

N I K A

VIRTUAL DESIGN & CONSTRUCTION / DATA MANAGEMENT / INTELLIGENT ASSET RECORDS



BIM

DIGITAL
CONSTRUCTION



welcome
to
ΔNIKA

OUR OFFICE



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OUR PROMISE

We move forward with the philosophy of producing assets for our clients with our superb team having international vision, experience and expertise in different fields.

We are mindful of being always one step ahead of the client expectations in order to increase customer satisfaction without making concessions to the issues of expertise and perfectionism in our entire projects at home and abroad.

Our main objective is to make contributions to the future of our country as powerful organization, process the information in the form of useful products and services and submit those for the benefit of mankind.



PERFECT SERVICE

Nika Project Management has been structured for the purpose of rendering best services without compromising on the quality which was guaranteed to their clients.



INNOVATIVE PHILOSOPHY

We operate with an approach which is critical, research oriented and keeping track of improvements in technology and the changes in the world.



LEAN MANAGEMENT

We offer a modest and a lean approach by determining special management strategies specific to the relevant organization in our entire service items.

ASSOCIATES



BGS BİLGİ SİSTEMLERİ working in the area of GIS and Bentley Context Capture Solution to provide unique experience for our clients.



4D STUDIO offering advanced 4D visualisation service on Synchro Pro, Fuzor for our customers.



INTERACTIVE PROJECT SERVICES Working in the area of Unreal Engine Solution to provide unique real time visualisation experience for our clients.

