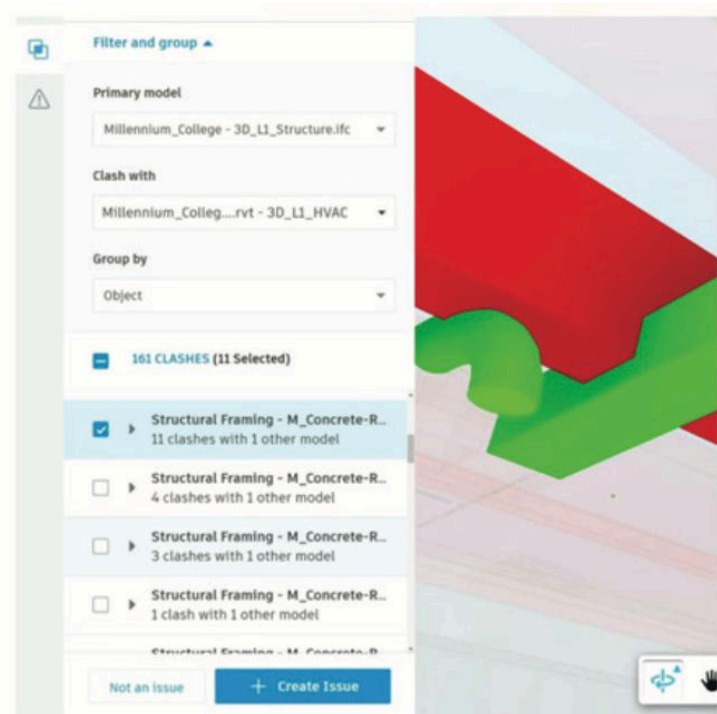
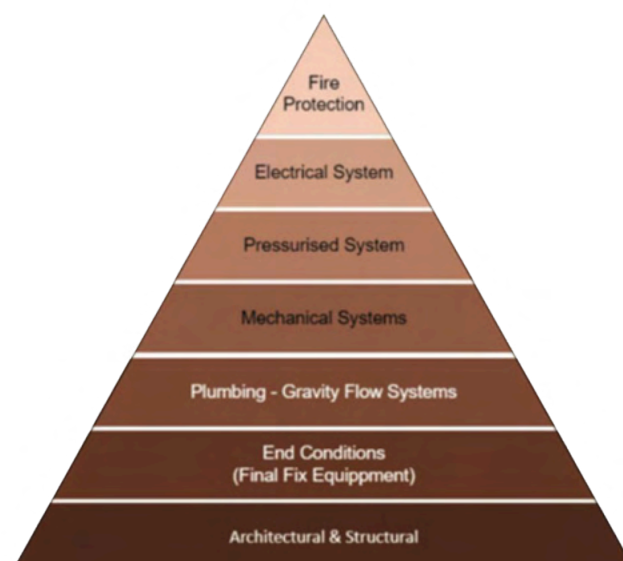


Figure 2: Clash detection in Navisworks Manage

4. Clash Resolving System Hierarchy

Clash resolving will be carried out in the hierarchy shown in the below diagram. This hierarchy is nothing more than a way to divide the various building elements in an order, from those are most difficult or expensive to move to those are with greatest freedom of movement.



5. Clash Matrix

Once the hierarchy of building elements defined, the setups will be done in Model Coordination module and Navisworks Manage. There after a clash report will be generated in the form of a matrix table. It allows the project team to make quick decision on which elements of a particular system should adopt to another system in clash cases.

A typical clash matrix is as shown below.

	1- FACA	1- STRL	2- HY SANI	3- ME DUCT	3- ME PIPE	4- HY WATER	5- FIRE	6- EL CONT	6- SP	7- EL FIX	8- CEIL	8- ARCH	Total Tests	Notes
1- FACA		Y	Y	Y	Y	Y	Y	Y	Y	Y			9	Architectural Exterior Walls
1- STRL	S		Y	Y	Y	Y	Y	Y	Y	Y	Y		9	Structural Model
2- HY SANI			S	Y	Y	Y	Y	Y	Y	Y	Y	Y	9	Hydraulic Services Sanitary Services
3- ME DUCT				S	Y	Y	Y	Y	Y	Y	Y	Y	8	Mechanical Ductwork
3- ME PIPE					S	Y	Y	Y	Y	Y	Y	Y	7	Mechanical Pipework
4- HY WATER						S	Y	Y	Y	Y	Y	Y	6	Hydraulic Services Water Services
5- FIRE							S	Y	Y	Y	Y	Y	5	Fire Protection Services
6- EL CONT								S	Y	Y	Y	Y	4	Electrical Containment (Inc. Equipment)
6- SP									S	Y	Y	Y	3	Specialty Services
7- EL FIX										S	Y		0	Electrical (Fixtures, Lighting, ETC...)
8- CEIL													0	Architectural Ceilings
8- ARCH													0	Architectural, Fire Rated – Walls & Doors
													60	

Figure 4: Clash Matrix



DIGITAL
DELIVERY
PARTNER

EVENTS & EXHIBITIONS

CONSTRUCTION TECHNOLOGY CONFEX KSA 2024

23RD
OCT, 2024



SAUDI AIRPORT EXHIBITION 2024

11TH
NOV, 2024

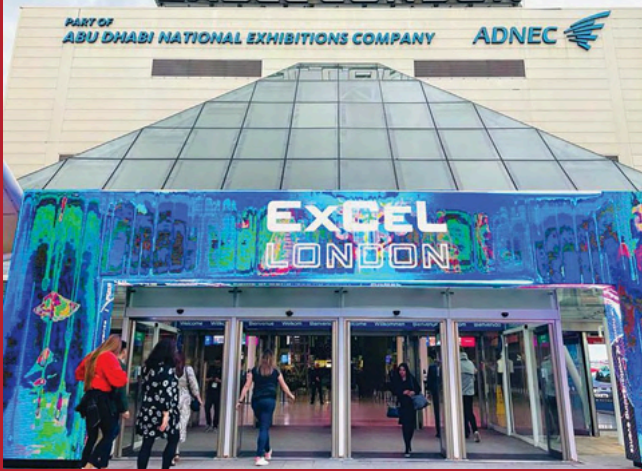


SAUDI AIRPORT EXHIBITION 2023



16TH
MAY, 2023

IFSE INTERNATIONAL 2023



04TH
FEB, 2024

WORLD DEFENSE SHOW 2024





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THANK YOU

We appreciate your time and interest.
Let's build the future together.

CONTACT US

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