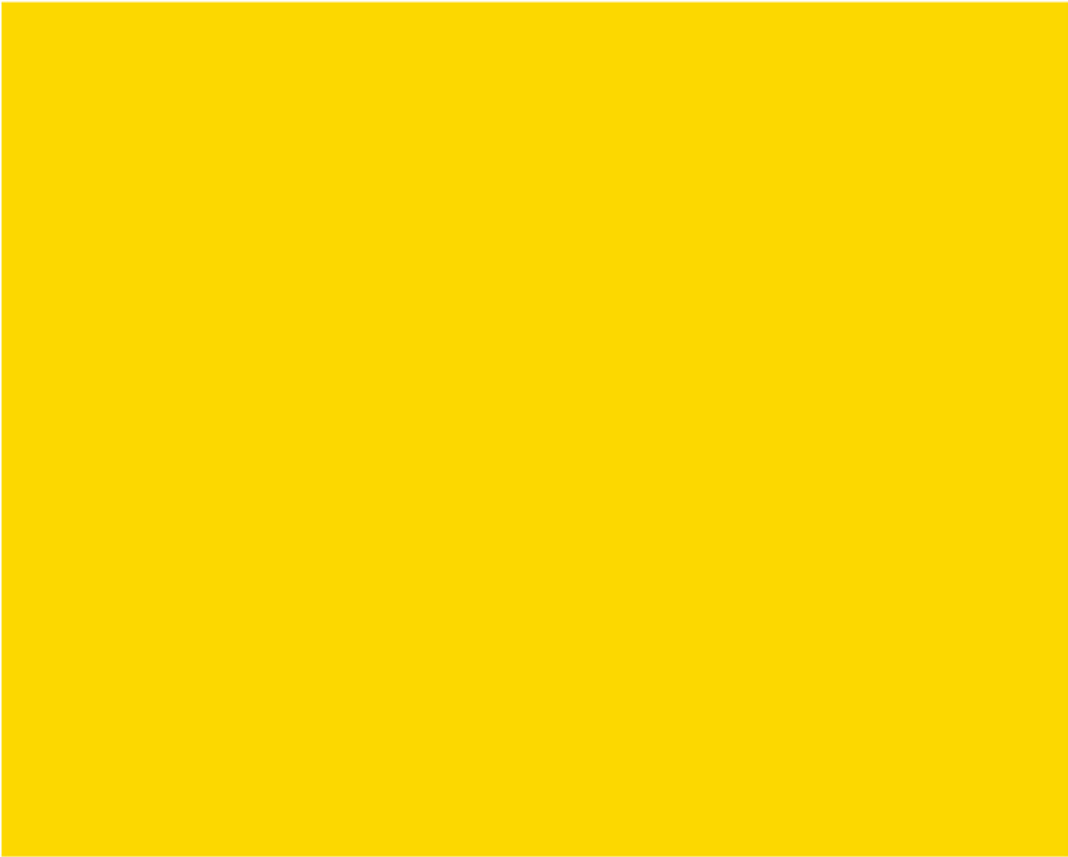


HINDAZA

ENGINEERING BIM

DIGITAL TWIN





A B O U T U S

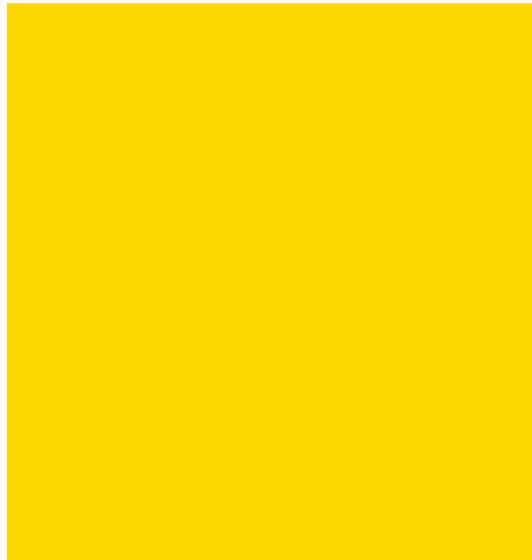
A SPECIALIZED FIRM IN BUILDINGS DESIGN TECHNOLOGY AND CONSULTING
SERVICES ESTABLISHED IN 2011

WE PROVIDE COMPLETE BIM SOLUTIONS INTEGRATED WITH A BROAD RANGE OF
CONSULTING SERVICES, SUPPORTED BY A TALENTED AND KNOWLEDGEABLE TEAM
OF ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL ENGINEERS
FOR BUILDING AND INFRASTRUCTURE PROJECTS

WE PROVIDE INSPIRING, SUSTAINABLE, COMPATIBLE, AND COST-CONTROLLED
DESIGNS TO ENSURE THE SUCCESSFUL COMPLETION OF PROJECTS THAT MEET
OUR CLIENTS' REQUIREMENTS, BUDGETS, AND TIMELINES.

OUR SERVICES

WE PROVIDE STRATEGIC ADVISORY SERVICES THAT WILL IMPROVE THE PERFORMANCE OF COMPANIES AND THEIR EMPLOYEES, IN ADDITION TO ENGINEERING SERVICES AND TECHNICAL SUPPORT FOR CONSULTANT, CONTRACTORS, OWNERS, PROJECT MANAGERS. AND HIRE OF BIM SOFTWARE TO COORDINATE BETWEEN ENGINEERING DISCIPLINE TO FIND PROBLEMS AND .WORK TO SOLVE IT



OUR VALUE

PROVIDE TO OUR CLIENTS WITH AN INNOVATIVE SOLUTIONS THAT EMPHASIS ON QUALITY, COST, WORKABILITY, DURABILITY AND TIME LINE RESPECT

ENHANCED AND IMPLEMENT THE USE OF HI-TECH AND STATE OF THE ART SOLUTIONS IN OUR DESIGNS THROUGH ADOPTION OF (BIM) TECHNOLOGY.

INTEGRITY, TRUST, RESPECT AND BELIEF IN EVERYTHING WE DO.



OWNER & INVESTORS

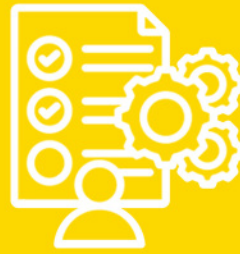
PRELIMINARY PROJECT STUDIES

SUPERVISION

CLIENT REPRESENTATION

DESIGN MANAGEMENT
& COORDINATION

FACILITY MANAGEMENT



PROJECT MANAGEMENT

PROJECT SCHEDULING

ESTIMATING AND VALUE
ENGINEERING

COORDINATION OF CONSTRUCTION
WITH BUILDING MANAGEMENT

COORDINATION WITH CONTRACTORS



CONSULTANTS

FULL AND PARTIAL DESIGN
SERVICES

BIM IMPLEMENTATION FOR
CONSULTANT SCOPE

TECHNICAL SUPPORT FOR
CONSTRUCTION DOCUMENTATION



CONTRACTORS

LEASER SCAN MODEL FOR EXISTING
CONDITIONS

BIM IMPLEMENTATION FOR
CONTRACTOR SCOPE

4D & 5D SIMULATION.

CLASH FREE MODEL

GENERATE SHOP DRAWINGS
& AS-BUILT DRAWINGS

BIM STRATEGIC SERVICES

01

ESTABLISHING EMPLOYER INFORMATION REQUIREMENTS EIR AND BIM REQUIREMENTS FOR REQUESTS FOR PROPOSALS.

02

ESTABLISHING CONTRACT DOCUMENTS TO DEVELOP BIM FOR CLIENTS, AS WELL AS CONTRACT COMPLIANCE TRACKING AND APPROVING DELIVERABLES.

03

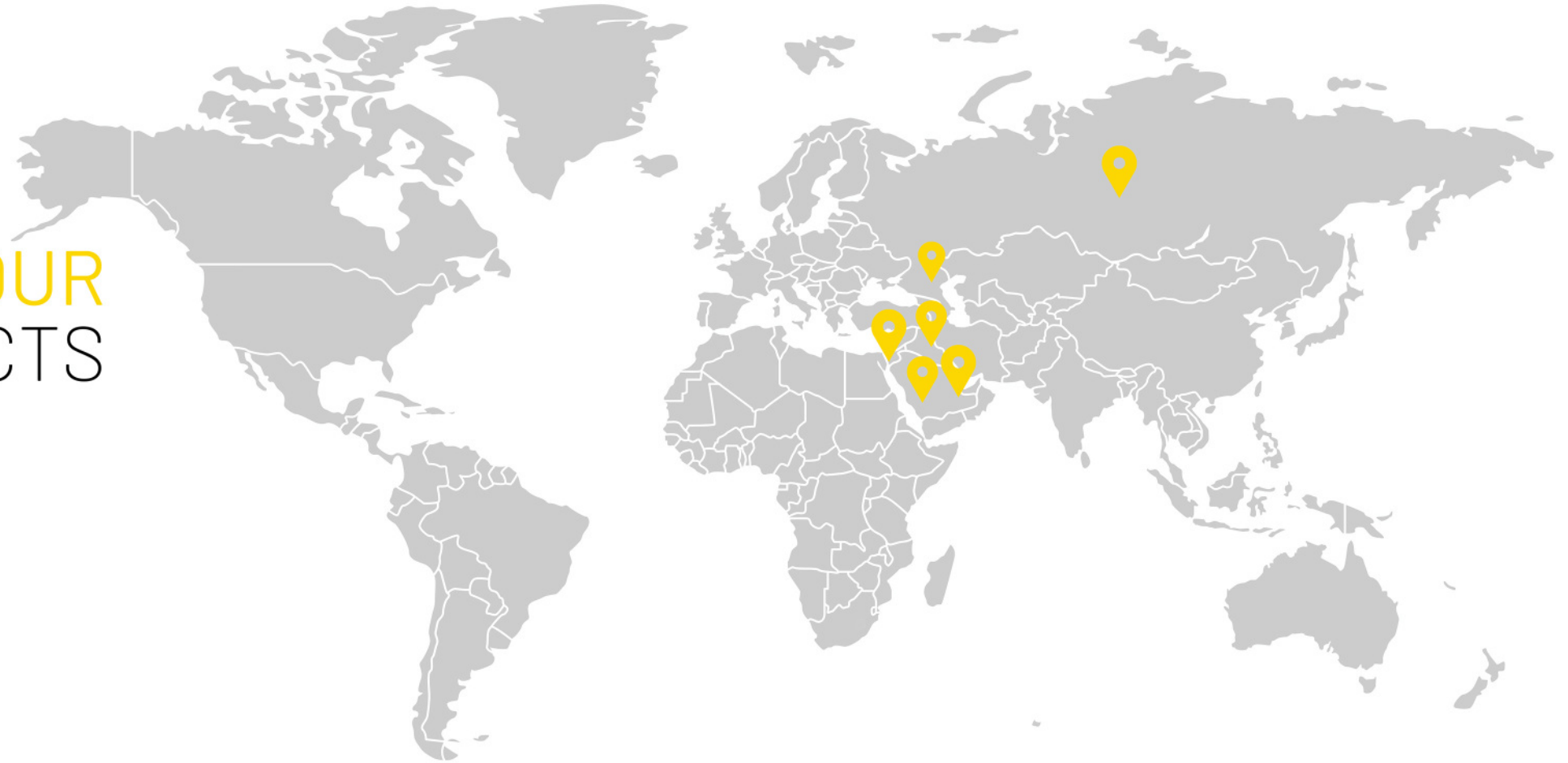
ESTABLISHING BIM EXECUTION PLAN, MULTIDISCIPLINARY COORDINATION COLLABORATION WORKFLOWS AND STANDARDS.