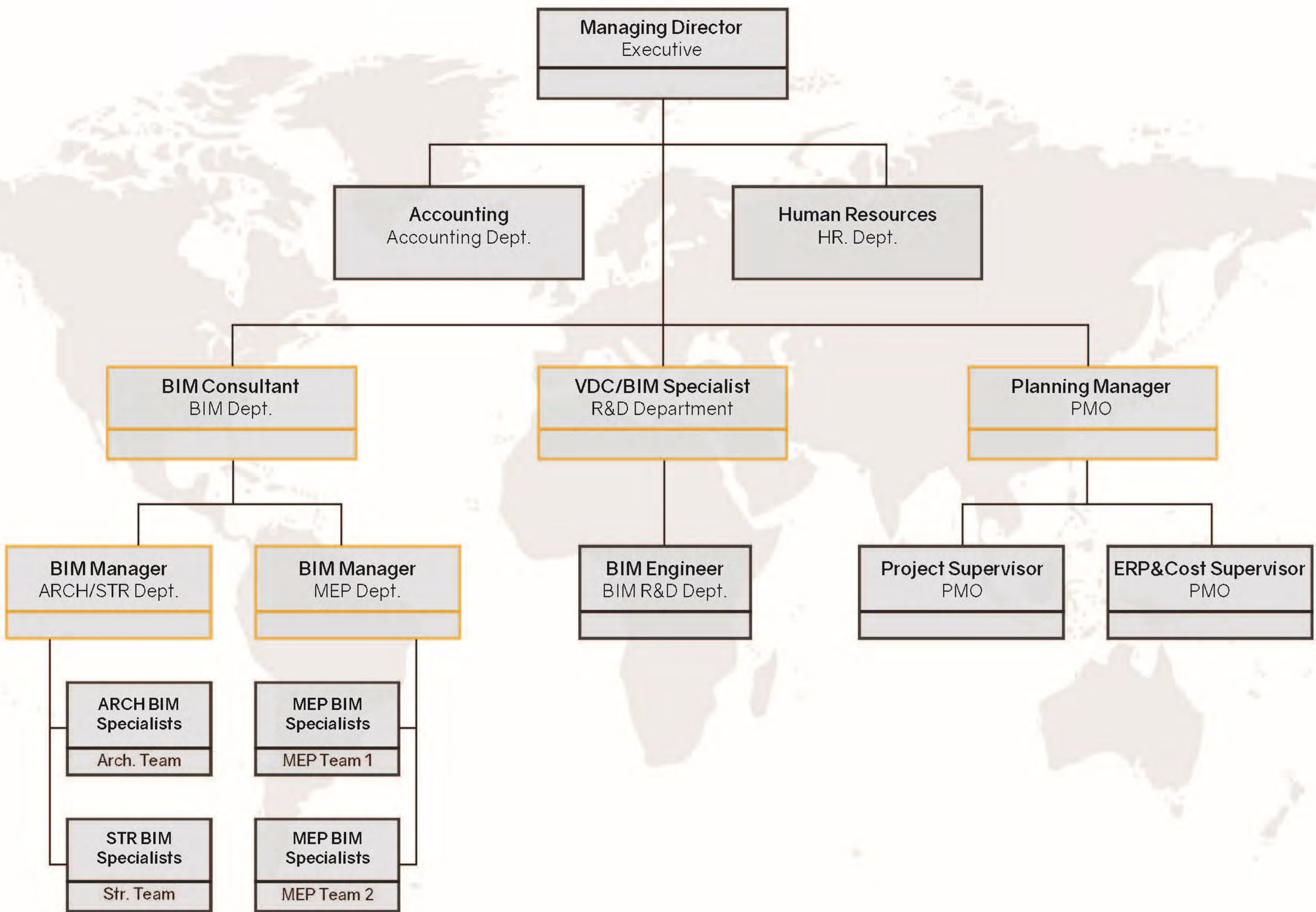


Meet Our Associates



Nika; is a leader in its sector, and aims to be a strong and respected world company.

Consultancy and project management services provided to many companies in the field of digital construction management consultancy. We provide solutions and services to the construction sector in all areas with BIM and ERP as well as planning, business intelligence, budget applications, mobile applications, document and information management, design service, VR/AR services that will help companies survive in the competitive environment.



WHAT IS BIM ?

BUILDING INFORMATION MODELLING

“ Building Information Modeling (BIM) is a combination of methods, processes and advanced softwares that enable interdisciplinary teamwork by using digital technologies.

Turkish architectural and construction companies using BIM for construction of sustainable housing under programs such as sustainable urban renewal and revealing modern and people-oriented design solutions along with capacity to develop.

By increasing its competitiveness in the 21st century, construction shifts from a worker-based sector to a knowledge - based sector approach. Therefore, to reach the level of developed economies and state targets, Turkish construction sector has to develop working principles and knowledge-based capacity.

by Nika Managing Director



WHAT WE OFFER ?

The rich variety of BIM services we provide back-upped with our hi-tech solutions, best experiences and client's positive feedbacks. We are among the top (number) Turkish BIM-consulting service providers.

Our team of experts in fields of engineering, architecture and planning in conjunction with partners are ready to deliver the best engineering experience in terms of BIM implementation and high quality deliverables. We are ready for any challenge to satisfy the customer.

BIM MANAGEMENT SERVICES

- 3D BIM with LOD 100, 200, 300, 350, 400, 500
- 3D Visualization Render/VR & Walkthrough
- Clash Detection & Resolution
- As-built Drawing Modelling
- CAD to BIM Conversion
- BIM Family Creation
- 4D - Visualise the progress of activities
- 5D - Manage and Calculate the costs
- Point Cloud to BIM
- 6D - BIM Technology with a BIM Model
- 7D Facility Management & Operations
- BIM Automation

BIM CONSULTING

- BIM Implementation / BIM Coordination
- BIM Execution Plan
- Master Information Delivery Plan
- Common Data Environment
- Project Document Management System
- Asset Management System

PROJECT MANAGEMENT SERVICES

- Project Management Tool Services
- Scheduling Services
- Project, Risk Analysis and Cost Control Services
- Earned Value Management Services

PARTNERS

Nika has partnered with a select group of companies to enhance the services we offer to our clients.

NIKA is also proficient in the following solutions:

- Tekla Structures
- Autodesk Revit / Revit Dynamo
- Autodesk Navisworks
- Allplan
- Oracle Primavera
- Powerbi
- Aconex
- Tilos



THE MORE,

We provide all necessary architectural, engineering and project consultancy (project management) services to the employer and other stakeholders in the period starting from the dream stage of the building to the operation with a working system for all disciplines of the building sector.

With its culture, company organization, professional equipment and technologies used, it provides the digital data bank to be used in the facility management phase by creating the necessary information in all stages of the structure until the operation of the BIM process.

