



DIGITAL
DELIVERY
PARTNER

COMPANY PROFILE

2026



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

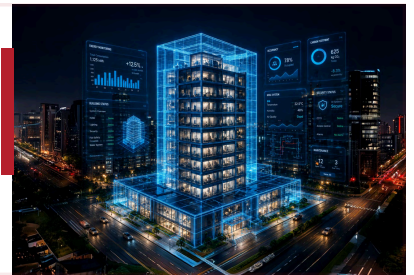
01

**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.

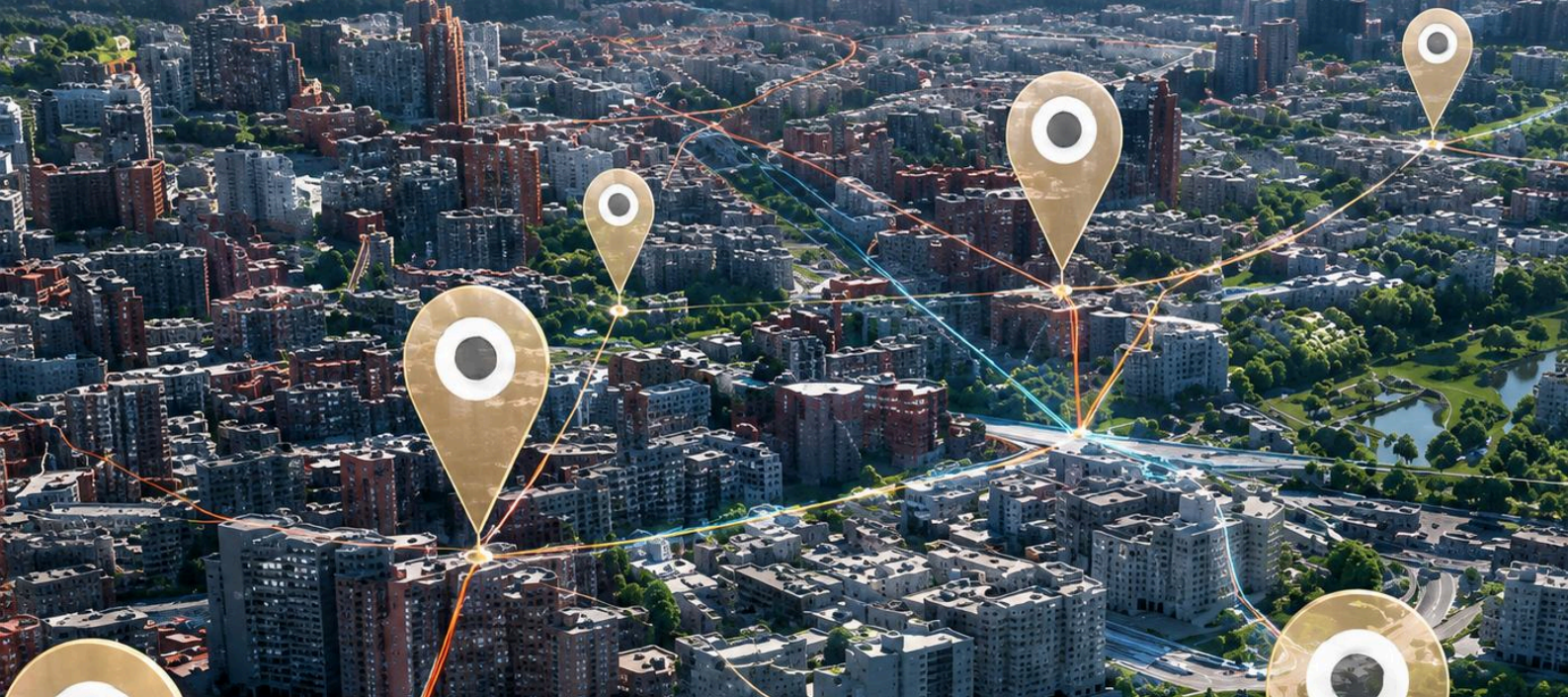


OPERATIONS & MAINTENANCE ENABLEMENT

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 of the Kingdom's most iconic projects.



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

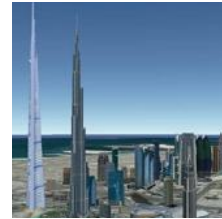
SIX SENSES HOTEL - WADI SAFAR

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)

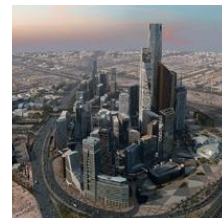
Part of the design & BIM delivery team.



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.

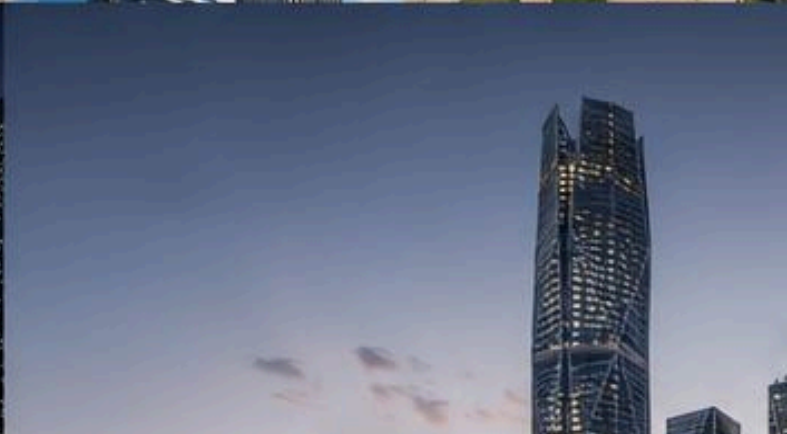
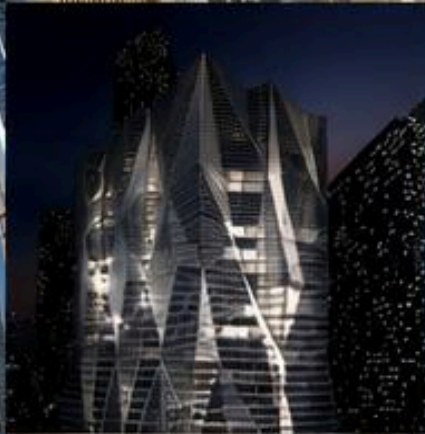


2026

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

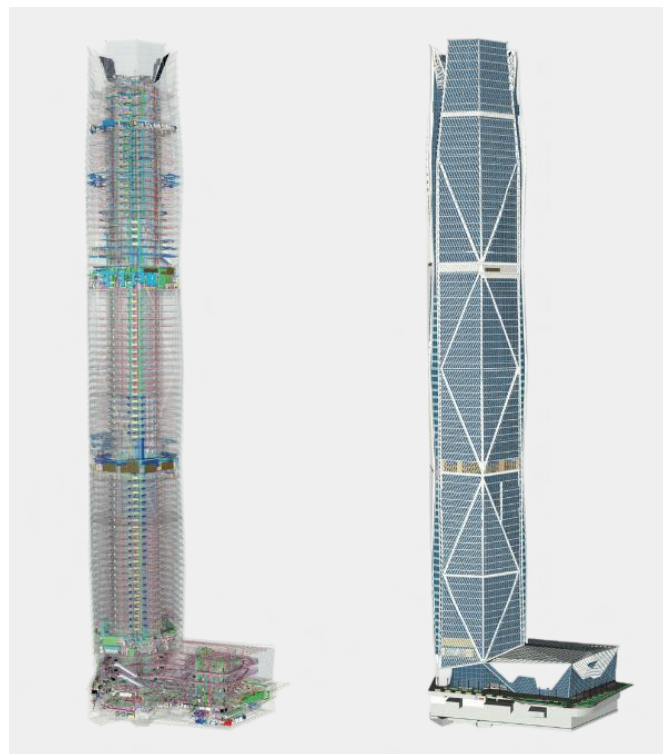
	ZONE	: Area 01
	GFA	: 201, 260 Sq. m.
	HEIGHT	: 385 m/1263 ft.
	TOTAL FLOOR	: 76
	TOTAL DURATION	: 120 Days

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	 CONTRACTOR	 LOCATION
KAJD	ICAD	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

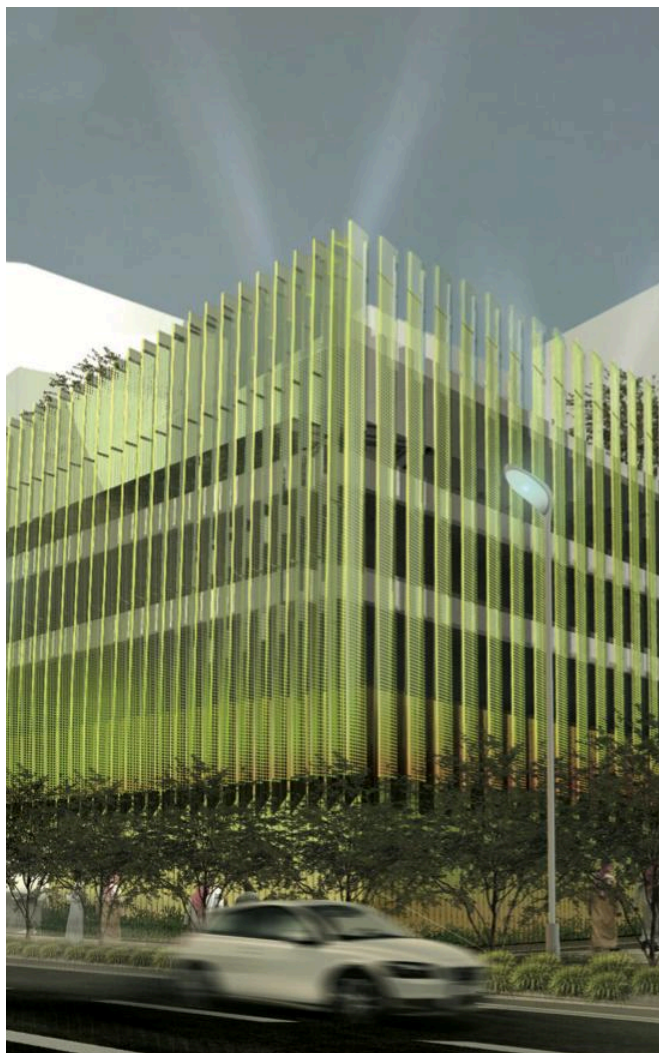
	ZONE	: Area 01
	GFA	: 100,437 Sq. m.
	HEIGHT	: 135 m/443 ft.
	TOTAL FLOOR	: 26
	TOTAL DURATION	: 90 Days