04

ADVISING ON THE EVALUATION AND SELECTION OF THE PROPER COMMON DATA ENVIRONMENT CDE AND SOFTWARE PACKAGES AND PROVIDING SET UP AND TRAINING SERVICES.

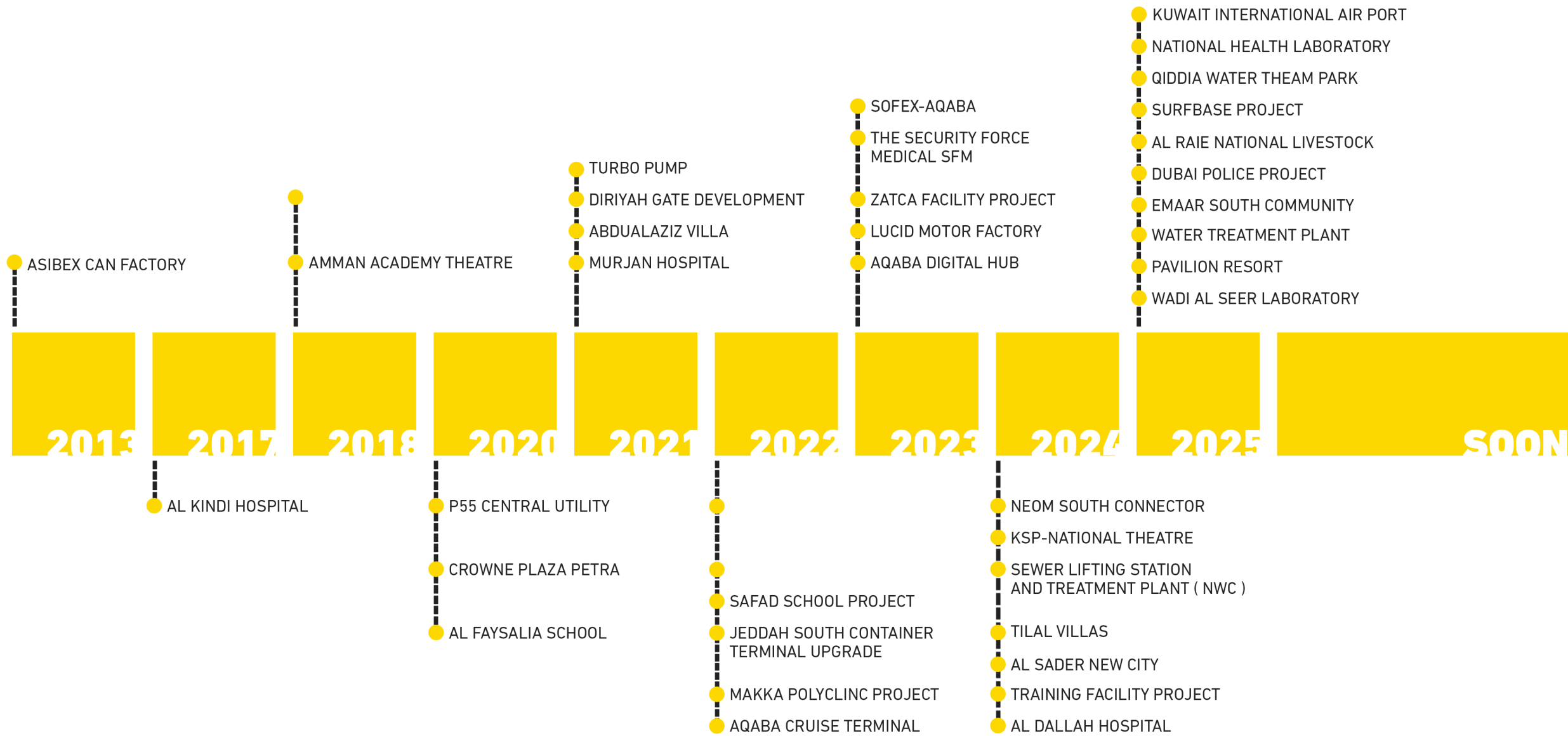
OUR PROJECTS

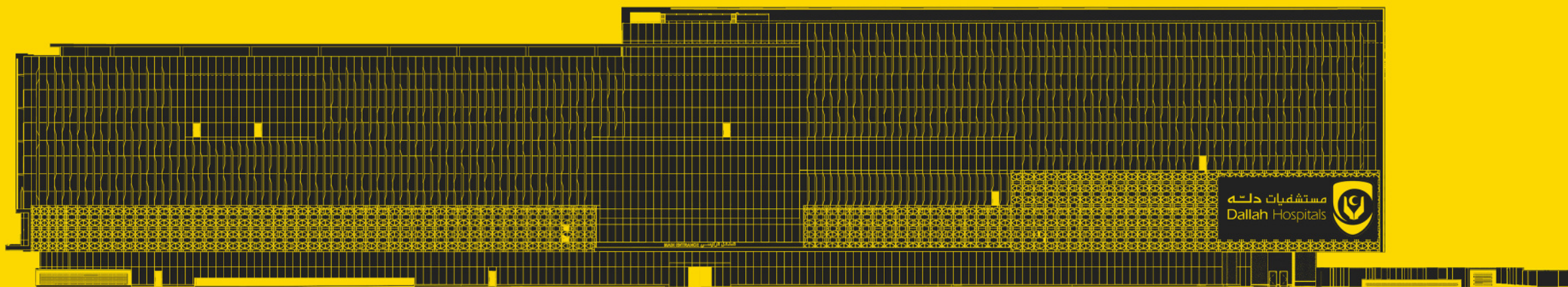
- HEALTH CARE
- DATA CENTER
- EDUCATIONAL
- RENOVATON
- LANDSCAPE
- RESIDENTIAL
- COMMERCTURE
- INFRASTRUCTURE
- THCHNICAL BUILDINGS



Jordan | Saudi Arabia | Qatar | UAE | Iraq | Azerbaijan | Russia

COMPANY TIMELINE





HEALTH CARE PROJECTS



Security Forces Medical Center

SAUDI ARABIA - JEDDAH

Client: Ministry of Interior

Scope: Architectural model LOD 400 based on the Room lay sheet RLS
Coordination with the MEP consultants

Area: 491,000sqm

Creating the largest medical complex ever built in the Middle East. A project to create a new medical complex for military personnel and their families in Jeddah is set to become the largest healthcare facility built to date in the Middle East.

Covering a site of some 2.5 million m² with a built hospital area of around 491,000 m² (the equivalent of 49 football pitches), the new complex will offer no fewer than 1,248 hospital beds.



AL KINDI HOSPITAL

JORDAN - AMMAN

Architect of record: Dar Al Omran

Client : Hiba Contracting Company

Scope:

MEP Shop drawings modeling LOD 350 MEP Quantities from Models.

Structural models LOD 300

Architectural model LOD 350 for finish & quantities

Area: 40,000 sqm



LTC MURJAN HOSPITAL

SAUDI ARABIA - JEDDAH

Scope: Architectural modelling up to LOD 300

Area: 38,000 sqm

The proposed Al Murjan Long Term Stay Hospital is a 168 bed hospital, located in Jeddah, KSA, consisting of High dependency care beds, palliative care beds, partially chronic care beds and rehabilitative / pre-discharge beds, spread over various floors of the facility.



ABDALI MEDICAL CENTER

JORDAN - AMMAN

Architect of record: Dar Al Omran

Scope: Prepare MEP model LOD 350 & shop drawings

Area: Basement one 5000 sqm



AL IMAN HOSPITAL

SAUDI ARABIA

Scope:
MEP model up LOD 350 & Shop drawings
Architectural & structural model up to LOD 200 for
coordination

Area: 40,000 sqm

Iman general hospital is a public hospital located Riyadh, providing out standing medical services through a wide range of specialties. the project is multi-story building with almost total height of 30 m and a capacity of 215 beds.



AL DALLAH HOSPITAL

SAUDI ARABIA

Project Overview:

Our firm was engaged to provide BIM-based clash detection and coordination services for a large-scale hospital development. The project involved highly complex mechanical, electrical, and plumbing (MEP) systems requiring full integration with architectural and structural elements.

Client: Aji

Scope:

Identify and manage MEP clashes across all systems.
Coordinate clash resolution with architectural and structural disciplines.
Deliver a fully coordinated MEP model suitable for construction

Area: 150,000 sqm



MAKKAH POLYCLINIC

SAUDI ARABIA - MAKKAH

Scope: Prepare Architectural, Structural, & MEP models up to LOD 500.

Area: 20,000 sqm

IMC Makkah Polyclinic will introduce a new concept to the city based on the limited availability of high-end healthcare providers.



BASMA HOSPITAL

JORDAN - IRBID

Architect of record: Dar Al Omran

Scope: Architectural modelling up to LOD 350 for accurate BOQ

Area: 85,122sqm

The original design which was completed on 2013, the hospital was to accommodate the number of 400 beds expandable to 600 beds. Consists of 9 floors, including 4 basement levels and mezzanine The Architect have developed the new design in way to have the most attractive building and best functions matching with international Healthcare



PRINCE SALMAN HOSPITAL

SAUDI ARABIA - MAKKAH

Scope:
model the MEP up to LOD350, & generate the shop drawings
Architectural & structural up to LOD 200 for coordination

Prince Salman hospital is with total built-up area of 50,000 m²
and a capacity of 200 beds.