ARCHITECTURE

- Architecture and Landscape
- Exterior and Interior Design
- Material Design
- Facade Design
- 3D Render

STRUCTURAL - INFRASTRUCTURAL

- Structural Steel
- Structural Concrete
- Excavation & Fillings
- Rebar Model
- Construction Simulation

MEP

- HVAC Design
- Fire Protection Design
- Mechanical Design
- Electrical Design
- Plumbing Design

CALCS - REPORT

- ASHRAE Heating Load Design Criteria
- Calculate Cooling and Heating Load
- Duct and Pipe Design
- Mechanical Component Isometric Drawing
- Shop and Fabrication





BIM & DIGITAL CONSTRUCTION CONSULTANCY

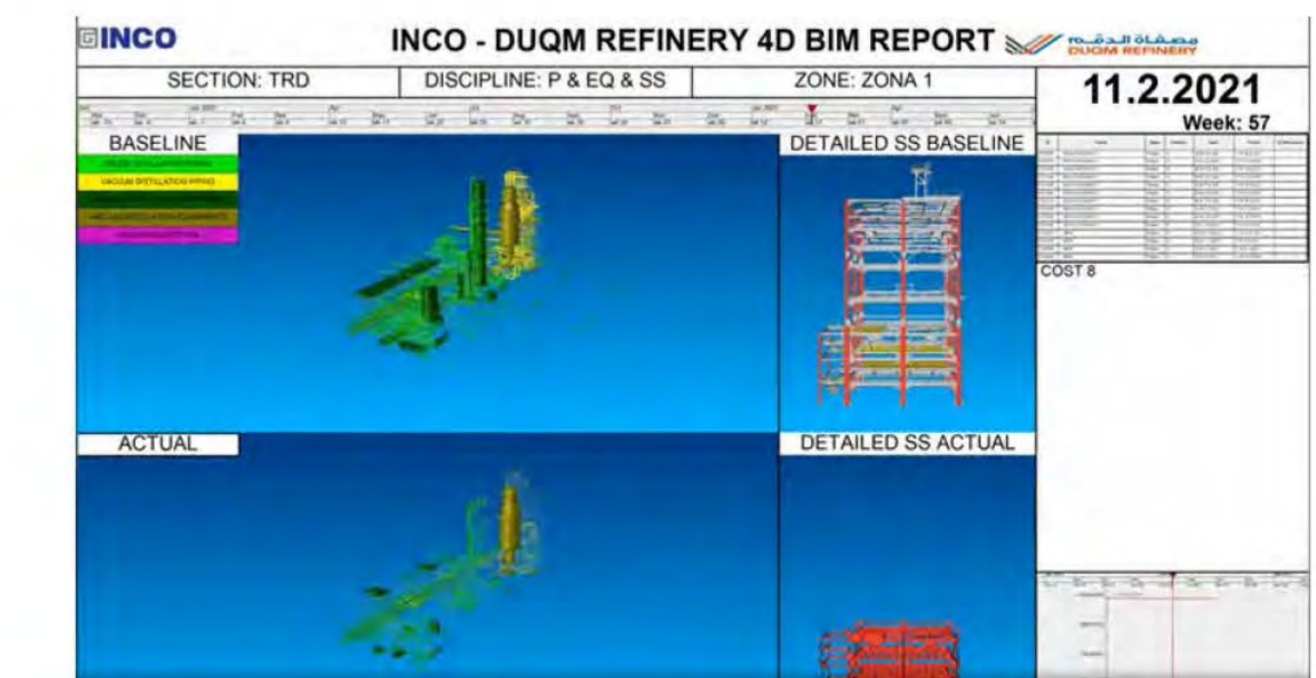
Linking Building Information output to construction time-lines and progress on site.