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

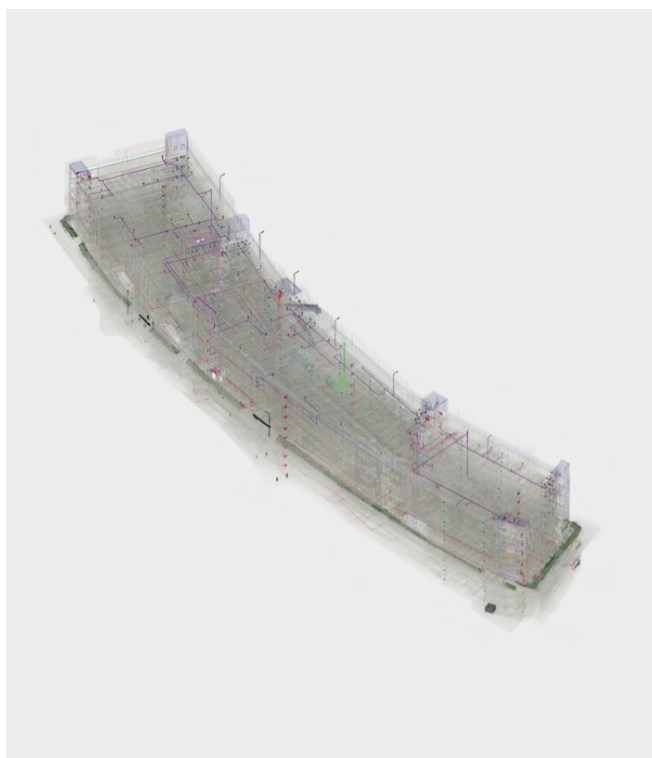
	ZONE	: Area 01
	GFA	: 98,986 Sq. m.
	TOTAL DURATION	: 90 Days

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

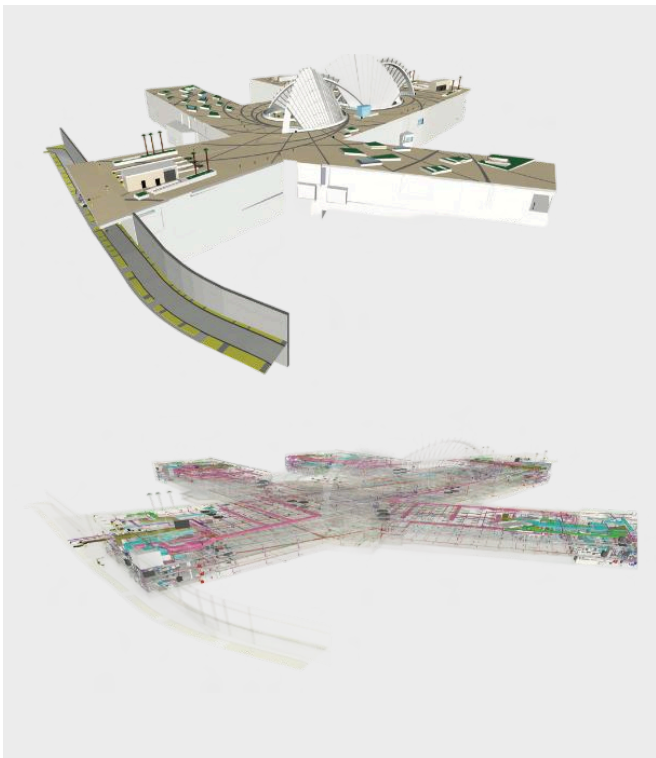
CONTRACTOR

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

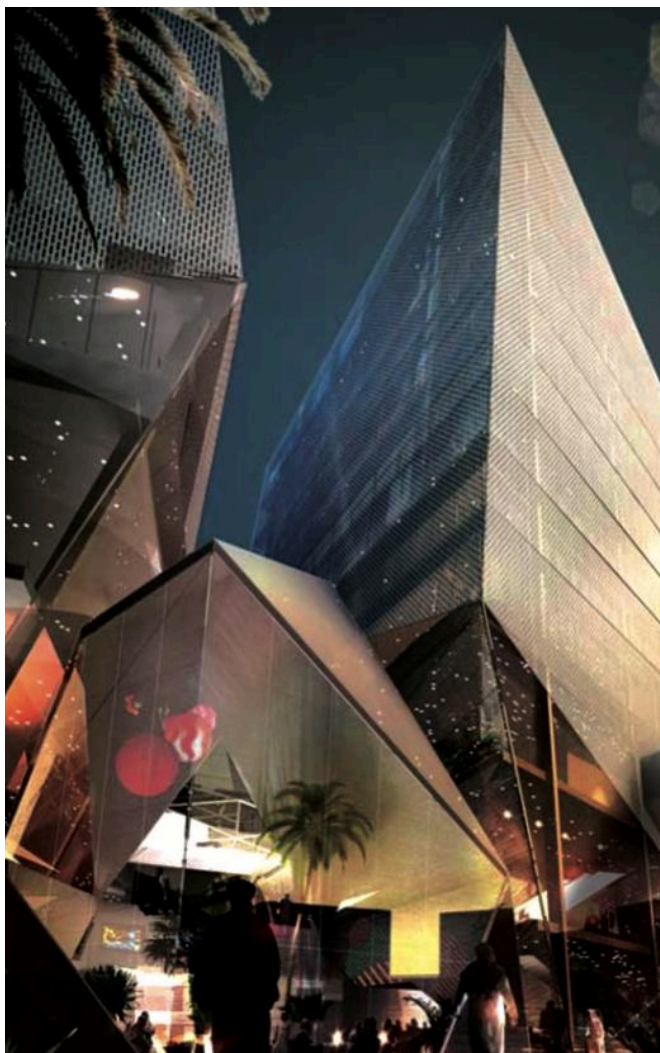
ZONE	: Area 01
GFA	: 79,364 Sq. m.
TOTAL DURATION	: 90 Days

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



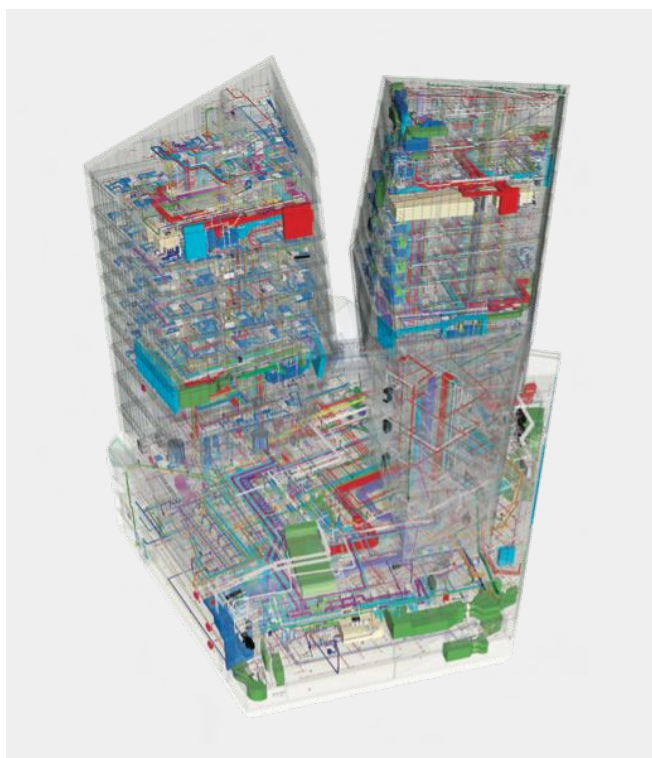
SERVICES

- 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

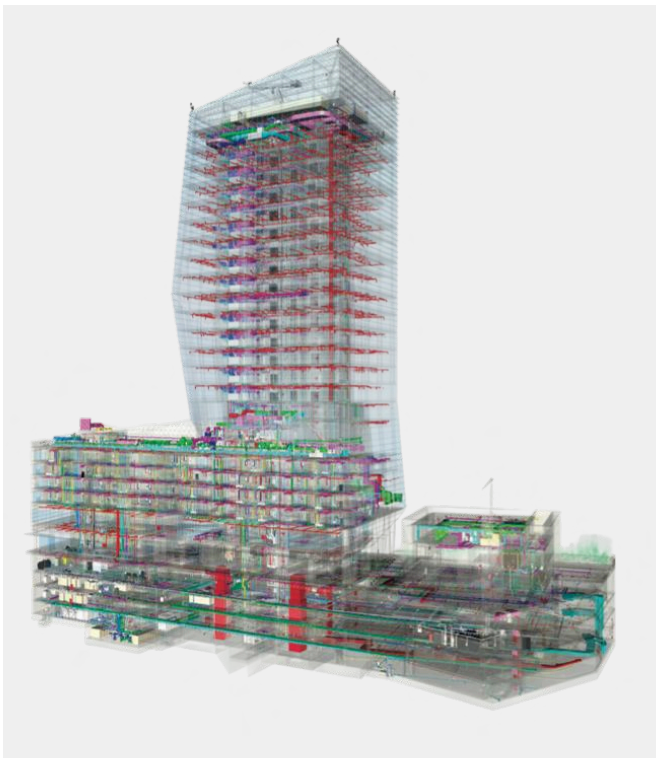
CONTRACTOR

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

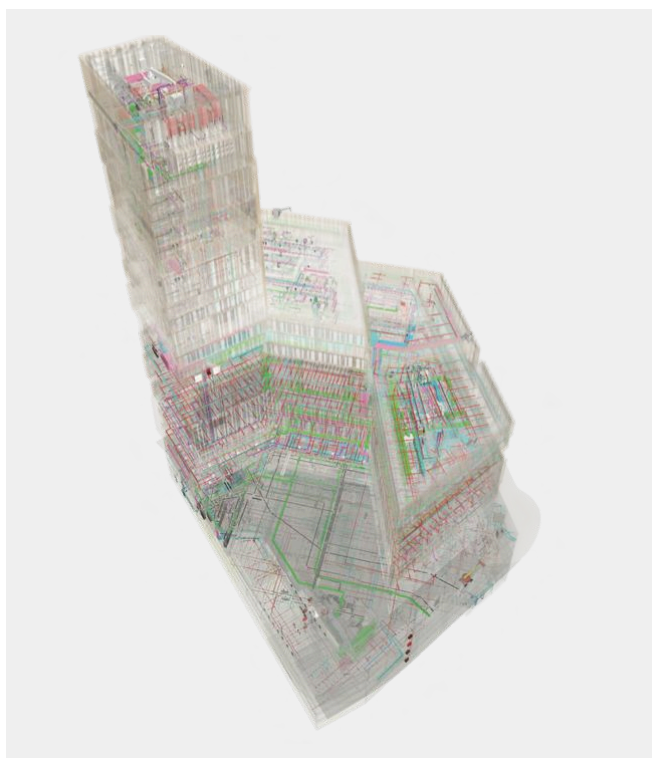
	ZONE	: Area 02
	GFA	: 72,910 Sq. m.
	HEIGHT	: 105 m/144 ft
	TOTAL FLOOR	: 23
	TOTAL DURATION	: 60 Days

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)

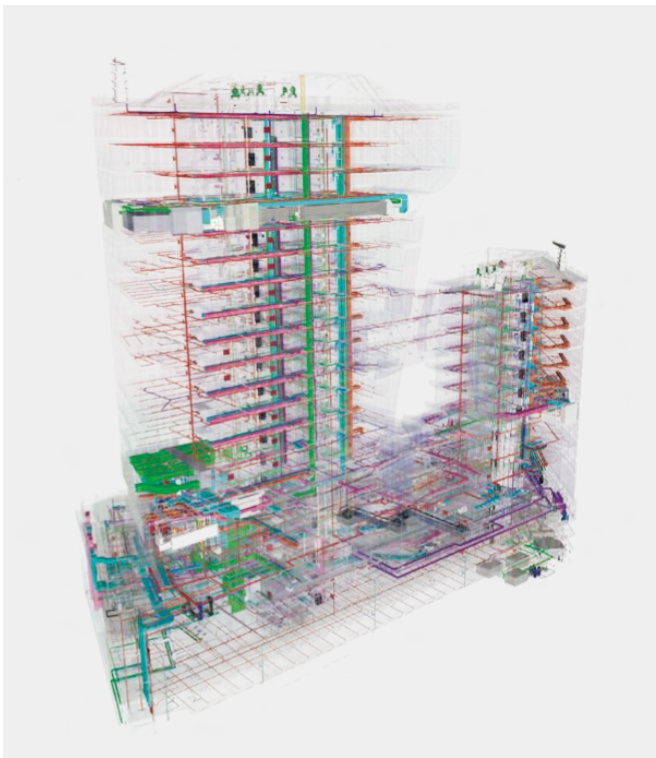
Computer Aided
Facility Management (CAFM) & Digital Twin

