



The BIM skills
CAD, BIM & GIS Consulting



COMPANY PROFILE

www.thebimskills.com

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ABOUT The BIM skills

A Brief About The Company

"At The BIM skills, we're more than just a company; we're a team of passionate professionals, driven by innovation and fueled by enthusiasm for cutting-edge technologies. With our dynamic blend of creativity and expertise, we're not just active participants in the tech realm—we're pioneering the way forward.

Our team is a vibrant tapestry of diverse talents, united by a shared commitment to excellence and a relentless pursuit of innovation. From the latest advancements in Building Information Modeling (BIM) to emerging technologies shaping the future of our industries, we're at the forefront, exploring, experimenting, and pushing boundaries.

What sets us apart is not just our technical prowess, but our passion for what we do. We thrive on challenges, revel in exploration, and embrace every opportunity to learn and grow. With us, you're not just getting a team of experts; you're gaining a dedicated partner on a journey of discovery and transformation.

Join us as we harness the power of technology to create solutions that inspire, empower, and shape the world of tomorrow. Together, let's innovate, let's explore, and let's build a future where possibilities are limitless."

FOUNDER STATEMENT



Syed Amaan Quadri
Founder - The BIM skills

At The BIM skills, our founder, Syed Amaan Quadri, is a trailblazer in Building Information Modeling (BIM), renowned for his groundbreaking projects and transformative training initiatives that have empowered professionals worldwide. With a passion for innovation and a commitment to education, he has led our team in implementing cutting-edge BIM and GIS solutions across diverse projects.

Our expertise extends to high-profile ventures such as the NEOM Logistics Park landscape, where we implemented both BIM and GIS during the handover phase, and the Al Shura Islands Red Sea project, where we implemented GIS during the handover phase to optimize data integration and project finalization. Additionally, we've pioneered digital twin housing projects in the Netherlands, warehouse improvement initiatives in South Africa, and residential and commercial developments in Dubai, Sharjah, and India.

Through his visionary leadership, Syed Amaan Quadri has not only revolutionized organizations with groundbreaking BIM solutions but has also equipped professionals with the expertise to drive innovation and excellence in their fields. At The BIM skills, we take pride in being guided by a leader whose impact extends far beyond projects, leaving a lasting legacy of

MISSION & VISION

MISSION

At The BIM skills, we're dedicated to revolutionizing the construction landscape through innovative BIM services and expert consulting. Our mission is simple yet profound: to empower our clients with the tools, strategies, and support they need to bring their boldest visions to life. We're not just service providers; we're partners committed to driving efficiency, collaboration, and excellence in every project we undertake. Together, we're shaping a future with BIM.

VISION

Our vision at The BIM skills is clear: to lead the way in BIM services and consulting, setting new standards of excellence and innovation. We see a future where every project, large or small, benefits from the power of BIM to drive efficiency, sustainability, and impact. By harnessing technology, creativity, and nurturing talent, we empower our clients to achieve their goals beyond imagination.

OUR VALUES

HONESTY

EXCELLENCE

TEAM
WORK

RELIABILITY

AGILITY

OUR ADVANTAGES

COORDINATION

QUALITY
ASSURANCE

EXTENSIVE
EXPERIENCE

COST
EFFECTIVE

GLOBAL
REACH

ABOUT BIM

BIM is a process for creating and managing all of the information on a project before, during and after construction. The output of this process is Building information Model, the digital description of every aspect of built asset.



"BIM is not just about the model,
it's about the information – the 'I'
in BIM

WHY BIM?

"Building Information Modeling (BIM) revolutionizes the construction industry by seamless collaboration among stakeholders, enhancing accuracy through detailed 3D modeling, streamlining workflows for increased efficiency, and supporting sustainable practices, ultimately leading to cost-effective and high-quality project delivery across the entire building lifecycle."

ADVANTAGES OF BIM?

-  **Enhanced Collaboration**- BIM facilitates better communication and coordination among project stakeholders.
-  **Improved Accuracy and Reduced Errors**- By creating a detailed 3D model, BIM helps identify potential conflicts and issues early in the design phase.
-  **Increased Efficiency** - BIM streamlines workflows by integrating various aspects of the design and construction process.
-  **Better Visualization**- The 3D models generated by BIM provide a clear and detailed visual representation of the project.
-  **Cost Savings**- BIM helps in accurate cost estimation and budget management by providing detailed quantity take-offs.
-  **Lifecycle Management**- BIM supports the entire lifecycle of a building, from initial design and construction to maintenance.
-  **Enhanced Quality Control**- BIM ensures higher quality construction by enabling precise planning and execution, minimizing errors.