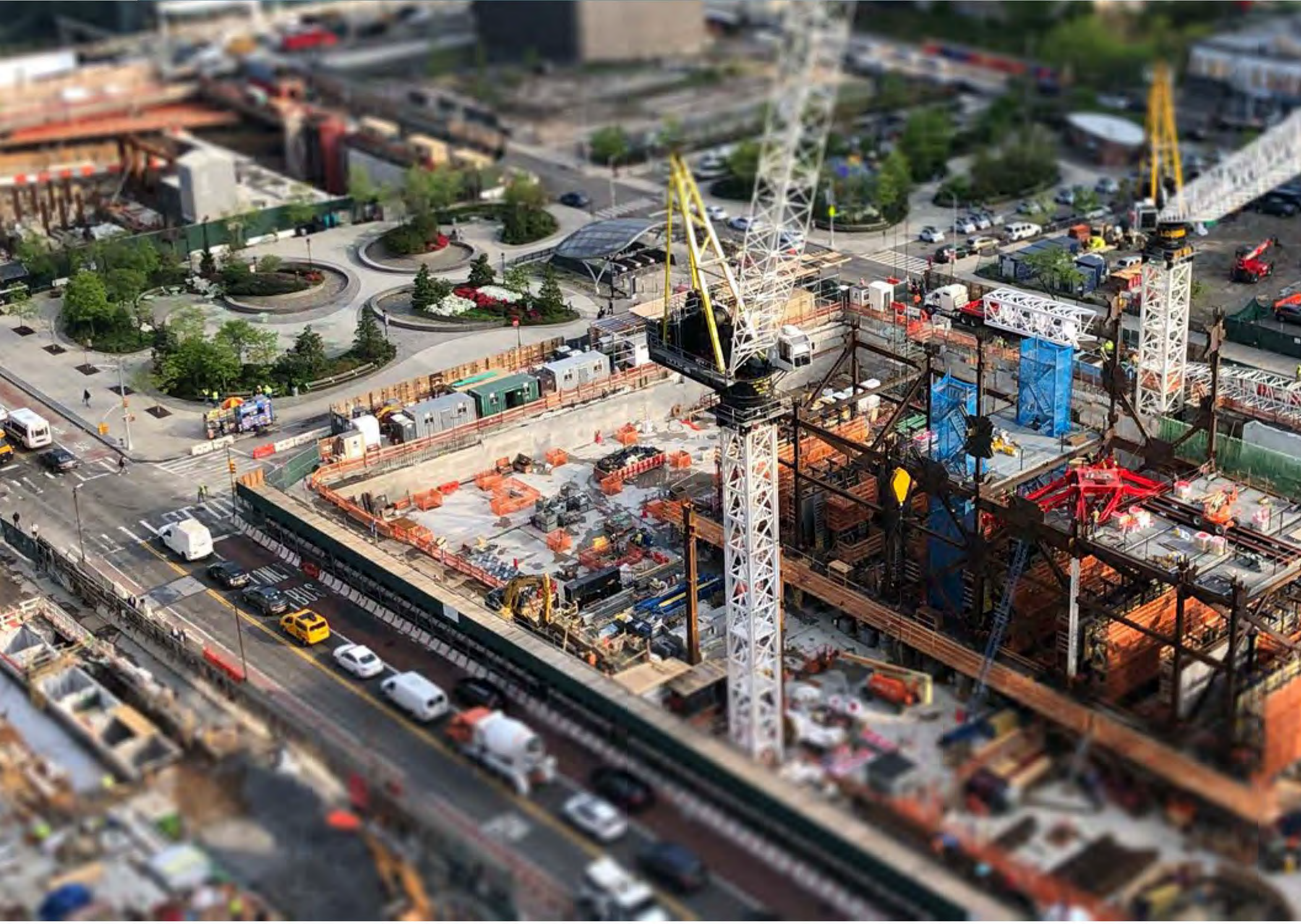
Assisting with 4D BIM Software selection and data interoperability.

Overseeing the production animated BIM construction sequences for visualisation.

Using Synchro, Nika has created stunning 4D environments for some of the world biggest and most prestigious projects, supporting leading developers and contractors from Istanbul to New York and from Dubai to Russia.

DUQM RAFINERY PROJECT, OMAN





4D BIM Scheduling

Our early adoption of BIM has proven essential in a number of significant Refinery and Infrastructure projects including Duqm Refinery project and Istanbul Railway Stations.

Our specialist 4d teams use a 4d scheduling technique including animation work schedule and actual data with 3D view for BIM 4D.



BIM for Tendering and Cost Extraction (5D BIM)

Our wealth of experience in delivering information in strict accordance with current BIM standards enables us to determine the material and quantity information that needs to be attached to BIM objects. We provide methods to achieve more accurate cost and quantity estimates based on BIM.



Powerful POWERBI 4D Reporting

At Nika, we know that every BIM project is unique and that delivery requirements are considerably varied. A well-defined set of guidance notes is a necessity in order to ensure levels of detail and requirements are clearly defined from the very beginning.

If you are involved in the procurement and production of BIM-related measurement services you can streamline the process with our comprehensive BIM Survey Specification and Reference Guide.



Highly regarded within the industry, this survey specification has become the accepted standard for BIM projects amongst our clients.

UNREAL ENGINE & SYNCHRO 4D VISUALISATION

The visualization world is moving to real-time Unreal Engine makes it simple to bring in high-fidelity data from a host of 3D and 4D BIM applications.

In Unreal Engine, data can take on new lives, helping you make decisions or relay information in a way that instantly speaks to people.