 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

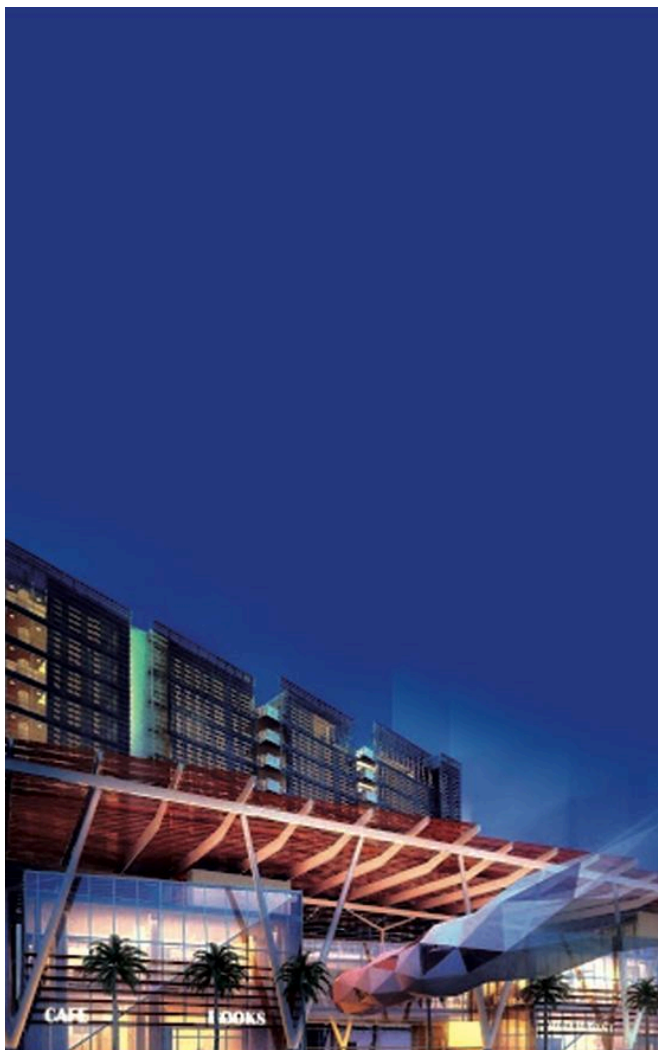
	ZONE	: Area 01
	GFA	: 57, 376 Sq. m.
	HEIGHT	: 83 m/ 272 ft
	TOTAL FLOOR	: 18
	TOTAL DURATION	: 60 Days

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



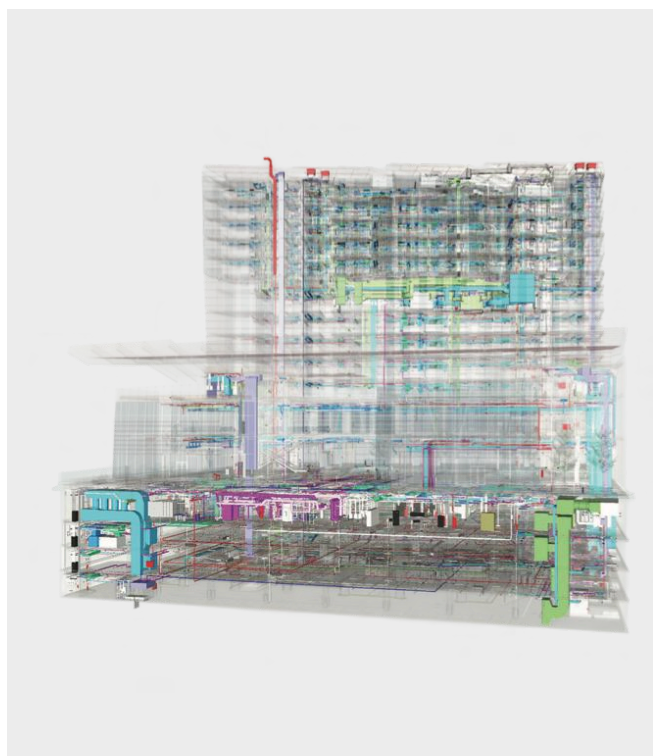
SERVICES

- 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

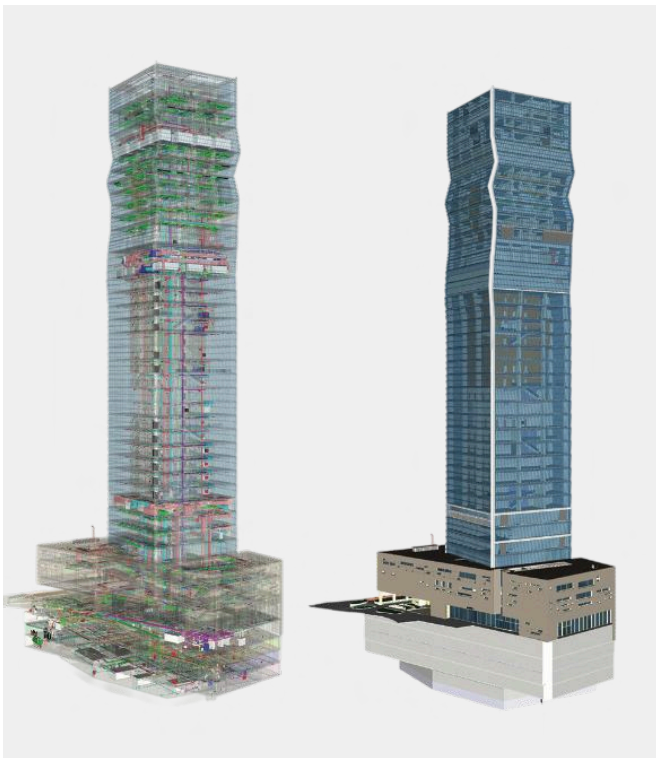
CONTRACTOR

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

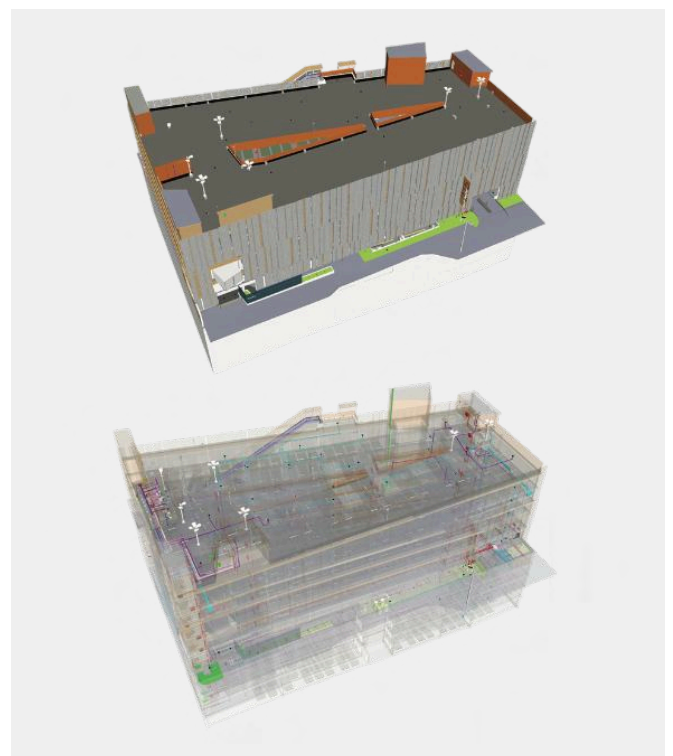
	ZONE	: Area 02
	GFA	: 33,971 Sq. m.
	TOTAL DURATION	: 30 Days

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

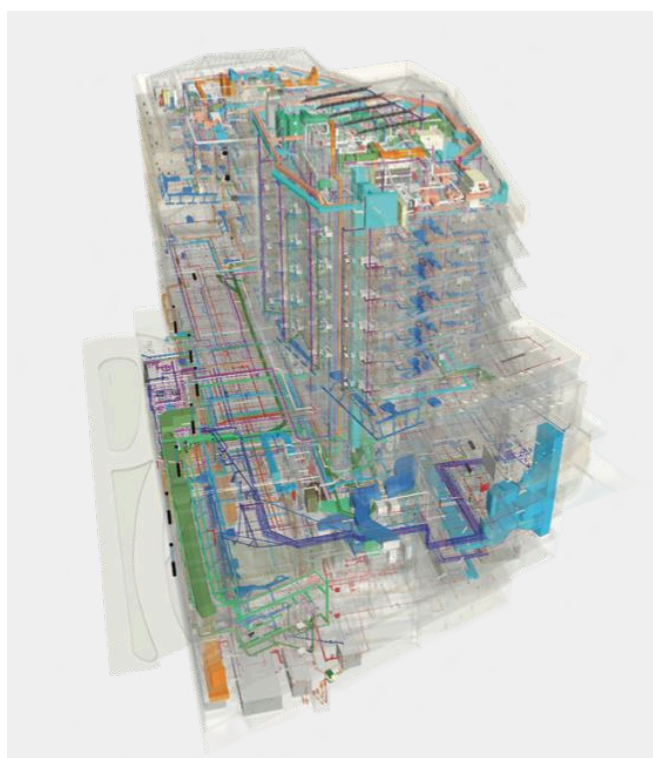
	ZONE	: Area 02
	GFA	: 25,725 Sq. m.
	HEIGHT	: 34.5 m/113 ft.
	TOTAL FLOOR	: 07
	TOTAL DURATION	: 30 Days

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 (KAFD)

Computer Aided Facility Management (CAFM) & Digital Twin

CLIENT

KAFD

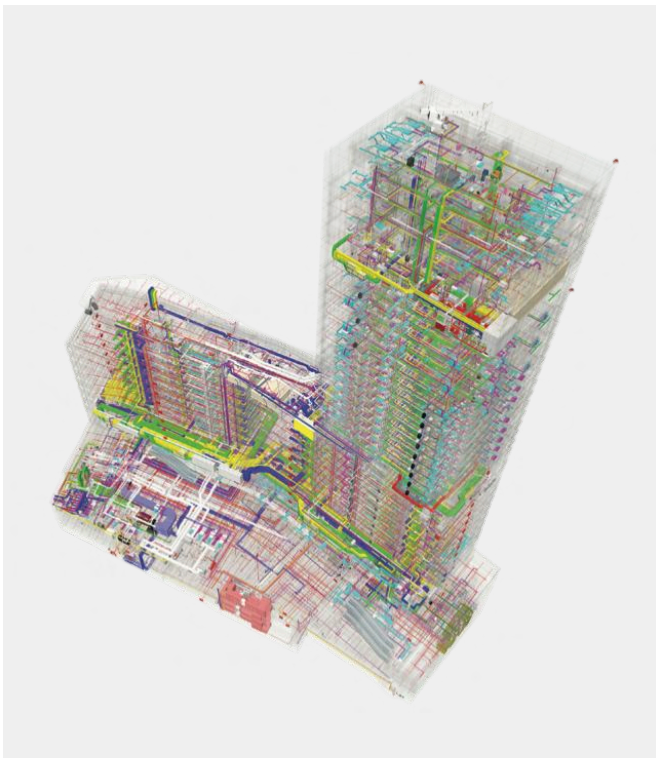
CONTRACTOR

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 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