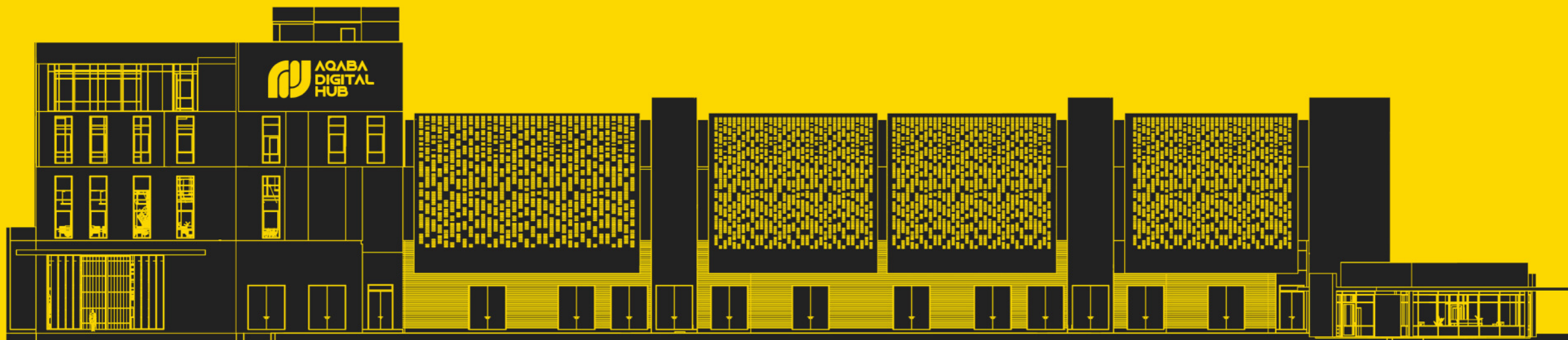
AL - MADINA HOSPITAL

SAUDI ARABIA - AL-MADINA

Scope: MEP shop drawings

Area: 12,600 sqm

One of the leading general hospitals in the KSA, with many sectors, including pediatrics, pulmonology, and anesthesiology. As of February 2016, the hospital has equipped itself with 300 beds and on October 2017, new patient wards have been officially opened



DATA CENTER PROJECTS



AQABA DIGITAL HUB

JORDAN - AQABA

Architect of record: Consolidated Consultants Group (CCG)

Client: AL MIRNAAH INVESTMENT & BUSINESS DEVELOPMENT Co. PSC.

Area: 000 ,20sqm

Scope:

Design review for MEP works
Architectural & MEP modeling up to LOD 400
Shop drawings and as built
ID design for administration building with STR, MEP related works
Structural model LOD 300 for coordination

BUSINESS CENTER

A bespoke business continuity center that embraces modernity and the global digital revolution.

Provides a tailored blend of comfort and professional services to increase growth of businesses.

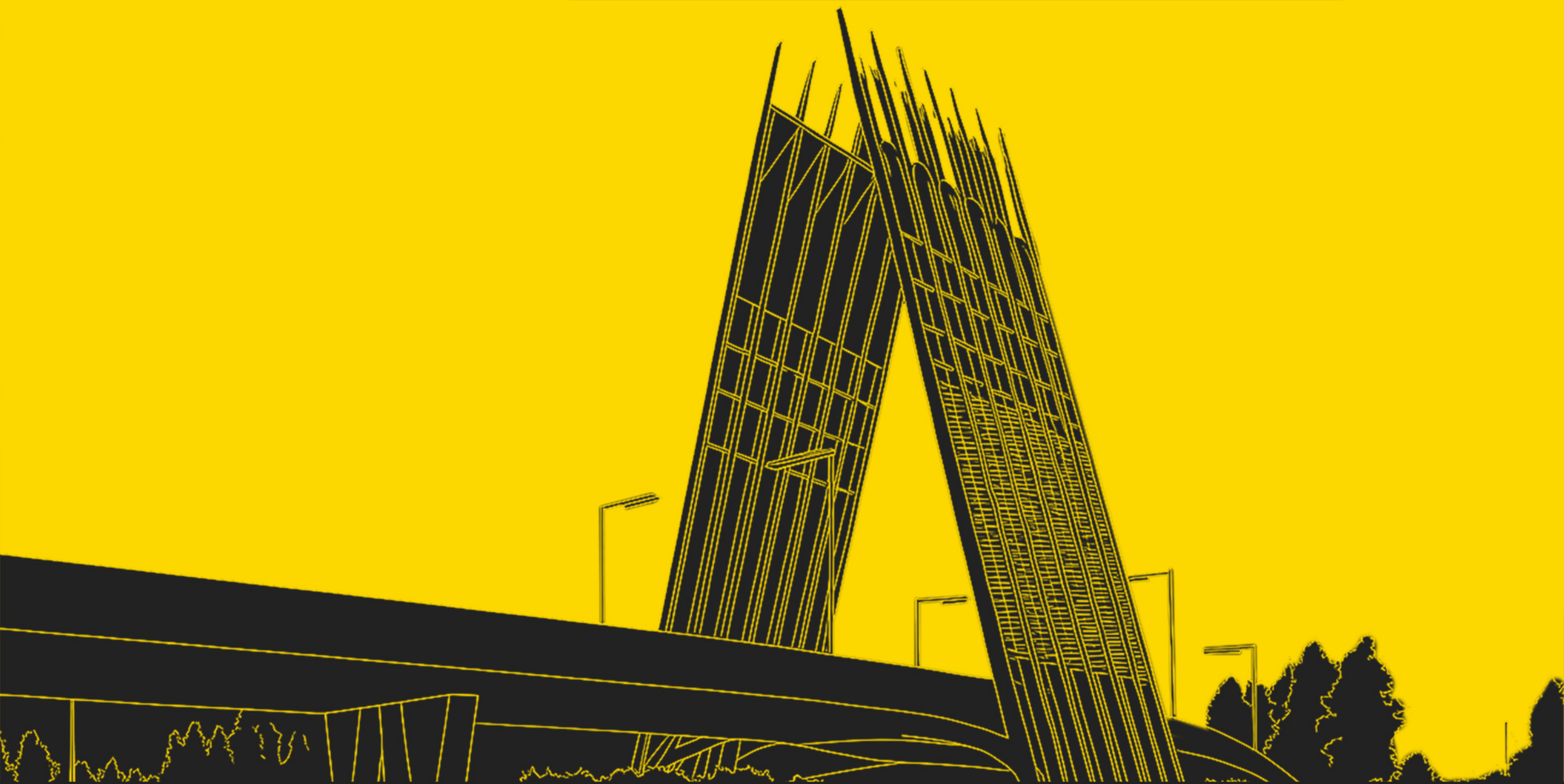
Utilizes all infrastructure, technologies and facilities that Aqaba Digital Hub offers.



AQABA DIGITAL HUB

JORDAN - AQABA

Designing the ID (Interior Design) for an administration building involves incorporating structural, and MEP aspects related to the building's functionality and aesthetics.



LANDSCAPE & INFRASTRUCTURE PROJECTS

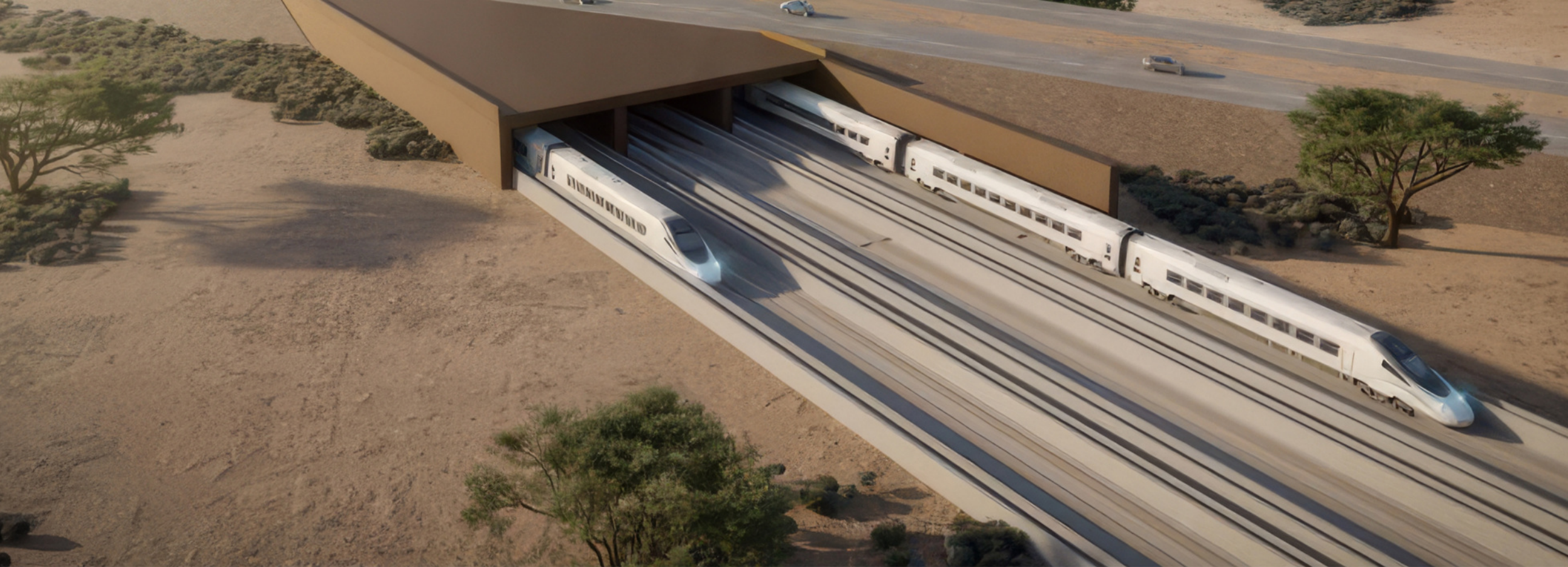


DIRIYAH GATE

SAUDI ARABIA

www.eng-bim.com

Scope:
Infrastructure model up to LOD350 & shop drawings
Landscape model up to LOD 350 and shop drawings
Coordination with existing works



NEOM SOUTH CONNECTOR (RAILWAY)