As a Nika Consultant company, we provide 3D BIM real-time architectural visualization service in Unreal Engine.



ISTANBUL METRO LINE STATION

3D BIM Model Visualisation in Unreal Engine





UNREAL ENGINE & SYNCHRO 4D VISUALISATION

Design and Real-Time Visualization

Export 3D models (geometry, materials and metadata) from an iTwin and create your visuals and immersive experience with ease.

Visualize 4D Scheduling

Quickly and easily export and load SYNCHRO schedules into Unreal and add a time factor to your digital twin visualization.

— Unreal Engine
Visualisation



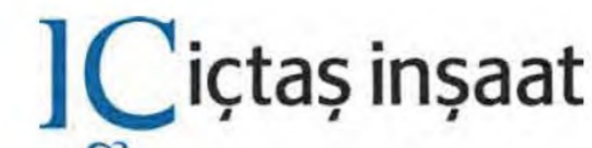
— Old Way 4D
Visualisation



OUR CLIENTS

REFERENCES

Our BIM experiences in major projects



MAJOR PROJECTS

- ATAŞEHİR ACIBADEM HOSPITAL AND OFFICE PROJECT
- QATAR ALTUMAMA STADIUM
- İSTANBUL MUNICIPALITY METRO
- KARAPINAR SOLAR PANEL PROJECT
- ZIRAAT BANK TOWER PROJECT İKİTELLİ
- ORMAN BOTANIC GARDEN PROJECT
- DUQM OMAN REFINERY PROJECT

LOCATION

LOD

SCOPE

İSTANBUL - TURKEY

350

BIM/VDC

QATAR

400

ARC

İSTANBUL - TURKEY

350

BIM/VDC

KONYA - TURKEY

400

BIM/VDC

İSTANBUL - TURKEY

400

MEP

İSTANBUL - TURKEY

400

BIM/VDC

OMAN

400

BIM/VDC



SELECTED REFERENCE PROJECT



Sweden Sodertalje Lock Project

- **Project Name:**
Sweden Sodertalje Lock Project
- **Client:** Ballast Nedam
- **Employer:**
Project Name: Sweden The Saint Lucia Air and Sea Ports
- **Project Status:** Ongoing
- **Location:** Sweden
- **Our Services:**
 - Prepare 4D Visual Scheduling
 - Synchronisation Updated Oracle Primavera
 - Prepare 4D BIM Method Statement Animation





Ataşehir Acibadem Hospital And Office Project

- **Project Name:** Ataşehir Acibadem Hospital And Office Project
- **Client:** Acibadem Project Management
- **Project Area:** 95.000 m²
- **Project Status:** Ongoing
- **Location:** İstanbul, Turkey

Our Services:

- 4D / 5D BIM Planning System Implementation
- 4D / Visualise the Planneec - Actual Progress of Activities
- 5D / Manage and Calculate the Costs
- Synchronisation Oracle Primavera and Autodesk Revit to Synchro Pro