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

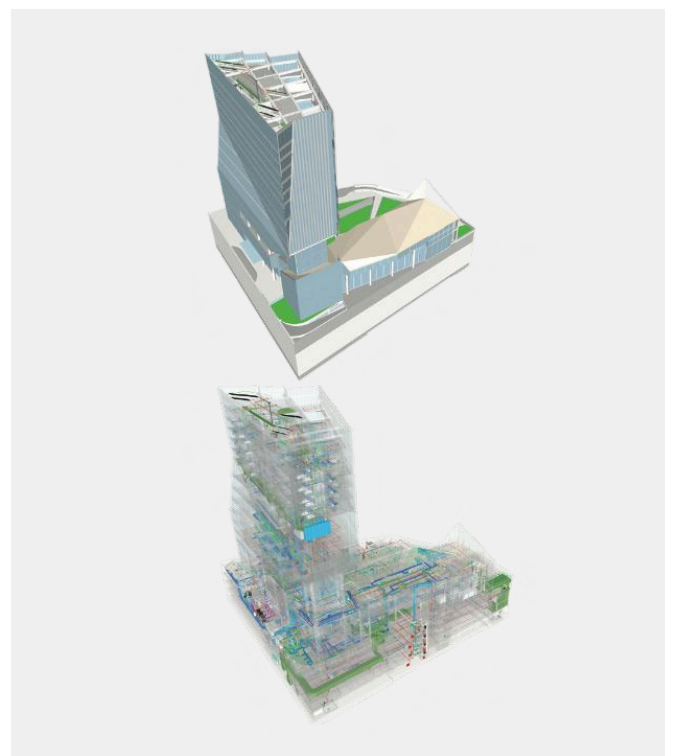
	ZONE	: Area 04
	GFA	: 40,001 Sq. m.
	HEIGHT	: 82 m/269 ft.
	TOTAL FLOOR	: 21
	TOTAL DURATION	: 30 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

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



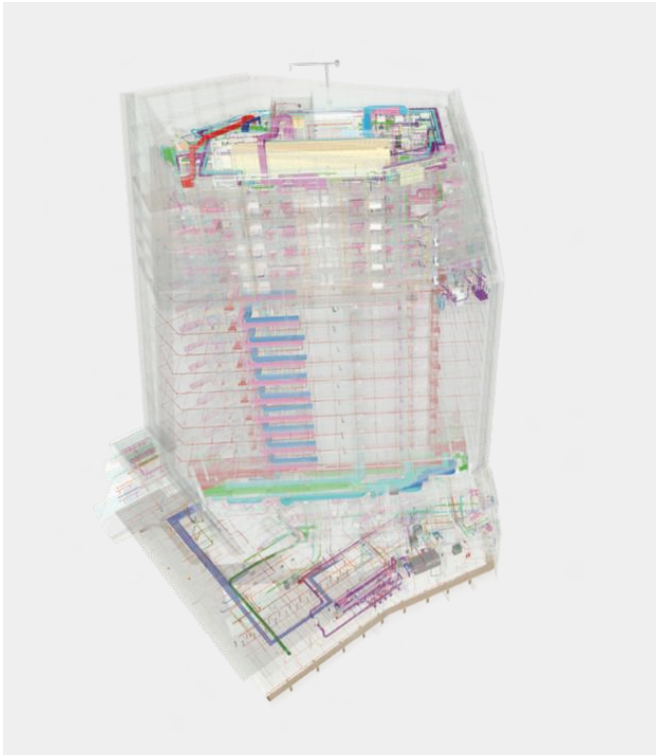
PARCEL
4.07

KING ABDULLAH FINANCIAL DISTRICT (KAJD)

Computer Aided Facility Management (CAFM) & Digital Twin

 CLIENT	 CONTRACTOR	 LOCATION
KAJD	ICAD	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

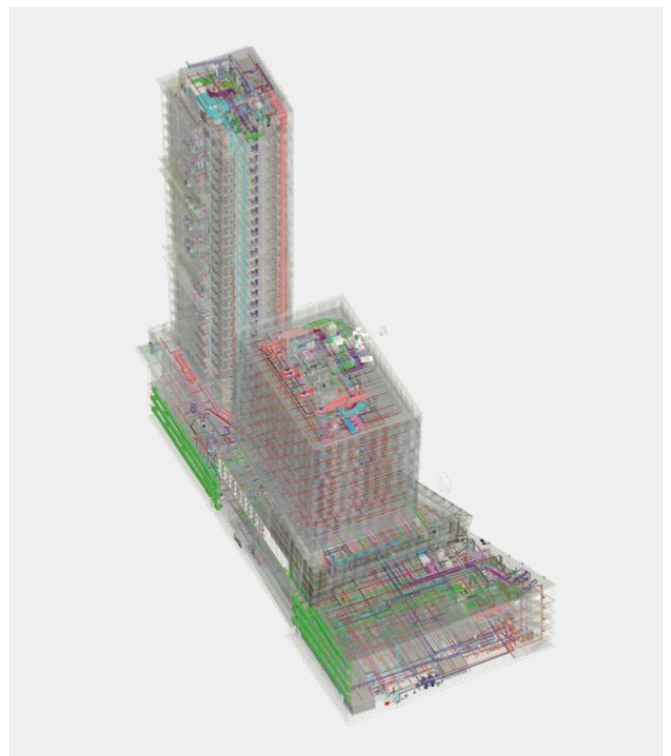
	ZONE	: Area 04
	GFA	: 50,196 Sq. m.
	TOTAL DURATION	: 30 Days

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

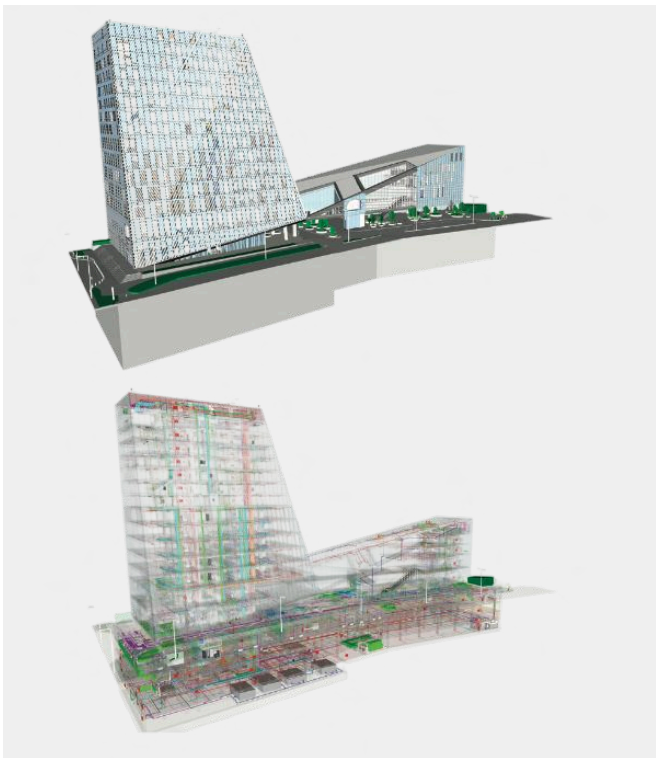
CONTRACTOR

ICAD

LOCATION

Riyadh, KSA

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

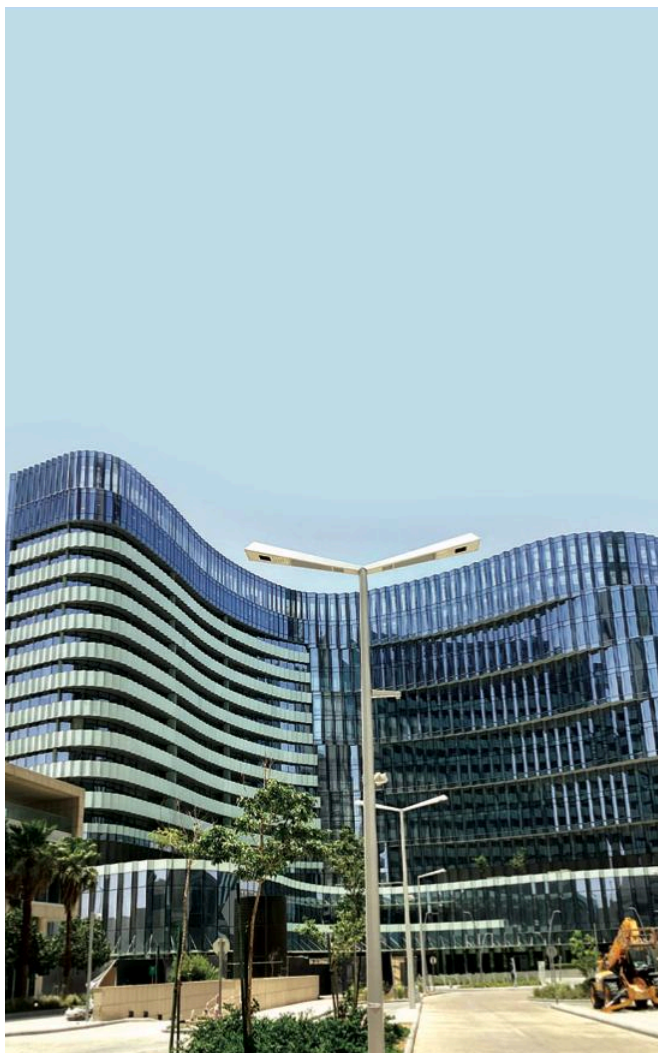
ZONE	: Area 04
GFA	: 46,129 Sq. m.
TOTAL DURATION	: 30 Days

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

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QUICK OVERVIEW

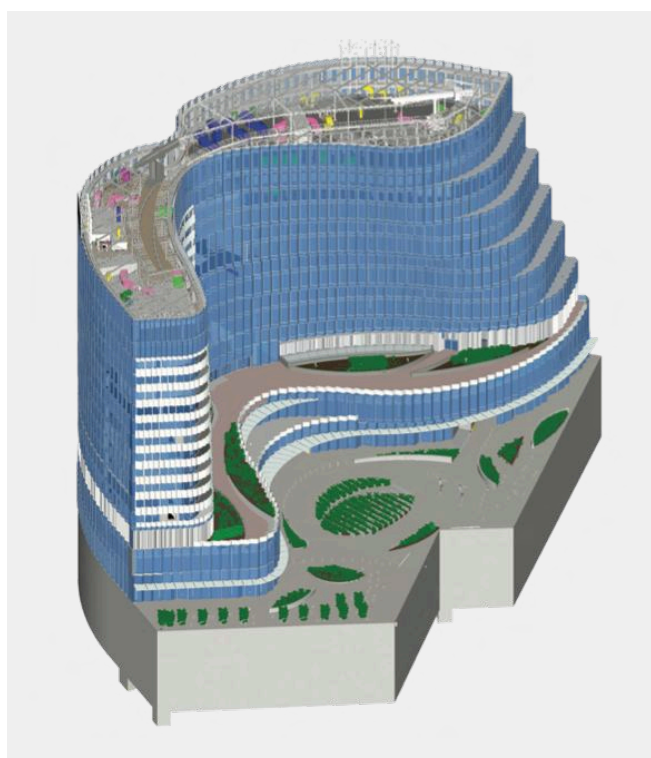
	ZONE	: Area 04
	GFA	: 66,185 Sq. m.
	TOTAL DURATION	: 60 Days