SAUDI ARABIA

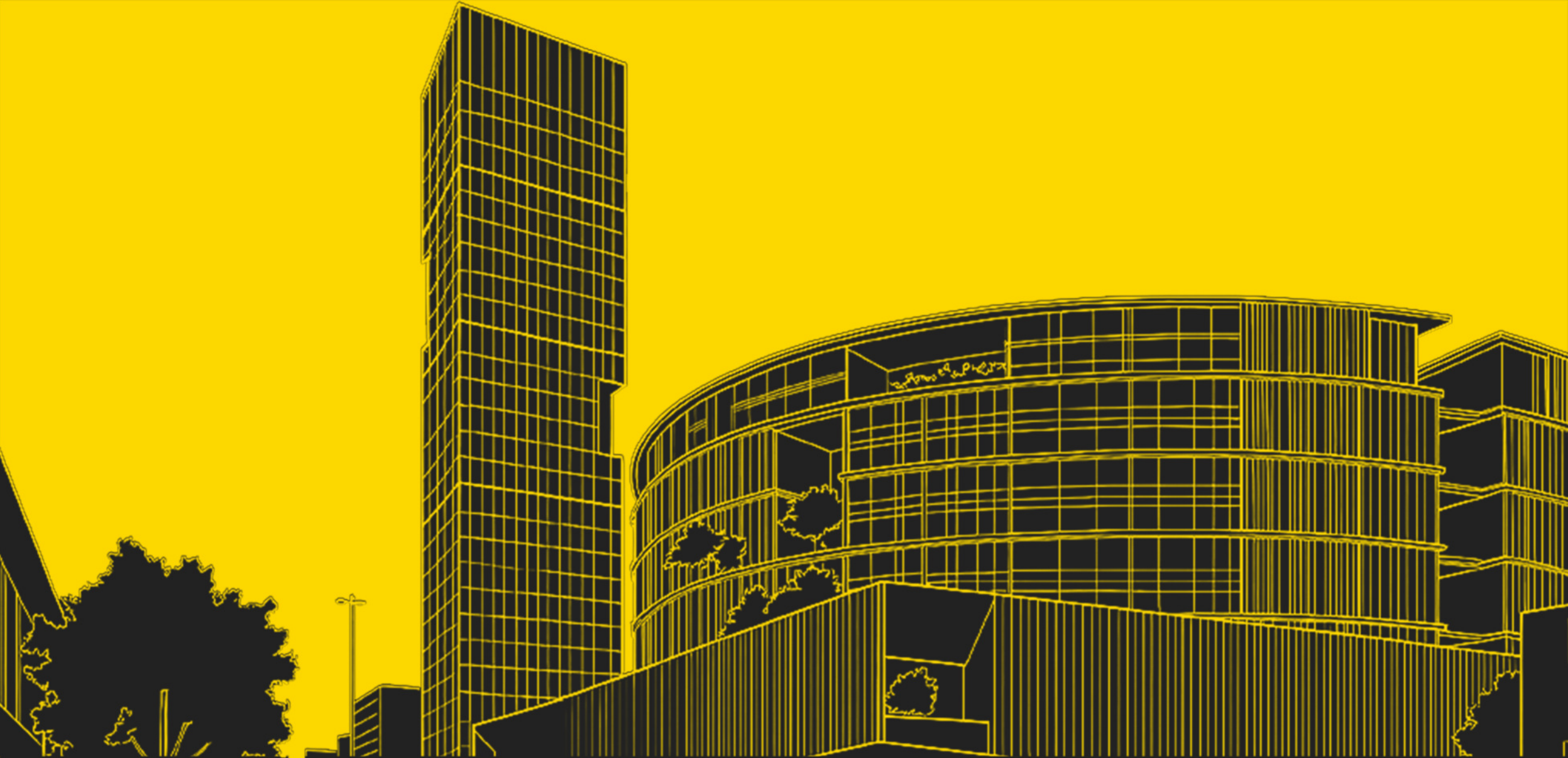
Architect of record: AJi

Client: NEOM

Length: 80 Km

Scope:
Design the structural elements (Culverts, protection element, Manholes,...)
Coordinate the works with the existing utilities

The line is a proposed city located in the north-west of Saudi Arabia. The Spine is a proposed rail system which will serve THE LINE and via The Connector, connect to Oxagon comprising multiple tracks for passenger and freight services. The Spine alignment runs below-ground in cut-and-cover tunnels and through mountain bored tunnels. The Spine design includes group mass transit, freight and high-speed rail systems.



COMMERCIAL PROJECTS



ROSE WOOD RESORT

SAUADI ARABIA

www.eng-bim.com

Client: Red Sea Global

Scope:

- Architectural fit out modeling LOD 400
- interior model



QIDDIYA RESORT CORE

SAUADI ARABIA

www.eng-bim.com

Client: Qiddiya Investment Company - QIC

Scope:

- 3km Chilled Water Network Plans.
- Network Profile.
- As-built model & drawings.
- Shop drawing.



NATIONAL THEATRE KSP

SAUDI ARABIA

www.eng-bim.com

Scope : Electrical modeling and shop drawings up to LOD 500 including following buildings :

- National theatre (NTH)
- Medium theatre
- Hospitality

Area: 55,000 sqm



CROWNE PLAZA PETRA RESORT

JORDAN - PETRA

Architect of record: AL-Nasser Partner

Client: National Co, For Tourism Development

Contractor: Arab Construction & Contracting (ACCC)

Area: 18,000 sqm

Scope:

- Renovation for Architectural, Structural and MEP services
- Create models up to LOD 350
- Generate shop drawings for all discipline

The Crowne Plaza Petra, situated in a UNESCO world heritage site, it is a renovation project where there are an existing facilities have been built in 1980s, and that was the main challenge, in addition to the an existing tunnel with more than 400m long



HOUSING BANK

JORDAN - AMMAN

Architect of record: Arabtech Jardaneh

Client: El-Conord Contracting

Area: 78,800 sqm

Scope: Architectural model up to LOD 300

The client's intention was to build iconic new headquarters in the heart of the Shmeisani district in Amman. Arabtech Jardaneh delivered the striking design shown in background which consists of 7 floors above ground housing the main banking services as well as executive offices and management facilities, in addition to 1 Sub-Ground or level housing services and 3 Basement parking levels.

AQABA

Cruise Terminal

The one stop solution for managing cruise operations at Aqaba Cruise Terminal.

AQABA CROUISE TERMINAL

JORDAN - AQABA

It will be the first facility to be developed by AD Ports Group in Jordan and its first cruise facility outside of the United Arab Emirates. The new terminal will serve as a gateway in the Port of Aqaba that will receive cruise ships passengers visiting the Red Sea, in addition to serving as a major attraction for the residents of Aqaba with a wide range of tourism, commercial, and entertainment services.

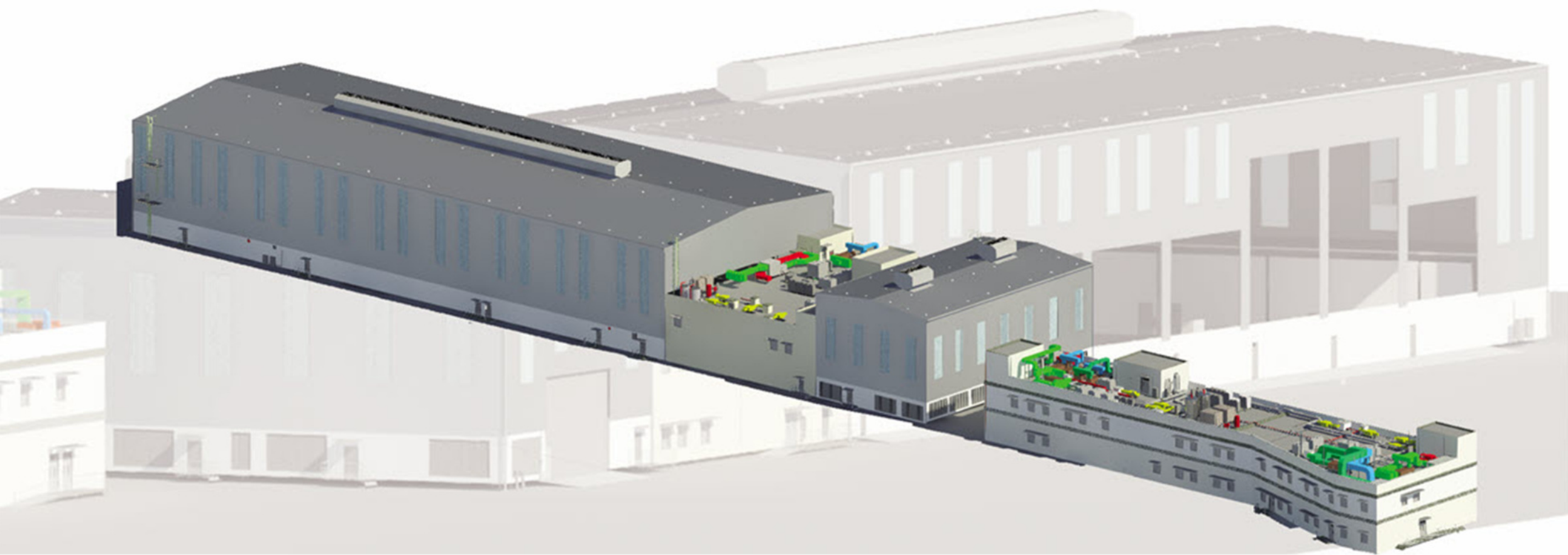


AQABA CROUISE TERMINAL

JORDAN - AQABA

Scope:

- Low current shop drawings with coordination with other MEP works
- Work with data center located in this project for different parties (Abu Dhabi port, Custom, Public Security Directorate & General Intelligence Directorate)



JEDDAH SOUTH CONTAINER TERMINAL UPGRADE

SAUDI ARABIA

Area: 18,000 sqm

Scope:
Prepare Structural & MEP model LOD 350 and SD for buildings
(Amenities, Workshop, Main substation, & Quay-Side Substation)

It is part of the existing Jeddah Islamic Port - a crucial link in the world's busy east-west trade routes through the Red Sea and catering to a rich domestic cargo base. The terminal has been operated by DP World middle east limited.



SPECIAL OPERATION FORCE EXHIBITION (SOFEX)

JORDAN - AQABA

Area: 35,000 sqm

Scope: Shop Drawing for Electrical Low Current System

The Special Operations Forces Exhibition and Conference (SOFEX) is a special operations and homeland security event that is held every two years. The specialized event is held under the patronage of King Abdullah II, and supported by the Jordanian Armed Forces



KING FAISAL AIR ACADEMY

SAUDI ARABIA

More than 25 build with different functions like Satellite Flightline
Sunshade Aircraft Wash Hanger...