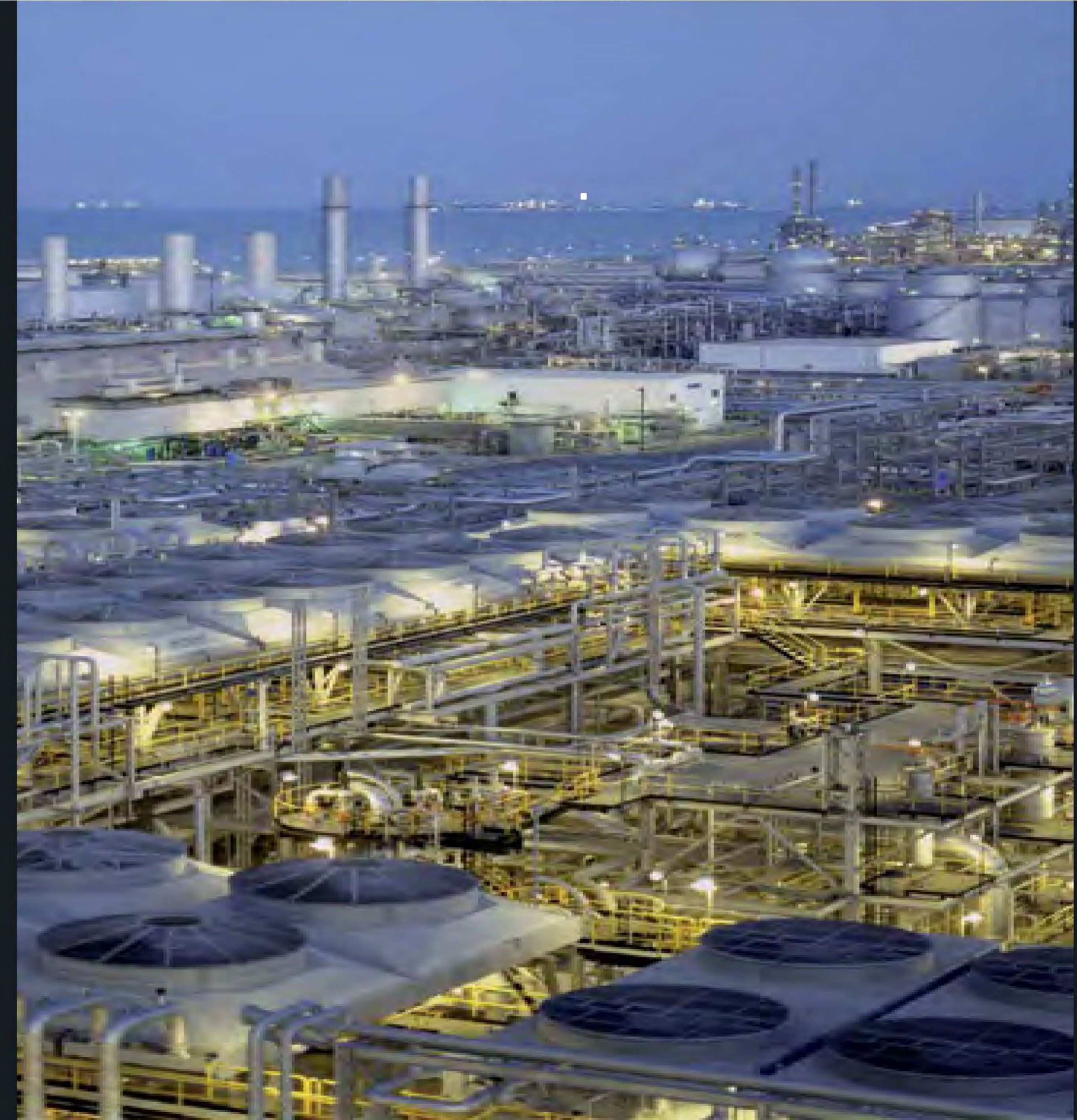




Duqm Refinery Project

Project Name: Duqm Refinery Project

- **Client:** TRD & PETROFAC
- **Project Status:** Completed
- **Location:** Duqm, Oman
- **Our Services:**
 - Integrated Project Delivery Management
 - 4D / Visualise the Progress of Activities
 - 5D / Manage and Calculate the Costs
 - Oracle Primavera and Synchro Pro Implementation
 - Scheduling Service
 - Powerbi Advancing Reporting
 - Quantity Take off