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

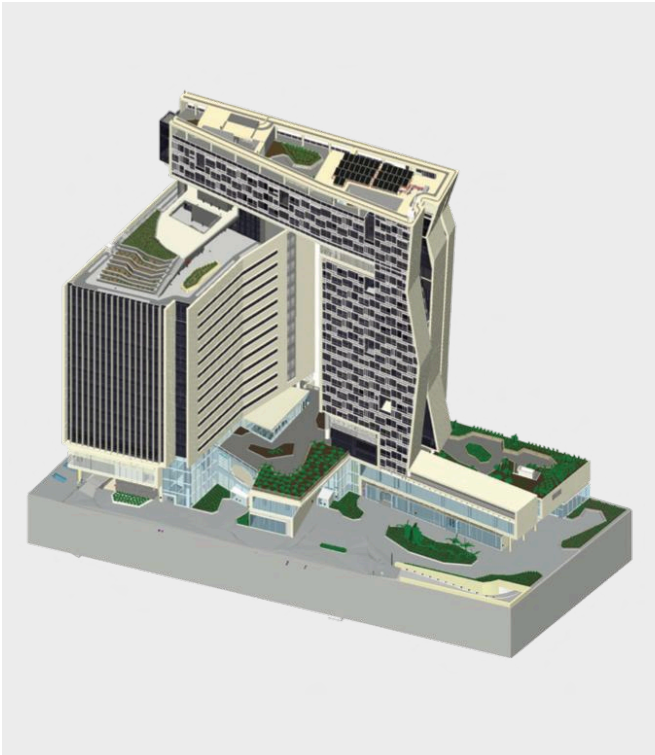
CONTRACTOR

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

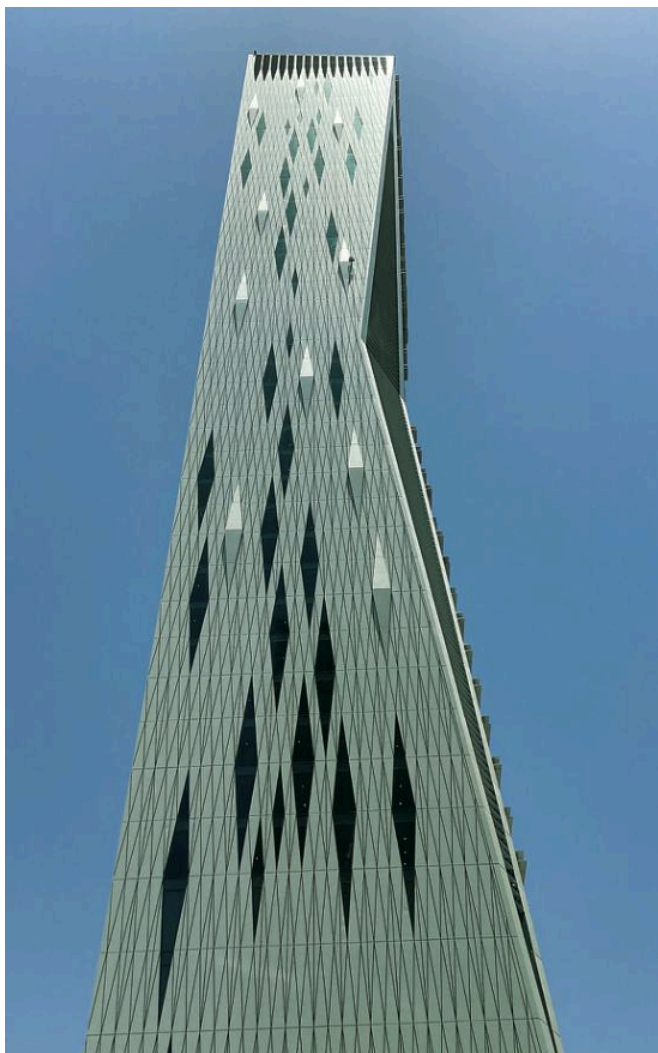
ZONE	: Area 04
GFA	: 66,185 Sq. m.
TOTAL DURATION	: 60 Days

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



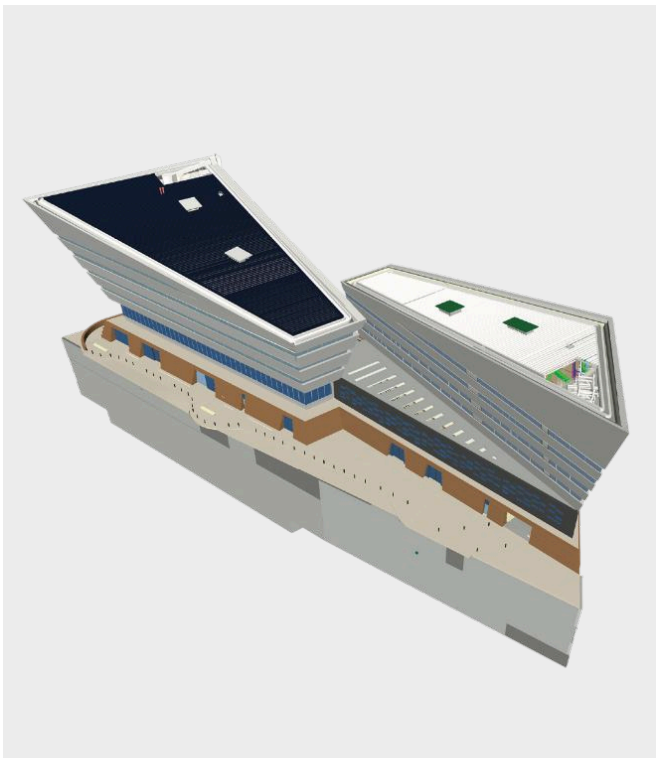
PARCEL
4.02

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

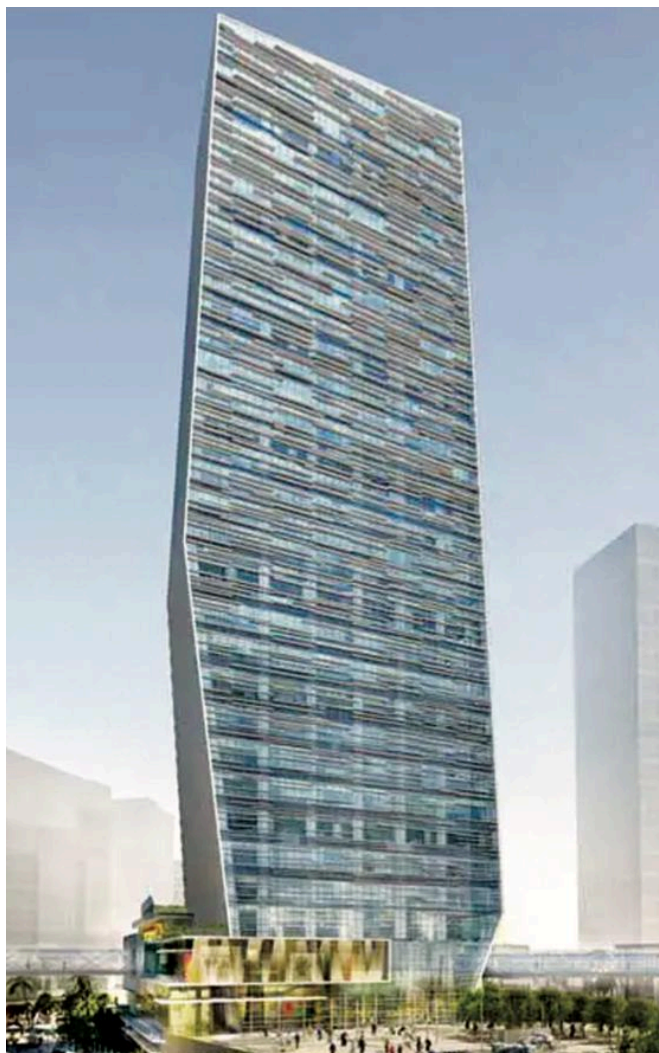
 ZONE	: Area 04
 GFA	: 35,943 Sq. m.
 TOTAL DURATION	: 30 Days

 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



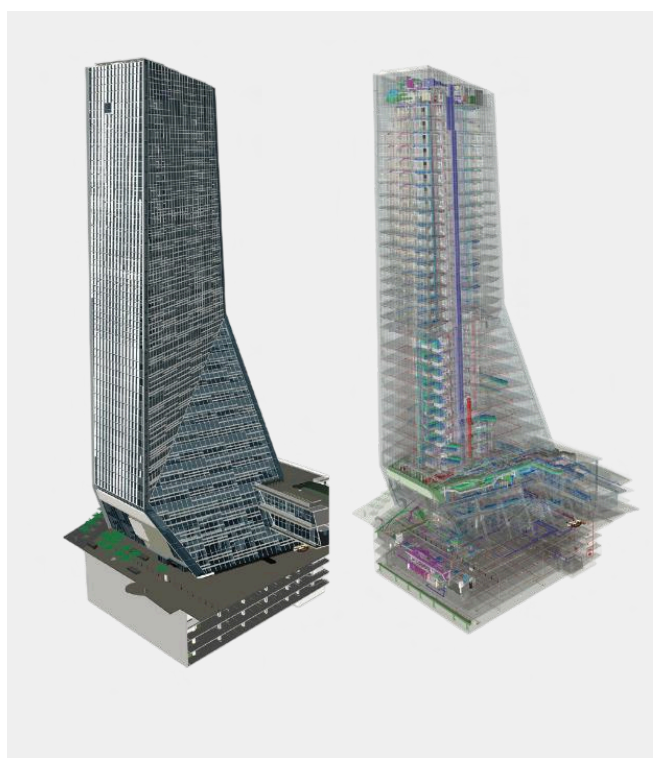
SERVICES

- 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 (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 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

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

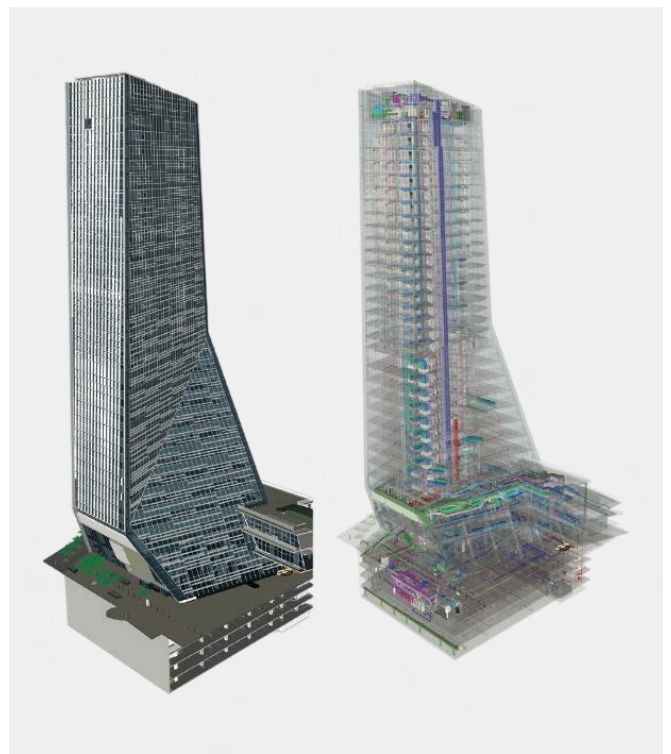
	ZONE	: Area 05
	GFA	: 65,688 Sq. m.
	HEIGHT	: 105 m/344 ft.
	TOTAL FLOOR	: 26
	TOTAL DURATION	: 60 Days

SERVICES

- LiDAR scanning, LOD500 Modelling.