Scope:
Generate MEP model up to LOD 400 and Shop drawings

Area: 95,000sqm



SURF BASE PROJECT

DUBAI - CITYLAND MALL

Client: SURF BROTHERS

Area: 4985 sqm

Scope:
Architectural, Structural and MEP design (With LOD 350)



SURF BASE PROJECT

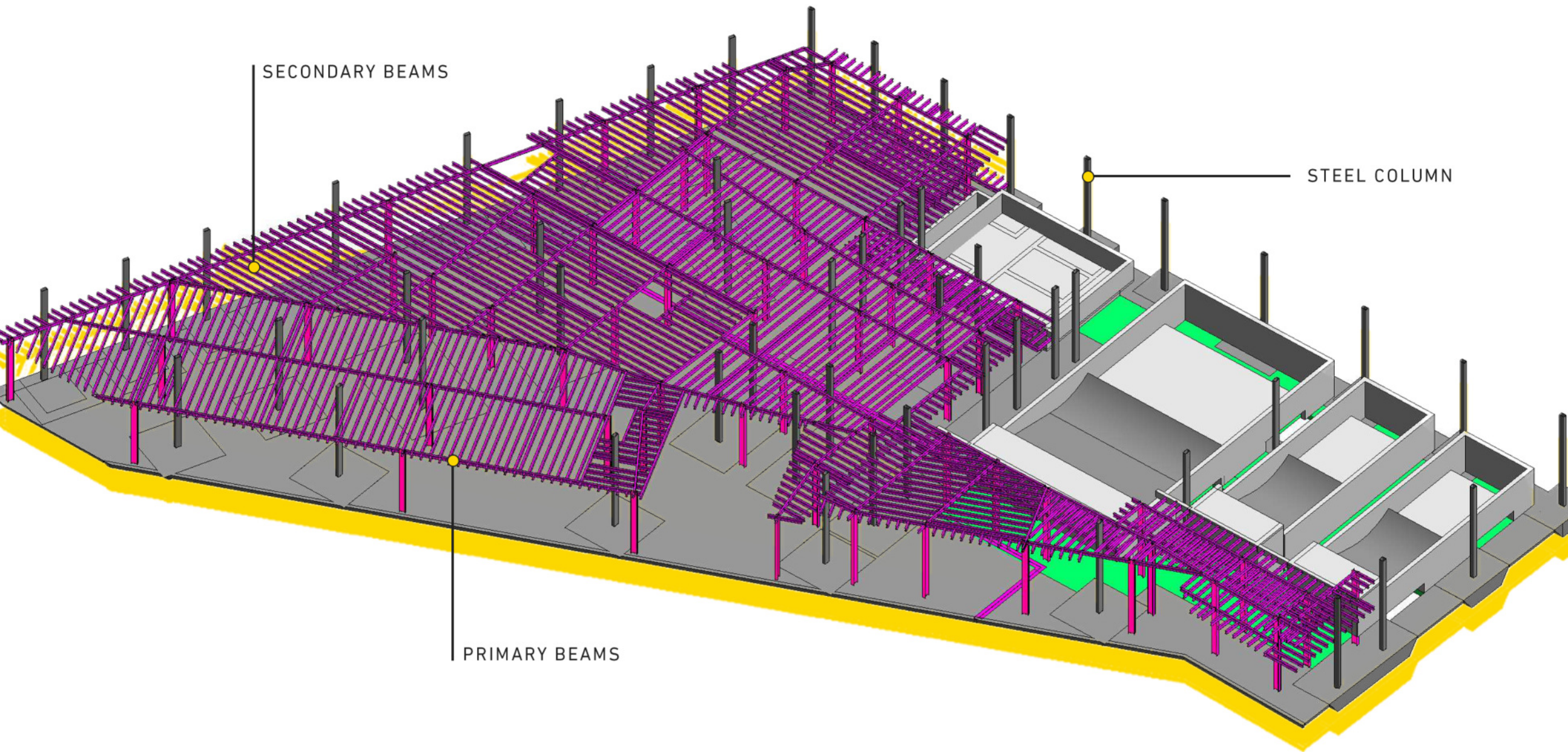
DUBAI - CITYLAND MALL

www.eng-bim.com

Client: SURF BROTHERS

Area: 4985 sqm

Scope:
Architectural, Structural and MEP design (With LOD 350)



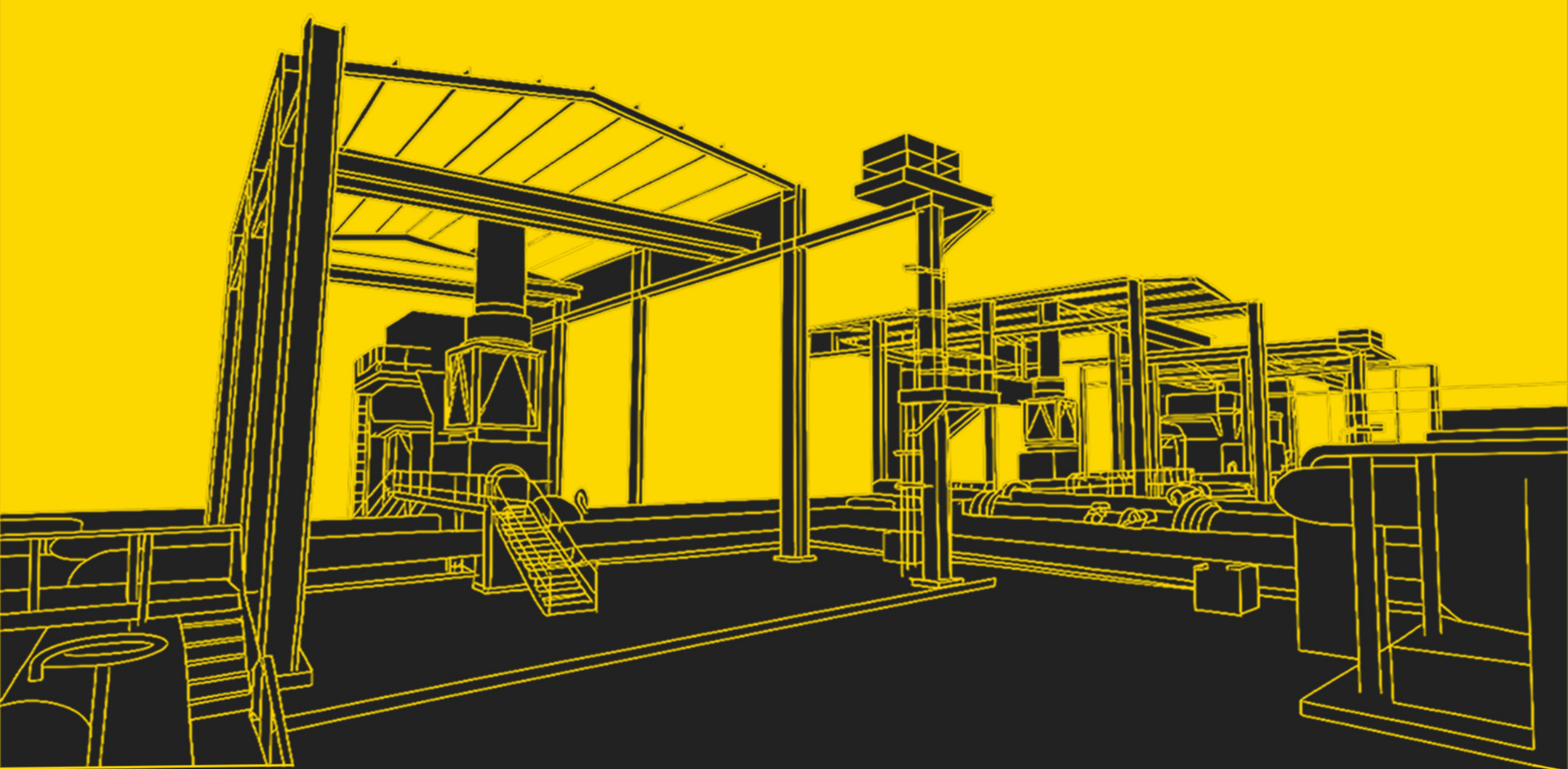
SURF BASE PROJECT

DUBAI - CITYLAND MALL

Client: SURF BROTHERS

Area: 4985 sqm

Scope:
Architectural, Structural and MEP design (With LOD 350)



TECHNICAL PROJECTS



LUCID MOTORS FACTORY

SAUDI ARABIA

Contractor: Al Bwani

Scope:

Architectural fit out modeling LOD 400 and LOD 500
Architectural shop drawings and as built
MEP modeling LOD 400 & LOD 500
MEP shop drawings and as built
Steel Structural calculation for Demountable Partition
Site modeling and coordination

Buildings Area: 30,000 sqm
Site Area: 320,000 sqm



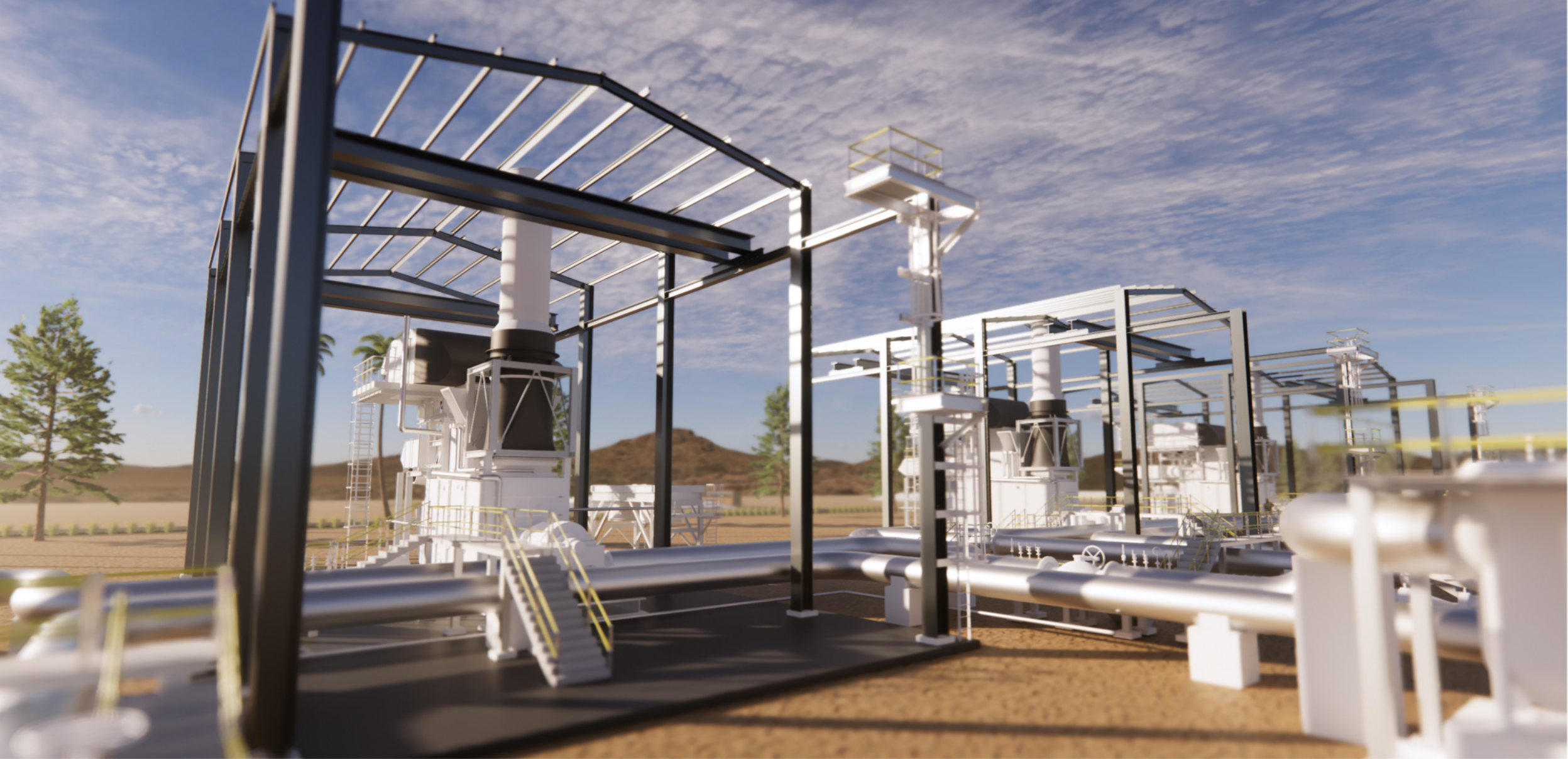
ASIBEX-CAN FACTORY

IRAQ

Scope: Prepare MEP model LOD 350 and SD

Area: 18,000 sqm

This project has a different typology where it is a factory for cans, our role was to design the production lines with all their MEP services in form of Revit model (LOD up to 350) to extract all shop drawings in intelligent way.