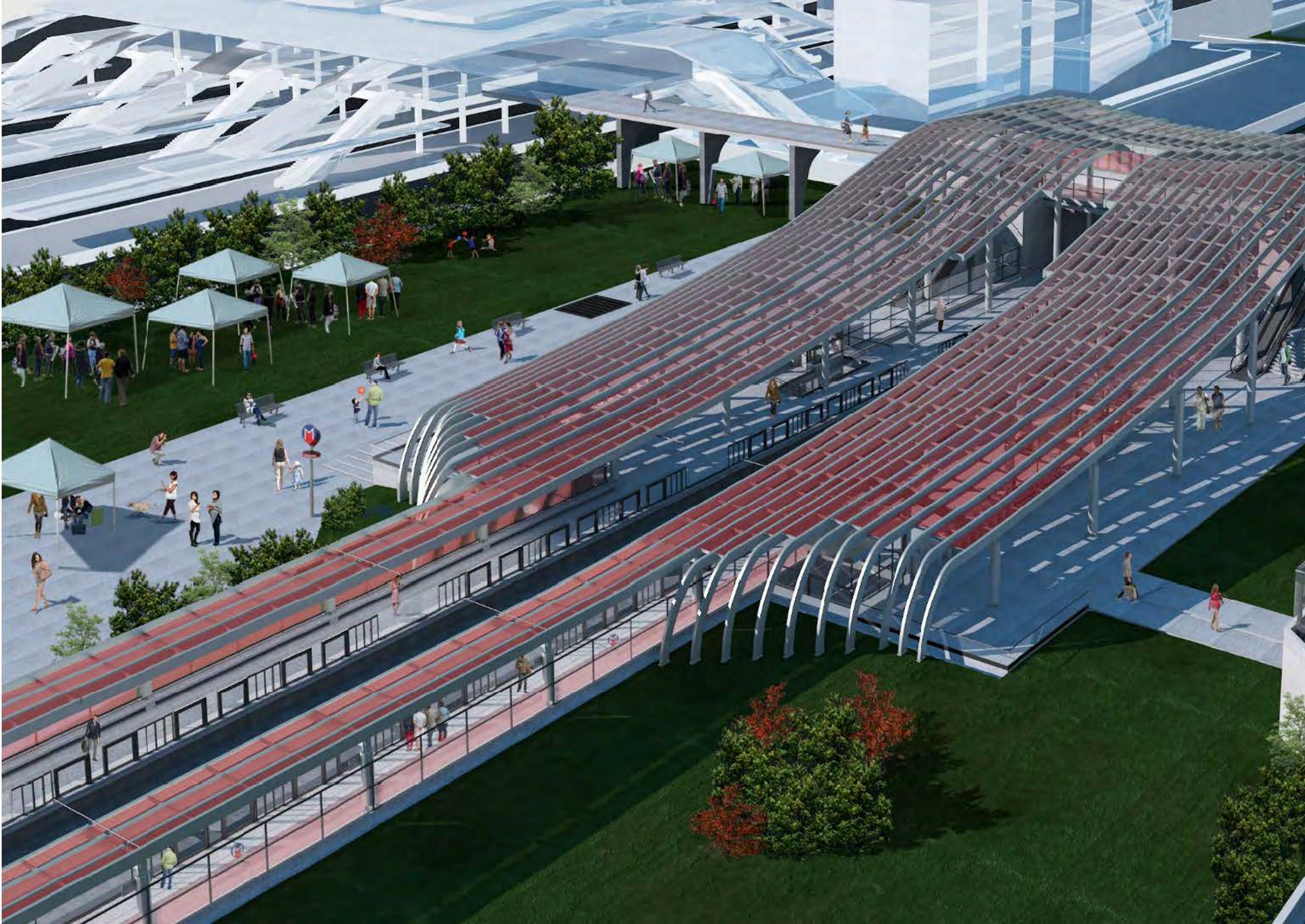




Al Thumama Stadium

- **Project Name:** Al Thumama Stadium
- **Client:** Tekfen Engineering
- **Capacity:** 40.000 m2
- **Project Status:** Ongoing
- **Location:** Qatar
- **Our Services:**
 - LOD400 Architecture BIM modelling and coordination
 - Shopdrawing





Istanbul Kirazlı Halkalı Metro Line Project

- **Project Name:**
Kirazlı Halkalı Metro Line Project
- **Client:** Istanbul Municipality
- **Capacity:** 6 Metro Station
- **Project Status:** Ongoing
- **Location:** Turkey
- **Our Services:**
 - 4D/5D BIM Planning System Implementation
 - 4D/ Visualise the Planned - Actual Progress of Activities
 - 5D / Manage and Calculate the Costs
 - Synchronisation Updated Oracle Primavera and Autodesk Revit to Synchro Pro
 - Create 4D Simulations to Owner for Each Metro Station





Konya Karapinar Solar Panel Project

- **Project Name:** Konya Karapinar YEKA -1 Solar Panel Project
- **Project Area:** 4.000.000 m²
- **Project Status:** Completed
- **Location:** Konya, Turkey
- **Our Services:**
 - 4D BIM and Reality Modeling
 - Integrated Project Control System
 - 4D / Visualise the Progress of Activities
 - 5D / Manage and Calculate the Costs
 - Synchronisation Oracle Primavera to Synchro Pro
 - Reality Modeling
 - Advancing 4D Reporting
 - Quantity Take off





Ziraat Bank International Finance Center

Project Name: Ziraat Bank
International Finance Center (Ongoing)

- **Client:** Kalyon Construction
- **Consultant:** Turner Construction
- **Project Status:** On-going
- **Location:** Istanbul, Turkey
- **Our Services:**
 - LOD400 MEP BIM Modelling,
Coordination
 - Shopdrawing
 - Technical Specification, Tender
Documentations and BOQ





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