INTEGRATION

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



PARCEL

5.04

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 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

KAJD



CONTRACTOR

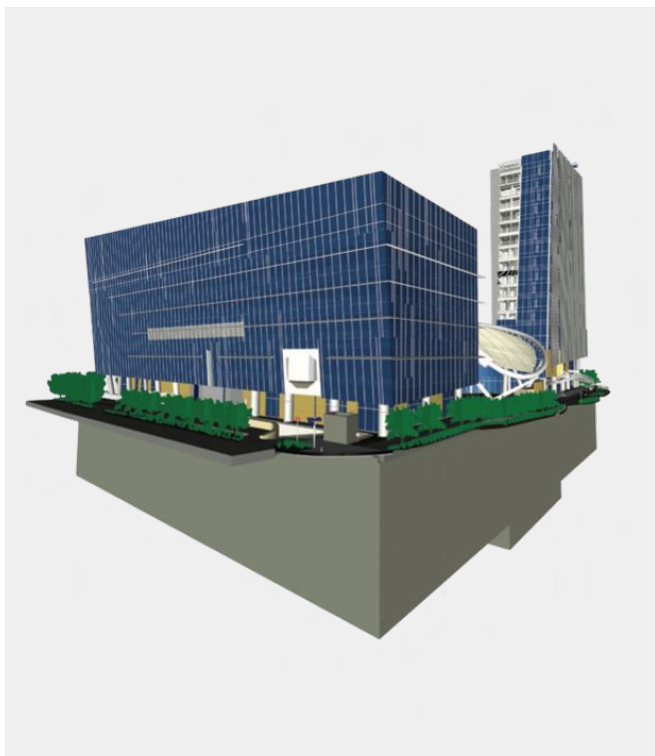
ICAD



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

: 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

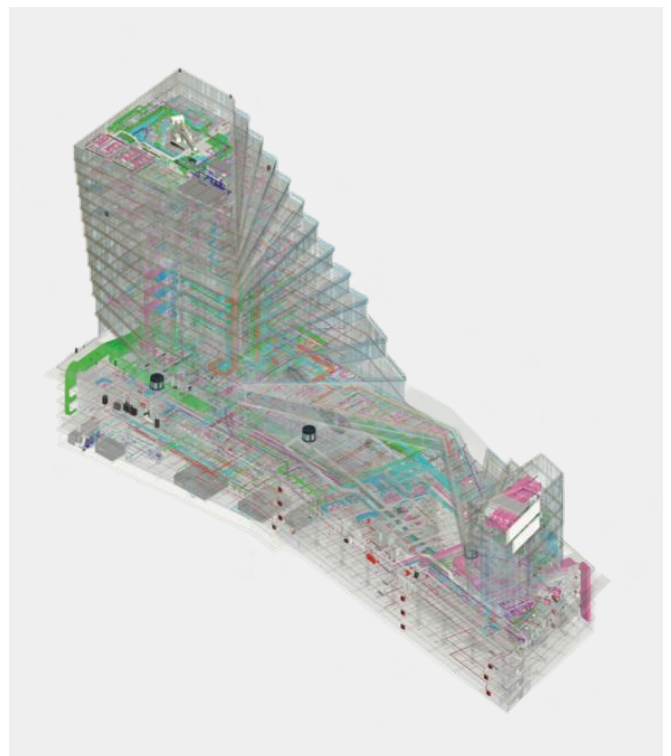
	ZONE	: Area 05
	GFA	: 53,227 Sq. m.
	TOTAL DURATION	: 60 Days

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 (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 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

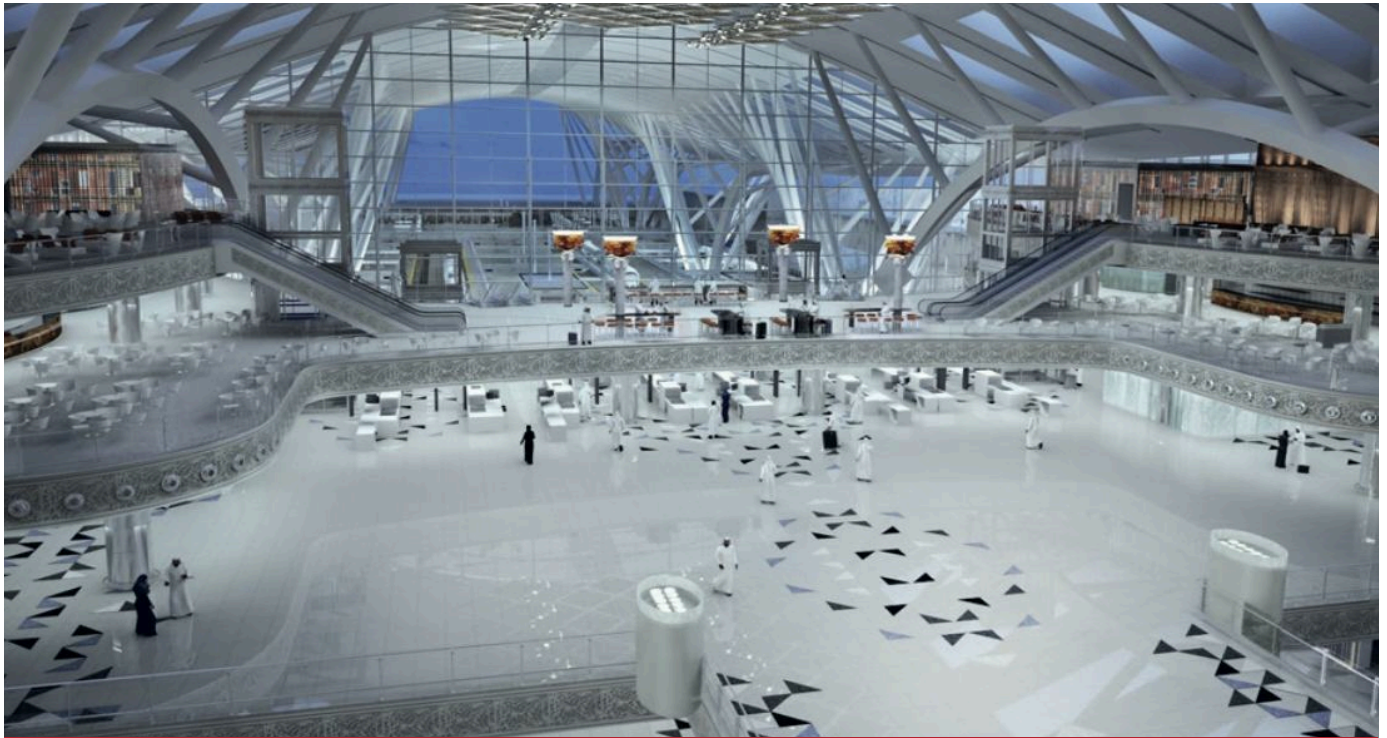
 CONTRACTOR : MBL

 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

TXG
TECHNICAL XPERTS GROUP

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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

DIGITAL
DELIVERY
PARTNER

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):

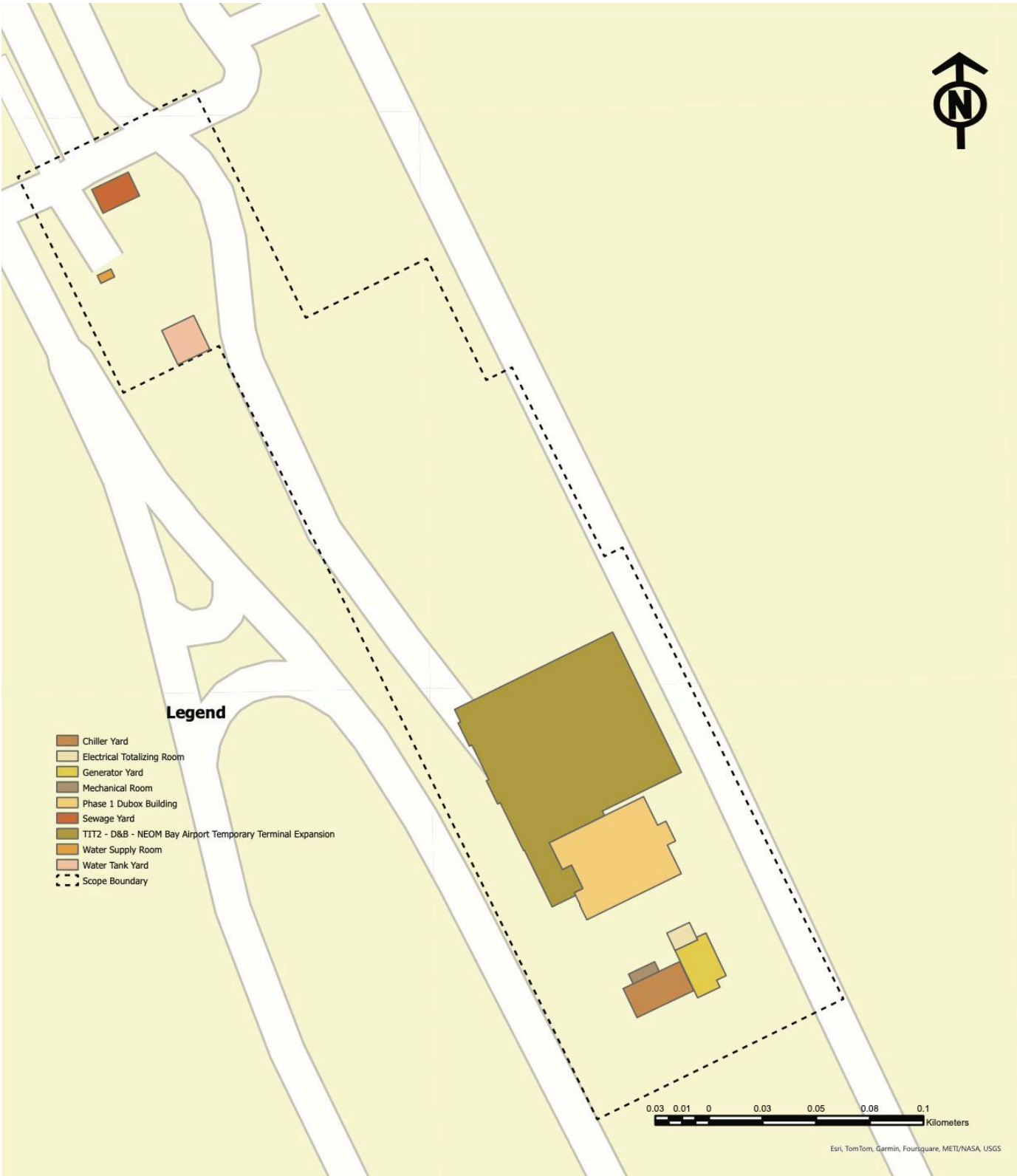
High-quality, printable maps for presentations and reports.