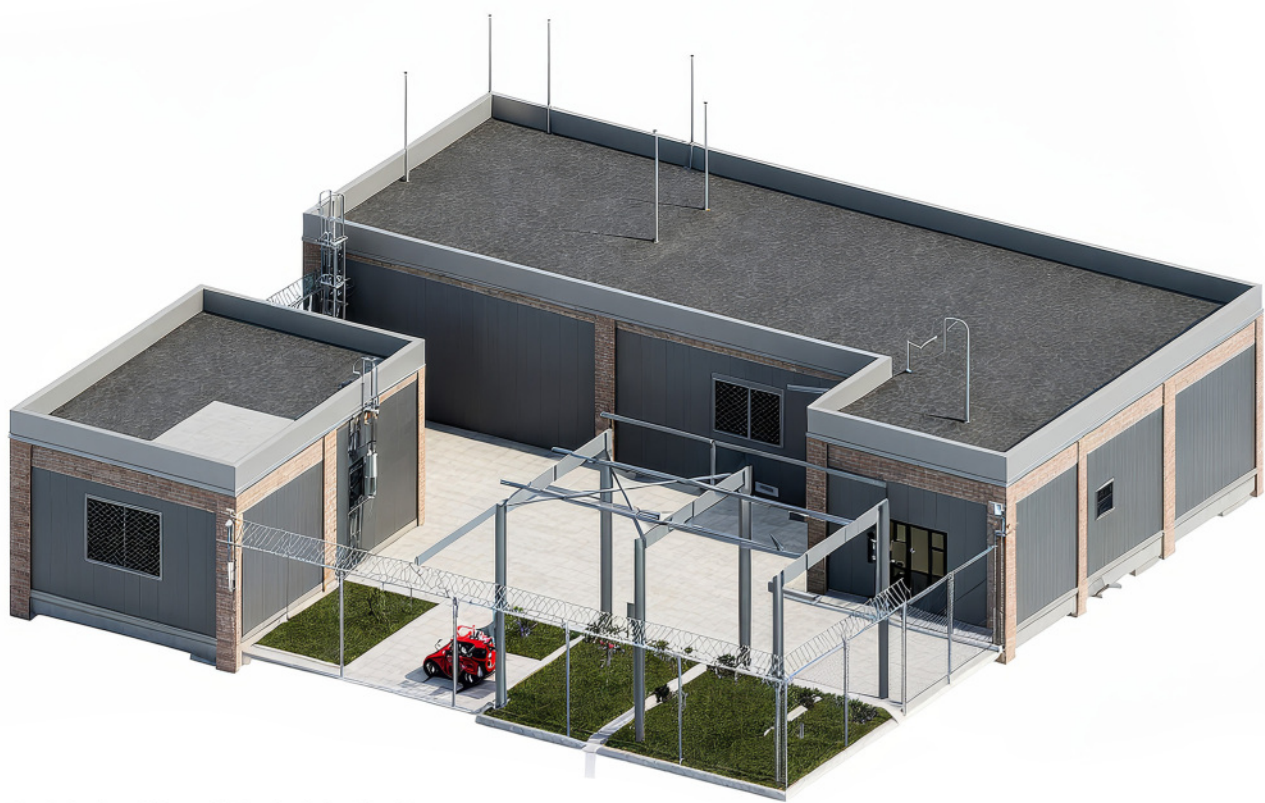
ZUBAIR II PUMP STATION

IRAQ

Scope:

- Generate MEP models up to LOD 400
- Coordinate and connect the new design with existing turbo pumps

The Zubair oil field is located in southern Iraq, approximately 20km south-west of Basrah, Iraq. The onshore oil field contains 4.5 billion barrels of proven reserves.



WELLS PUMP

SAUDI ARABIA

Client: AJi

Scope: Architectural, Structural & MEP design stage up to LOD 300 for six wells

Generate structural analysis
Generate design models
Generate design drawings

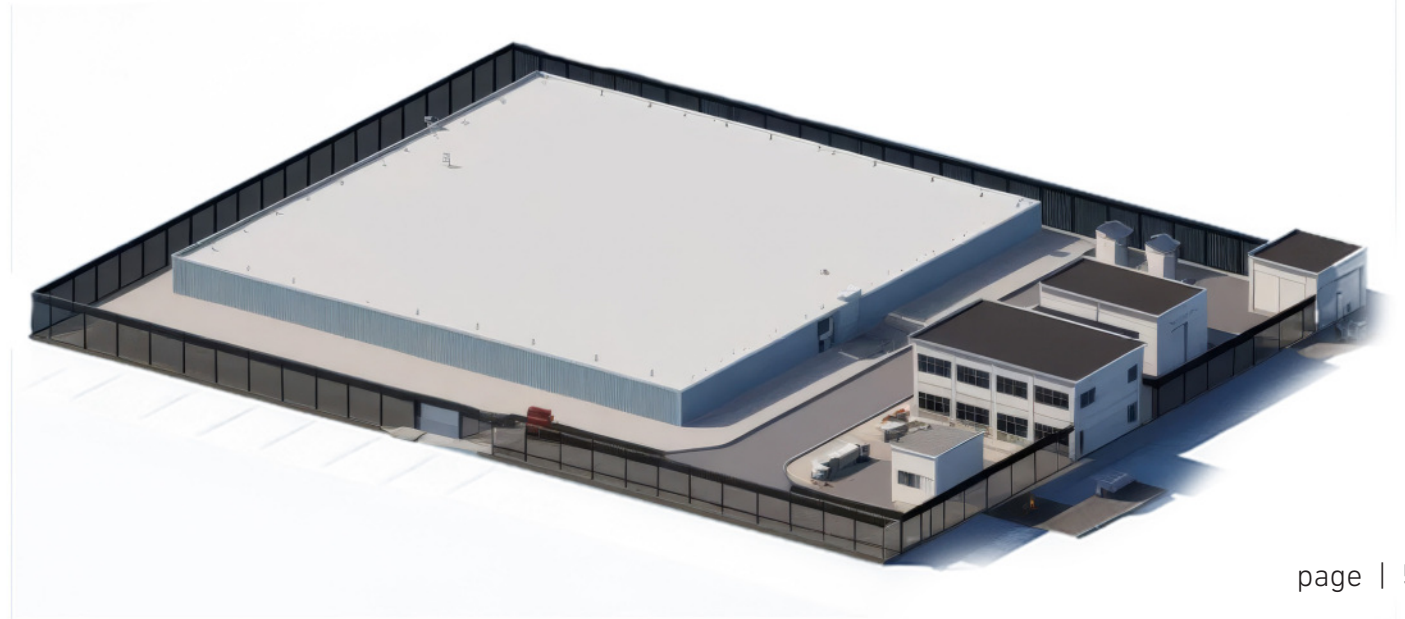
BULK WATER

SAUDI ARABIA

Client: AJi

Scope: Architectural, Structural & MEP design stage up to LOD 300 for two tanks

Generate structural analysis
Generate design models
Generate design drawings





AL SADER CITY
IRAQ

www.eng-bim.com

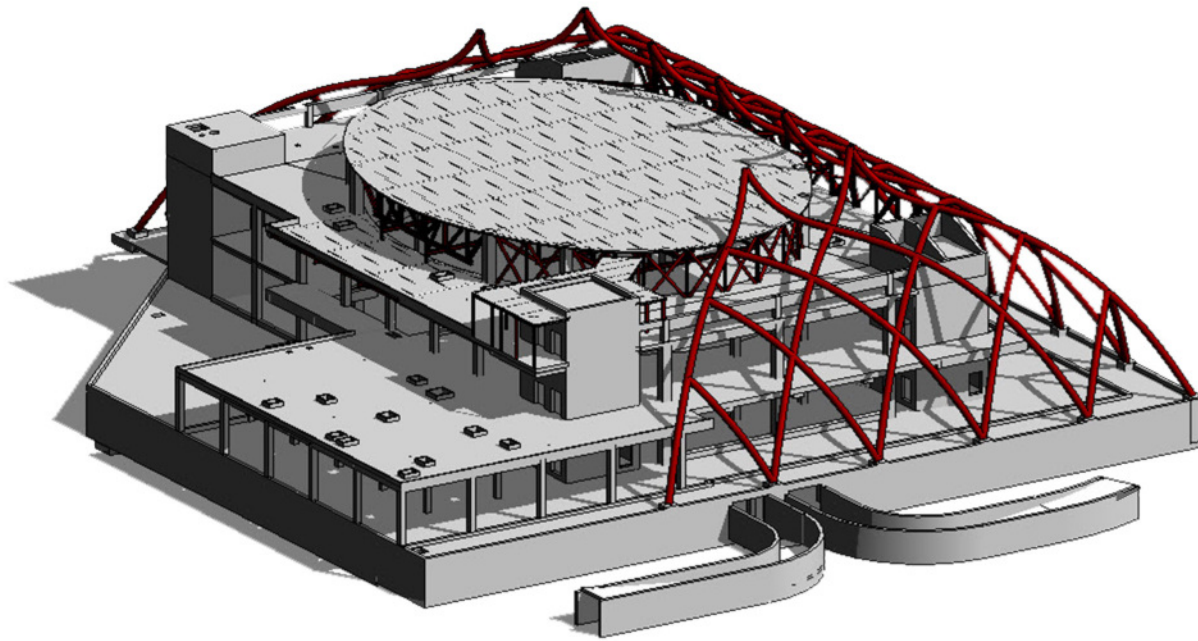
Client: Aji

Scope: Design stage up to LOD 350 for:
Structural work / underground structure
Architecture
MEP

12 Lifting Stations

Wastewater lift station is a pumping station that moves wastewater from a lower elevation to a higher elevation.

The benefit of using a lift station in a sewage collection system is that it saves a substantial amount of money in excavation costs, which involves digging for sewer pipes.



BANQUET HALL AZERBAIJAN

Scope:

MEP model up to LOD 300 in purpose to generate drawings from the model.