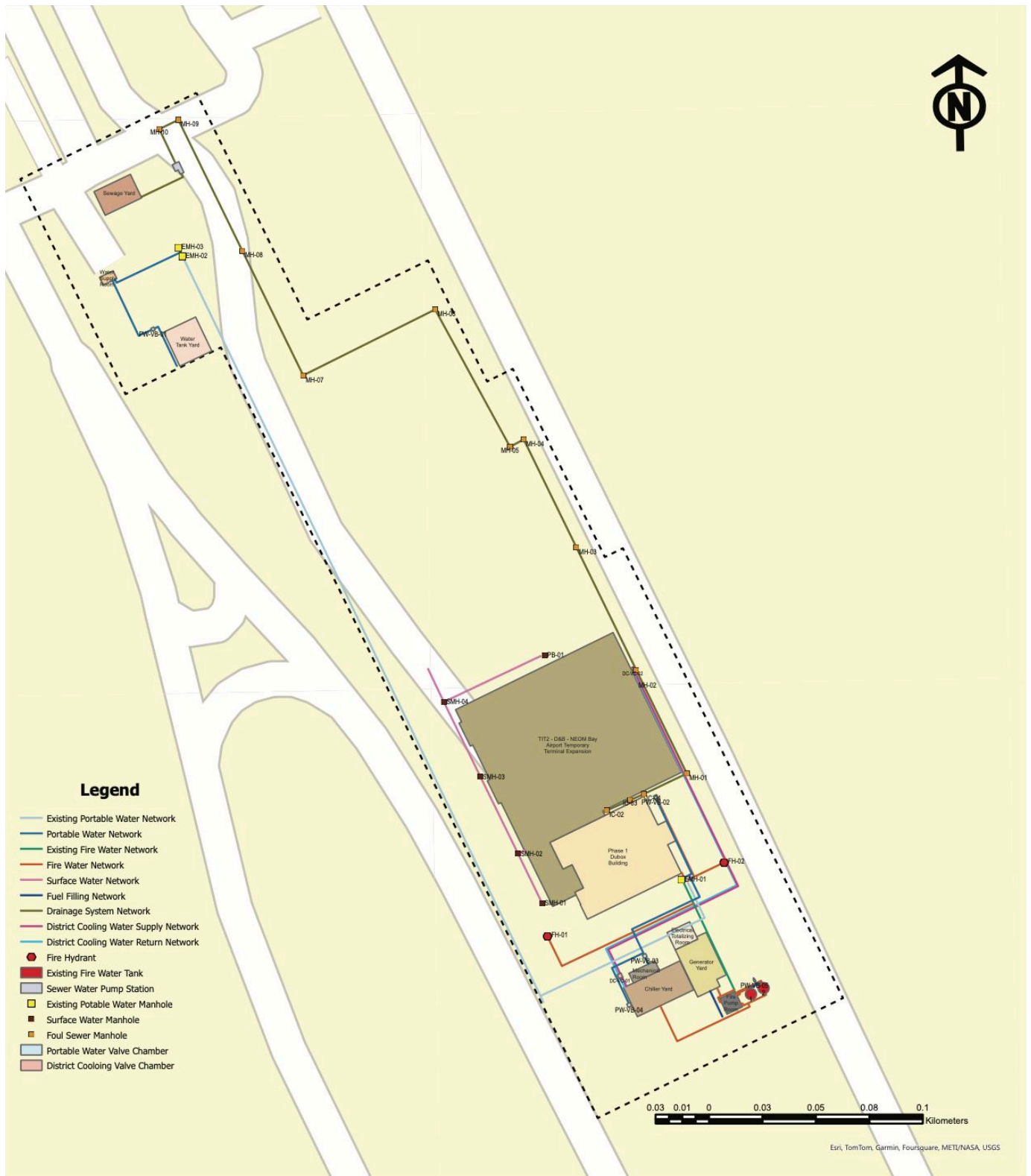
Maps – Dynamic (.aprx – ArcGIS Pro, .mxd ArcMap):

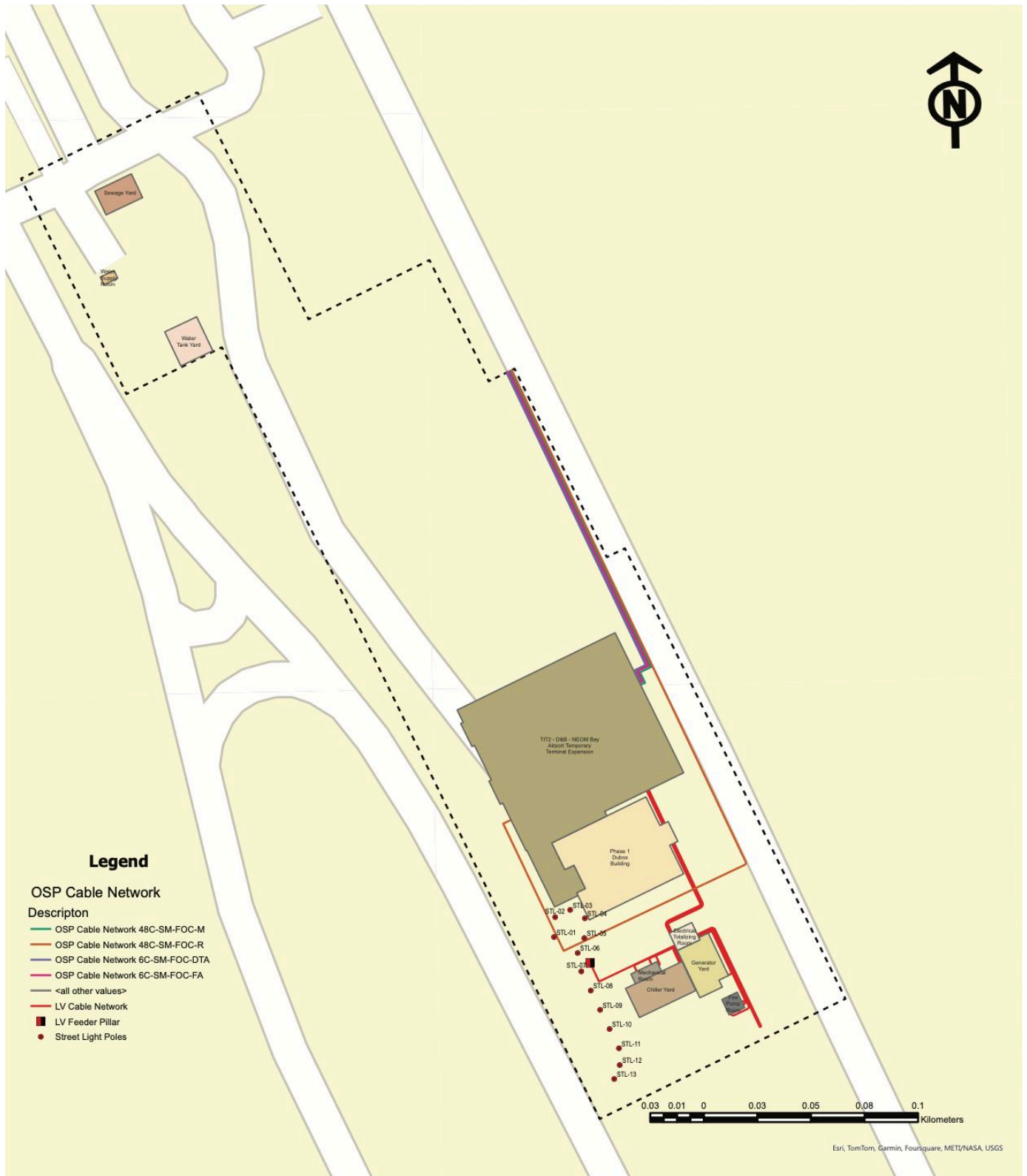
Interactive and customizable maps for in-depth geospatial analysis.

Metadata (.xml or .txt):

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







LICENSE & CERTIFICATIONS



TXG
TECHNICAL XPERTS GROUP

DIGITAL
DELIVERY
PARTNER



السادة / شركة تيكينكال اكبيرتس العالمية المحدودة شركة شخص واحد

نسأل الله أن يكتب لكم التوفيق والنجاح في عملكم التجاري وأن تكونوا شريكاً في تعزيز اقتصاد المملكة العربية السعودية.

يسرنا إبلاغكم بأن رقم منشأتكم الموحد هو

٧٠٣٣٧٥٥٧٩٩

وقد تم ربطه بالخدمات الحكومية التالية..

تحت الاجراء
رقم منشأتك



٤٠٣٠٥٠٠٧٣٧
رقم منشأتك



٤٨٣٣١٢
رقم منشأتك



تحت الاجراء
رقم منشأتك



لا يوجد
رقم منشأتك



تحت الاجراء
رقم منشأتك



تحت الاجراء
رقم منشأتك



للاستفادة من الخدمات المقدمة
من الجهات الحكومية



دليل التاجر



شركة تيكنيكال اكبيرتس العالمية المحدودة شركة شخص واحد



المسجل التجاري: 4030500737

رمزك التجاري QR Code

من خلاله يمكنك التحقق المباشر من المعلومات:

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

MCgovSA
www.mc.gov.sa

الرقم الموحد: ٧٠٣٣٧٥٥٧٩٩
رقم المنشأة: ٤٠٣٠٥٠٠٧٣٧
التاريخ: ١٤٤٤/٠٧/١٦ هـ

شهادة تسجيل الشركة Company Registration Certificate

وزارة التجارة
Ministry of Commerce

الاسم التجاري للشركة: شركة تيكنيكال اكبيرتس العالمية المحدودة شركة شخص واحد (شخص واحد)

نوعها: محدودة أجنبية

مدة الشركة: ٢٠ سنة

مركزها الرئيسي: جدة

هاتف: الرمز البريدي: ص.ب: ملكية الشركة: خليجية

النشاط: للاطلاع على بيانات 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 16

سلطات المدير/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: ١٤٤٦/٠٧/١٦ هـ بموجب الإيصال رقم: ٤٨٨٧٦١٨٨ وتاريخ: ١٤٤٥/١٢/٢٤ هـ



يمكنكم التحقق من صحة هذه الشهادة بالدخول على: <http://mc.gov.sa>
+966 11 294 4444 | الرياض 11162 | Kingdom of Saudi Arabia | المملكة العربية السعودية | www.mc.gov.sa MCgovSA @ f t y o



SAIF ZONE
المنطقة الحرة لمطار الشارقة الدولي
SHARJAH AIRPORT INTERNATIONAL FREE ZONE

حكومة الشارقة
Government of Sharjah

شهادة ترخيص

License Certificate

LICENSE NO.	15117	١٥١١٧	رقم الرخصة
NAME	TECHNICAL XPERTS GROUP (FZC)	تيكنيكال اكبيرتس جروب (ش.م.ح)	الاسم
LEGAL STATUS	Free Zone Co. with Limited Liability	شركة منطقة حرة ذات مسؤولية محدودة	الشكل القانوني
TYPE OF LICENSE	Services	خدمية	نوع الرخصة
ACTIVITY(S)	Providing IT Services and Solutions	تقديم خدمات وحلول تقنية المعلومات	النشاط
OWNER(S)	Marwan Sayegh Raveendran Kunnummal Veettil Suraj Kunnummal Veettil	روان الصايغ رافيندران كونومال فيتيل سوراج كونومال فيتيل	المالك
MANAGER	Raveendran Kunnummal Veettil	رافيندران كونومال فيتيل	المدير المسؤول
SAIF-ZONE ADDRESS	Saif Office Q1-04-097/B P.O.Box 513153 Sharjah - U.A.E	مكتب مشترك كيو ١-٠٤-٩٧/بي ص.ب. ٥١٣١٥٣ الشارقة - أ.ع.م	العنوان في المنطقة الحرة
INCORPORATION DATE	24 March 2015	٢٤ مارس ٢٠١٥	تاريخ عقد التأسيس
ISSUE DATE	24 March 2026	٢٤ مارس ٢٠٢٦	تاريخ الاصدار
EXPIRY DATE	23 March 2027	٢٣ مارس ٢٠٢٧	تاريخ الإنتهاء
REMARKS	THIS LICENSE IS ISSUED AND BASED UPON EMIRI DECREE NO. 2 OF 1995 ISSUED IN SHARJAH ON MAY 8, 1995 THIS LICENSE IS GRANTED TO THE LICENSEE ONLY AND SHALL NOT BE LEASED OR TRANSFERRED WITHOUT PRIOR APPROVAL OF THE SAIF ZONE SALES IN U.A.E. SHALL BE CARRIED OUT IN ACCORDANCE WITH THE VALID LAWS AND REGULATIONS THEREOF	هذه الرخصة صادرة استنادا الى المرسوم الأميري رقم ٢ لسنة ١٩٩٥ الصادر في الشارقة بتاريخ ٨ مايو ١٩٩٥ هذه الرخصة ممنوحة للمرخص له فقط ولا يجوز تاجيرها أو تحويلها إلا بموافقة هيئة المنطقة الحرة لمطار الشارقة الدولي تتم أعمال البيع داخل الدولة وفقا للنظم والقوانين السارية فيها	ملاحظات

To check the validity of the license:

- 1- Send an SMS to 2514 with License number.
- 2- Scan the QR code.
- 3- Visit the website:
<https://portal.saif-zone.com/LicenseDetail.aspx>



للتحقق من صلاحية الرخصة:

- 1- رسالة نصية قصيرة (SMS) إلى الرقم 2514 مع رقم الرخصة.
- 2- مسح رمز الاستجابة السريع (QR Code)
- 3- زيارة الموقع الإلكتروني:
<https://portal.saif-zone.com/LicenseDetail.aspx>

هذه الوثيقة رسمية ولا تحتاج لختم أو توقيع وللتأكد من صحة البيانات يرجى زيارة الموقع www.saif-zone.com
This document is official and it does not need to be stamped or signed. To view license detail visit www.saif-zone.com

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 Environmental 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 14001:2015
(Environmental Management System)

SCOPE

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

Certificate Number : **060125029624**

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 :

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

Abhishek

Managing Director



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



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)

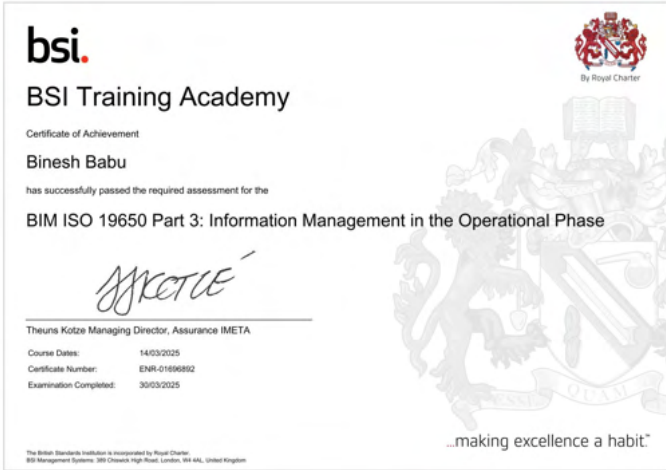
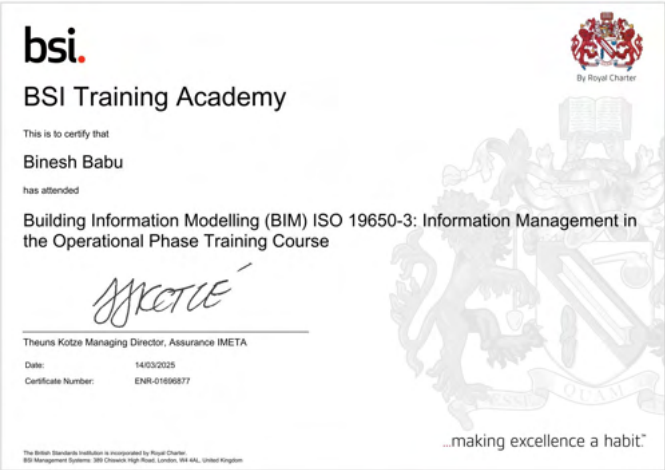
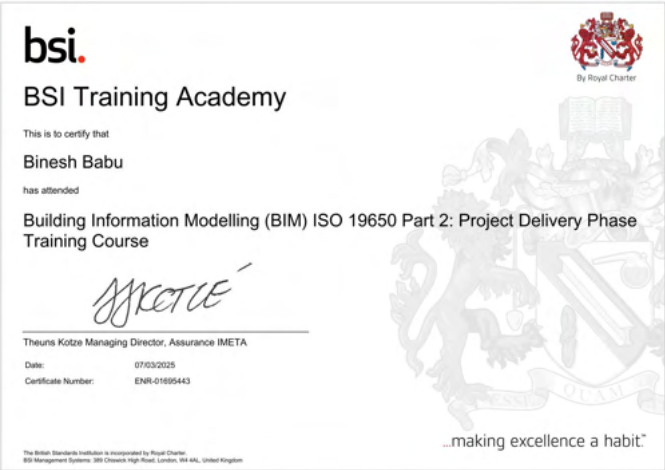
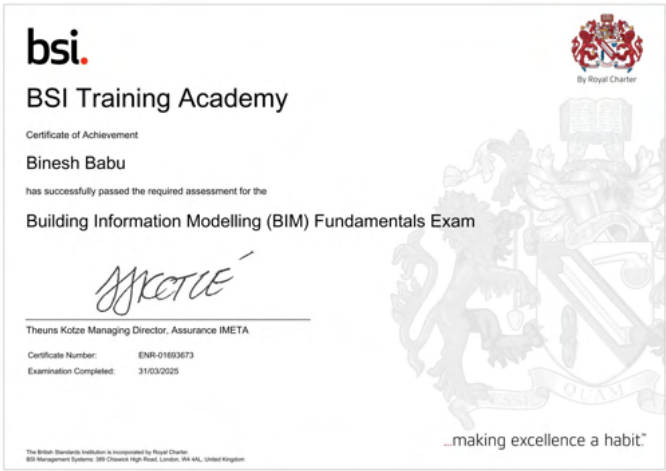
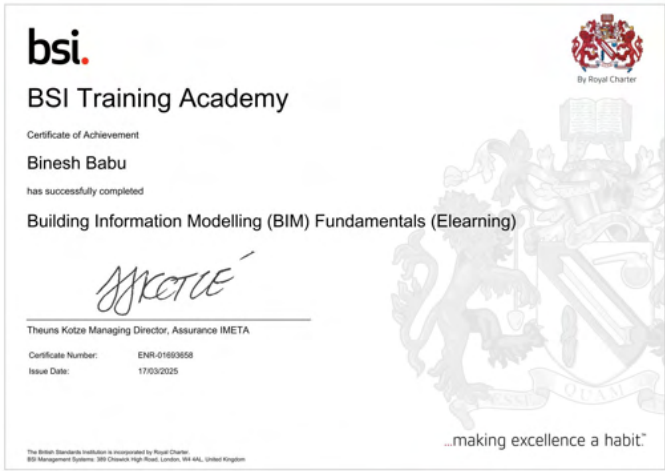
Authorized Signatory

Universal Certification Ltd.

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



Universal Certification Ltd. is accredited with American Accreditation Board (AAB), USA. This Certificate is the property of Universal Certification Ltd. and should be returned on request. This Certificate is not transferable and remain valid only for the above mentioned address and scope. You can verify this certificate at: universalcertification.uk



A BSI Training Academy certificate for Binesh Babu. The certificate is white with a large, faint, light blue watermark of the Royal Coat of Arms on the right side. The BSI logo is in the top left corner. The text reads: 'This is to certify that Binesh Babu has attended Building Information Modelling (BIM) PAS 1192 Part 6: Health and Safety Training Course'. A signature of 'J Kotze' is written in black ink. Below the signature is a horizontal line. Under the line, it says 'Theuns Kotze Managing Director, Assurance IMETA'. At the bottom left, it lists 'Date: 04/04/2025' and 'Certificate Number: ENR-01719334'. At the bottom right, the slogan '...making excellence a habit.' is written in a blue serif font. In the bottom left corner, there is small text: 'The British Standards Institution is incorporated by Royal Charter. BSI Management Systems, 389 Chiswick Road, London, W6 7AL, United Kingdom.'

bsi.

By Royal Charter

BSI Training Academy

This is to certify that

Binesh Babu

has attended

Building Information Modelling (BIM) PAS 1192 Part 6: Health and Safety Training Course

J Kotze

Theuns Kotze Managing Director, Assurance IMETA

Date: 04/04/2025

Certificate Number: ENR-01719334

...making excellence a habit.

The British Standards Institution is incorporated by Royal Charter.
BSI Management Systems, 389 Chiswick Road, London, W6 7AL, United Kingdom.

A certificate from the BSI Training Academy. The header features the BSI logo and the text 'BSI Training Academy'. Below this, it reads 'Certificate of Achievement' and 'Binesh Babu'. The text states that Binesh Babu 'has successfully passed the required assessment for the BIM PAS 1192 Part 6: Health and Safety Exam'. The certificate is signed by 'Theuns Kotze' and dated '04/04/2025'. It also includes the certificate number 'ENR-01719349' and the examination completion date '07/04/2025'. The BSI logo is repeated in the bottom left corner, and the BSI motto '...making excellence a habit™' is in the bottom right corner. The background features a large, faint crest of the University of London.

CLIENT APPRECIATIONS



SAMSUNG
SAMSUNG C&T

Contracting &
Construction
Enterprises

HATCO
TRADING & CONTRACTING

Almoosa Special Hospital
TXG
TECHNICAL XPERTS GROUP

DIGITAL
DELIVERY
PARTNER

Nesma
& 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

EVENTS & EXHIBITIONS

CONSTRUCTION TECHNOLOGY CONFEX KSA 2024

23RD
OCT, 2024



SAUDI AIRPORT EXHIBITION 2024

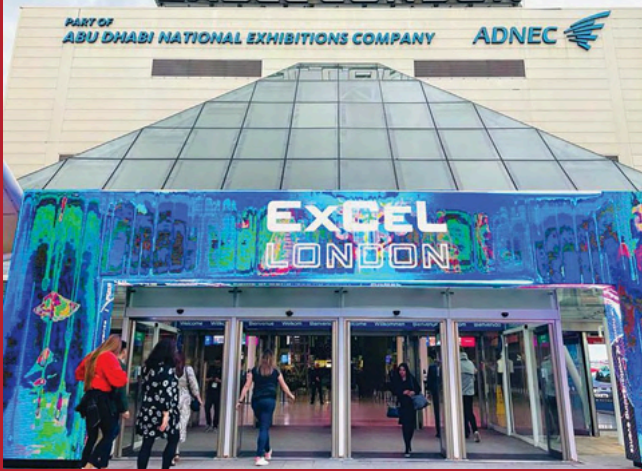
11TH
NOV, 2024



SAUDI AIRPORT EXHIBITION 2023



IFSE INTERNATIONAL 2023



WORLD DEFENSE SHOW 2024





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THANK YOU

We appreciate your time and interest.
Let's build the future together.

CONTACT US

 info@txgksa.com

 www.txgksa.com