Area: 16,700 sqm

TECHNICAL BUILDING RUSSIA

Scope:

- Architectural, Structural and MEP models up to LOD 350
- Generate the shop drawings from models

Area: 3,000 sqm



ALYOUM FOOD FACTORY

JORDAN

Scope:

This project involves the design and calculation of ventilation loads for multiple industrial buildings within the treatment plant at the Alyoum Factory. The scope includes conducting site assessments, analyzing building functions and occupancy, identifying equipment heat gains, and determining fresh air requirements based on industrial standards and local codes. Detailed ventilation load calculations will be carried out for each building using suitable engineering software and manual methods. The final deliverables will include HVAC system design parameters, ventilation rates, airflow distribution layouts, and equipment specifications to ensure optimal indoor air quality, thermal comfort, and regulatory compliance. Coordination with architectural and process engineering teams will be maintained throughout the project.

Area: 350 sqm



EDUCATIONAL PROJECTS



AA AMMAN ACADEMY
THEATRE



AQABA SPORT CITY

JORDAN - AQABA

Architect of record: Dar Al-Omran

Scope:

Site & infrastructure services up to LOD 300

Area: 285,500 sqm

AMMAN ACADEMY THEATRE

JORDAN - AMMAN

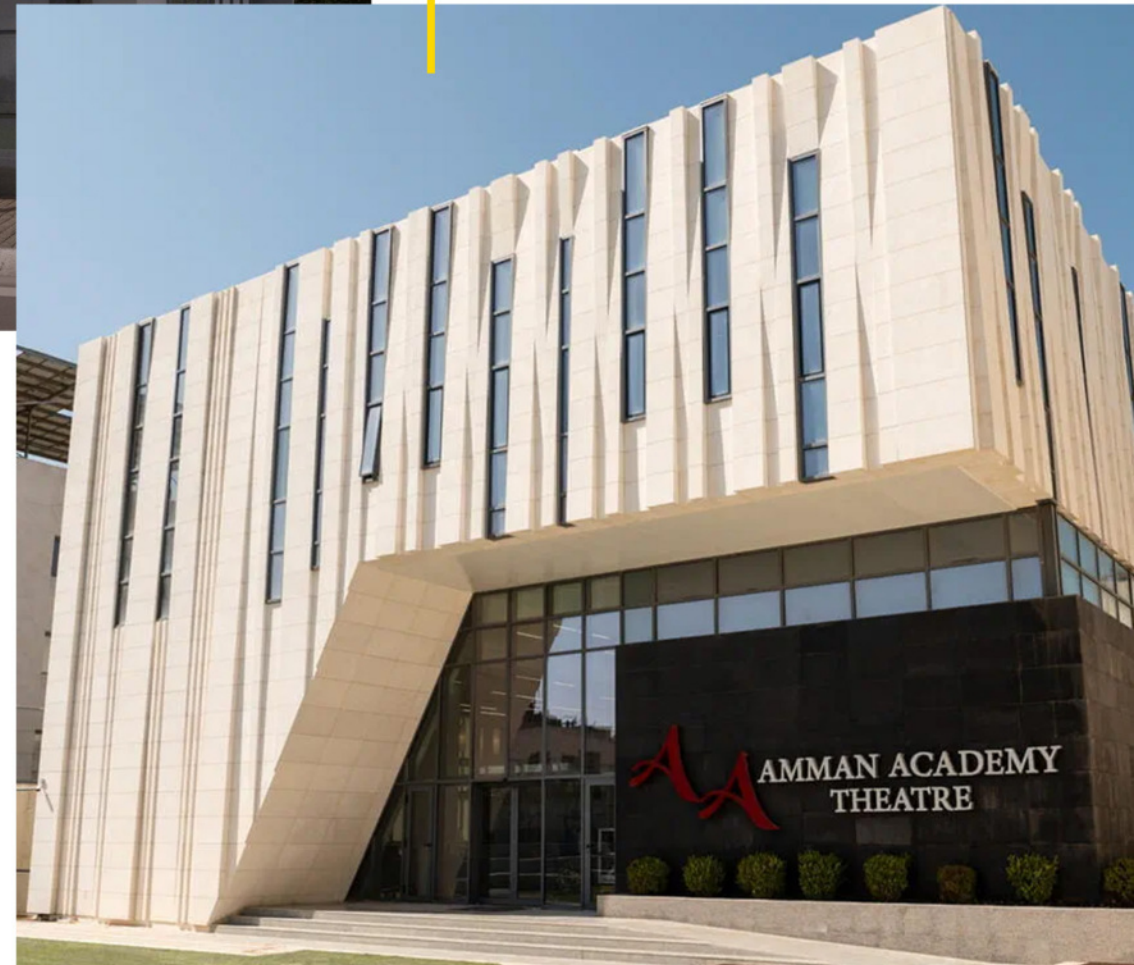
Architect of record: Dar Al-Handasah

Client: Arab Contracting Company CO (ACCC)

Scope:

- MEP model LOD 350 and shop drawings
- Architectural & structural model for coordination

Area: 3000 sqm





RESIDENTIAL PROJECTS



EMAAR SOUTH COMMUNITY

UNITED ARAB EMIRATES - DUBAI

Client: Emaar

Area: 6,720,000 sqm

Scope:
Schematic Stages



AL-RAYYAN PALACE

QATAR

www.eng-bim.com

Scope: MEP design using Revit LOD 300

Area: 34,000 sqm

Rayyan Palace with its sense of majesty where the most beautiful project we have been working on. Our role was limited to design wide range of MEP services that purpose different spaces with different functions.



MR. ABDUL AL-AZIZ VILLA

SAUDI ARABIA

www.eng-bim.com

Scope:

MEP and structural design services

Area: 1,800 sqm



MR. ABDUL AL-AZIZ VILLA

SAUDI ARABIA

Scope:

MEP and structural design services

Area: 1,800 sqm



TILAL AL FURJAN

UNITED ARAB EMIRATES - DUBAI

www.eng-bim.com

Tilal Al Furjan is a new development by Nakheel that offers a choice of 5 & 4 bedroom villas located at Al Furjan within Dubai. The development presents a lifestyle within the lush green landscapes that weaves between timeless, modern architecture with posh amenities

Scope:

- Architectural modeling
- MEP modeling
- Structural modeling

Area: 22 Hectare



TILAL AL FURJAN

UNITED ARAB EMIRATES - DUBAI

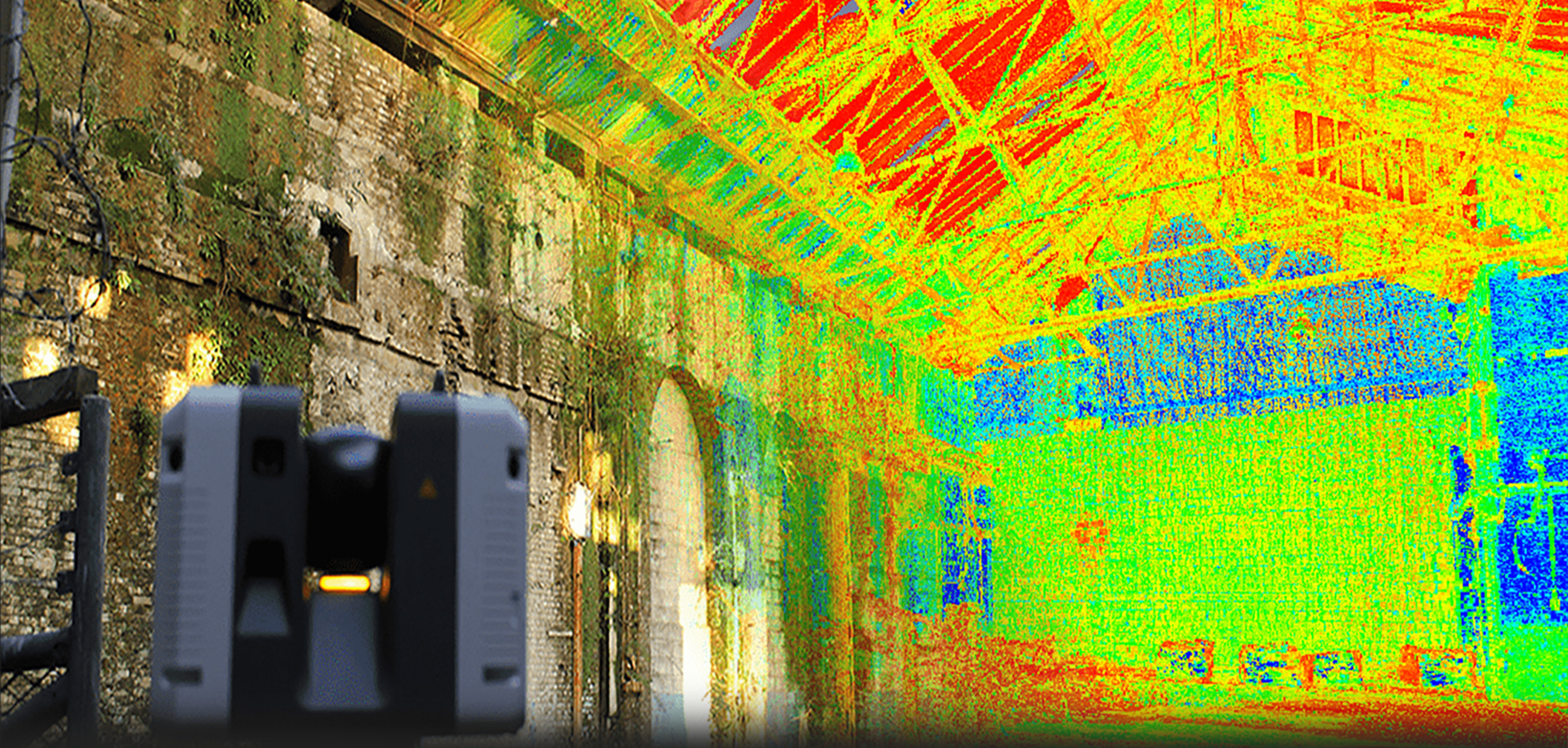
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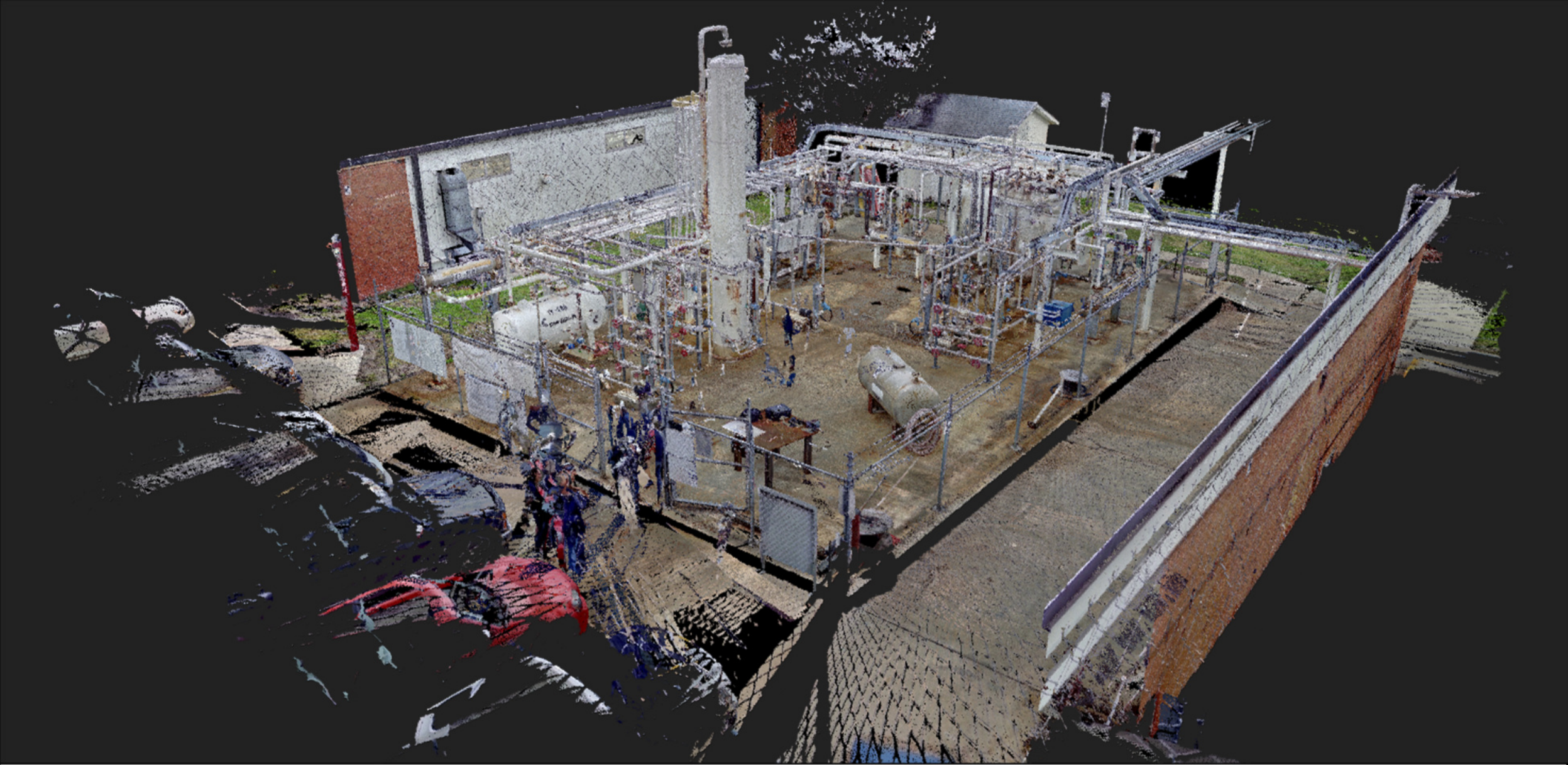
Scope:

- Architectural modeling
- MEP modeling
- Structural modeling

Area: 22 Hectare



L A S E R S C A N N I N G P R O J E C T S



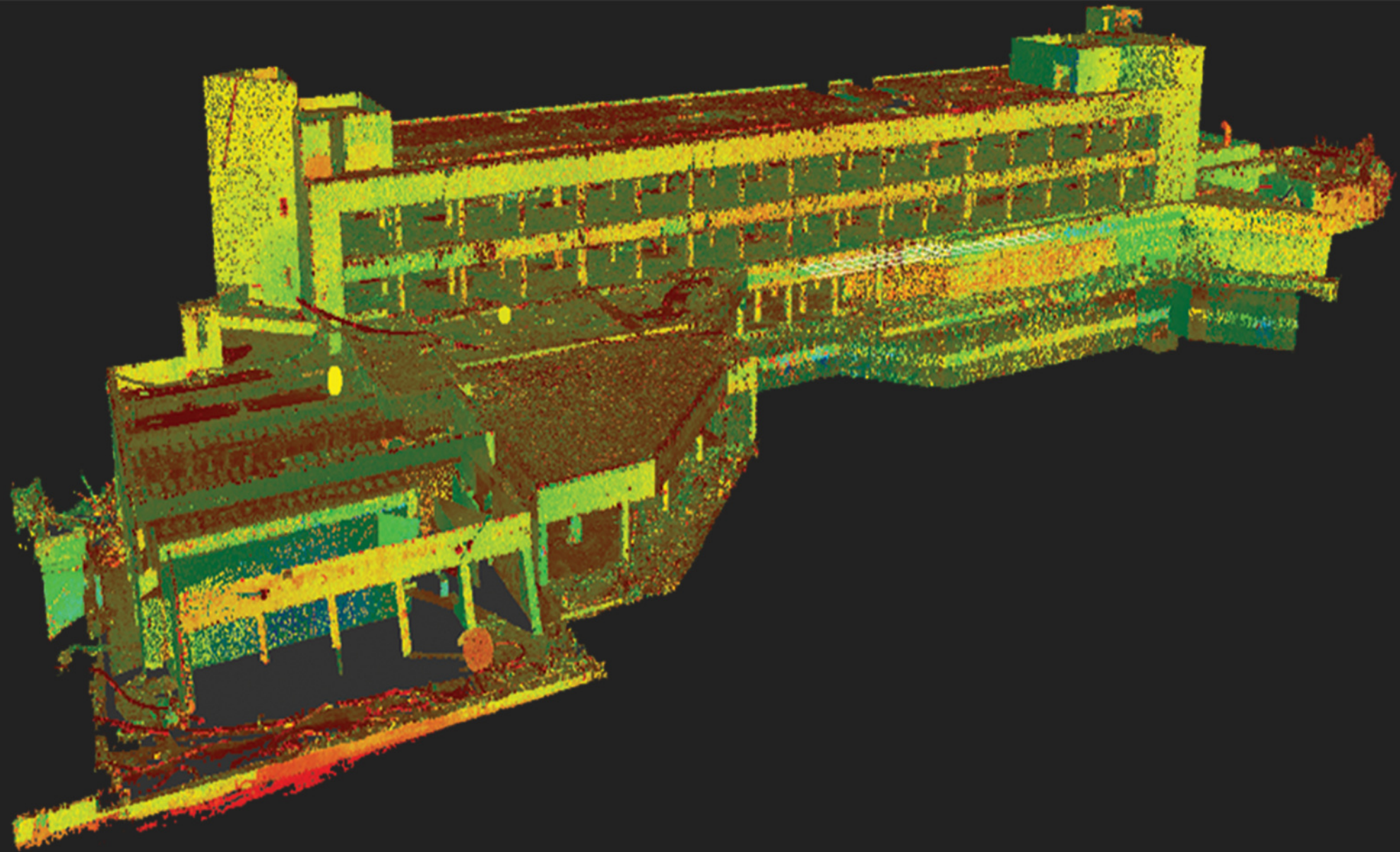
PLANT

QATRA

www.eng-bim.com

Scope: Convert the point cloud for MEP service to Revit model

a laser scanner is used to capture an accurate 3D scan of the real world conditions on a project. The scan data is then imported into a 3D modeling environment to create either accurate as-built models or to inform the design with the real world conditions.



CROWNE PLAZA PETRA RESORT PROJECT

JORDAN - PETRA

Scope: Convert the point cloud received from our client to Revit model, update the Architectural, Structural & MEP based on the existing works

Existing buildings often lack accurate documentation of the as-built condition. Laser scanners create point clouds used to create 3D building models

“OUR STRENGTH LIES NOT ONLY IN TECHNOLOGY,
BUT IN THE COLLABORATION OF OUR TEAMS”

SO LET ME INTRODUCE YOU TO OUR TEAM



HAITHAM ABU SALEM

PMP,RMP, RICS BIM MANAGER

CAREER SUMMARY

Haitham Abu Salem is a BIM and project management expert with over 20 years in the consulting and construction industry, overseeing projects totaling more than 3.5 million sqm. His experience spans hospitals, metro stations, towers, theme parks, and other major developments.

He specializes in BIM-driven project management, including model development (LOD 350–500), producing shop/fabrication/as-built drawings, multidisciplinary coordination, and implementing BIM Execution Plans aligned with ISO 19650.

Haitham is also an Autodesk Authorized Training Instructor, delivering +3,000 hours of training in Revit, Ecotect, and Navisworks to organizations across Jordan and the Gulf. He is an active speaker at international conferences, promoting BIM as both a technical and strategic tool to improve quality, efficiency, and sustainability in construction.

MEET OUR TEAMS



**ASHRAF IMAD
SALLOUM**

ARCHITECT ENGINEERING
BIM PROJECT COORDINATOR



**RABAH
SULIMAN**

ARCHITECT ENGINEERING
BIM ARCHITECT



**MOSTAFA
GHANNAM**

ARCHITECT ENGINEERING
BIM ARCHITECT



**AHMAD
ALFARAHNEH**

ARCHITECT ENGINEERING
BIM ARCHITECT



**AZWAR
ALBTOOSH**

ARCHITECT ENGINEERING
BIM ARCHITECT



**MOHANNAD
ALMAREI**

ARCHITECT ENGINEERING
BIM ARCHITECT



**IZZ ALDEEN
SAMAHA**

ARCHITECT ENGINEERING
BIM ARCHITECT



**HAITHAM
AL-HASSANAT**

CIVIL ENGINEERING
STRUCTURAL DESIGN ENGINEER



**MOHAMMAD
ABED ALHAFITH**

CIVIL ENGINEERING
STRUCTURAL DESIGN ENGINEER



**TAMER
ALMASSADEH**

CIVIL ENGINEERING
BIM INFRASTRUCTURE

MEET OUR TEAMS



**MAIAR
SALAMEH**

ELECTRICAL ENGINEER
ELECTRICAL DESIGN ENGINEER



**MALEK
SAFI**

ELECTRICAL ENGINEER
ELECTRICAL DESIGN ENGINEER



**MOHAMMAD
ALQUDAH**

ELECTRICAL ENGINEER
ELECTRICAL DESIGN ENGINEER



**ABDULHALEEM
ABUOSS**

MECHANICAL ENGINEER
MECHANICAL DESIGN ENGINEER



**YAZAN
SHAMOUN**

MECHANICAL ENGINEER
MECHANICAL DESIGN ENGINEER



**OMAR
FARASH**

MECHANICAL ENGINEER
MECHANICAL DESIGN ENGINEER

CONTACT US



GET IN TOUCH WITH US TO DISCUSS YOUR PROJECT NEEDS. OUR TEAM OF EXPERTS IN BIM ENGINEERING AND DESIGN IS READY TO PROVIDE TAILORED SOLUTIONS AND SUPPORT AT EVERY STAGE OF YOUR PROJECT.



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