OUR BIM SERVICES

BIM CONSULTING

BIM Implementation
BIM Adoption
Digital Integration
BIM Execution Planning
COBIE Services
FM Data

BIM SERVICES

3D BIM Modelling
4D Scheduling
5D Estimation
SCAN TO BIM
SCAN TO CAD
CAD TO BIM
Revit Family Creation
Clash Detection
BIM Automation
BIM For Facility Management
BIM Quantity Take-off
BIM For Infrastructure
Construction Documentation

GIS SERVICES

Infrastructure GIS
GIS Data Base Development
Spatial Data Management

ARCHITECTURE BIM SERVICES

Architecture 3D Modelling
Construction Documentation Set
CAD As Built Drawings
Facade Shop Drawings

STRUCTURE BIM SERVICES

Structure 3D Modelling
Structure Steel Detailing
Rebar Detailing
Precast Detailing
Steel Fabrication Shop Drawings

MEPF BIM SERVICES

MEPF 3D Modelling
MEPF Coordination
Family Creation
Clash Detection
Quantity Takeoff and Drawings

VISUALIZATION SERVICES

3D Visualization
Site Logistics Study
Rendered Walkthrough
Realistics Rendering Images

CAD SERVICES

2D Drafting and detailing for ASMEPF disciplines
Construction Shop Drawings
As Built/Record Drawings

OUR SOFTWARE EXPERTISE

- 01 AUTOCAD
- 02 REVIT
- 03 NAVISWORKS
- 04 RECAP PRO
- 05 CIVIL 3D
- 06 AUTODESK CONSTRUCTION CLOUD
- 07 ARCHICAD
- 08 SYNCHRO PRO
- 09 DYNAMO

- 10 LUMION
- 11 3DS MAX
- 12 ARCGIS PRO



OUR CLIENTS

- 01** **My Castle Homes LLC**
USA
- 02** **Initial Saudi Group**
Saudi Arabia
- 03** **Al Yamama**
Saudi Arabia
- 04** **Al Suwaidi Computer**
Dubai
- 05** **Tekoa Engineers**
South Africa
- 06** **FP Project Management**
Mumbai
- 07** **QADNET**
Qatar



OUR PROJECTS

01

Mechanical Chiller Plant - QATAR LOD 400 BIM Model with Shop Drawings

Developed a highly detailed LOD 400 BIM model for a containerized, water-cooled chiller plant designed to supply chilled water for livestock applications. The scope included precise modeling of chillers, pumps, piping networks, valves, and cooling tower integration based on client-provided general arrangement drawings and technical inputs.

DISCIPLINES INVOLVED

CWS PIPING

ELECTRICAL

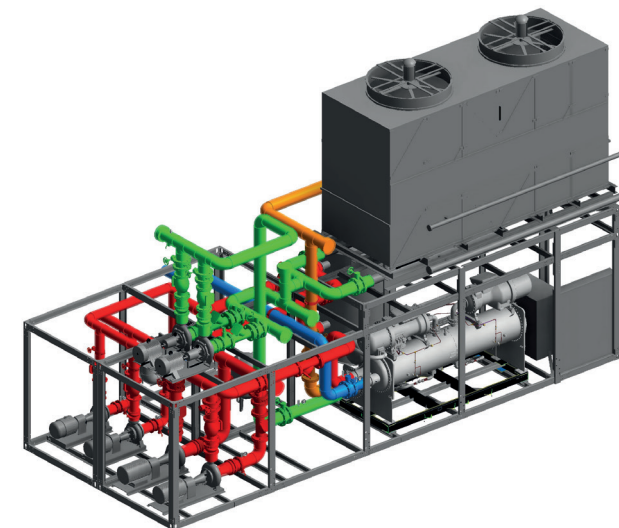
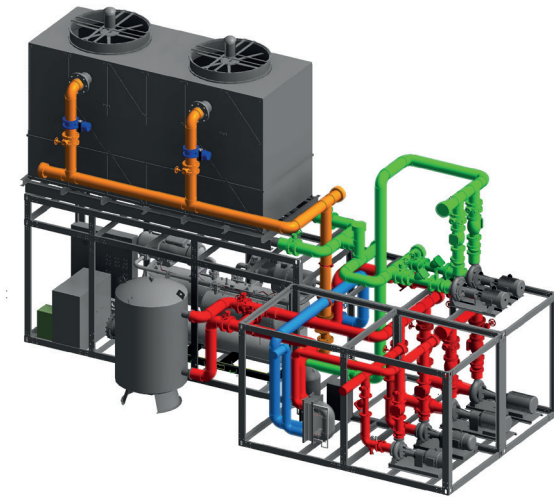
OUR SCOPE OF WORK INCLUDED

The scope of work included development of an LOD 400 BIM model for the containerized water-cooled chiller plant based on client inputs. Custom BIM families were created for all equipment and components to ensure accuracy and consistency. Detailed shop drawings were prepared for fabrication and installation, along with a precise BOQ for material estimation and procurement support.

Location - Qatar

Type - Container Work

Client - Qadnet Qatar



OUR PROJECTS

02

Family Creation Services and Sheet Creation For GIS Components

This project involved detailed BIM family creation along with comprehensive sheet preparation, including model views, annotations, and layout arrangements for fabrication and documentation purposes.

DISCIPLINES INVOLVED

ELECTRICAL EQUIPMENT

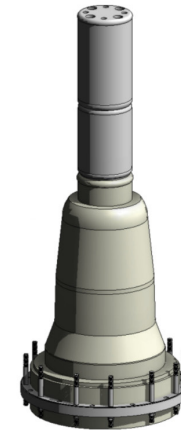
OUR SCOPE OF WORK INCLUDED

Scope included high-quality BIM family creation and structured sheet development, covering precise modeling, view generation, detailing, and drawing compilation for project delivery.

Location - Dubai

Type - Family creation with sheet detailing

Client - Al Suwaidi Computers



OUR PROJECTS

03

Sheetladevi Metro Station Asbuilt Model update along with sheets

As part of the Sheetladevi Metro Station BIM Project, we handled LOD 500 updates, including model modifications, sheet revisions, and preparation of final deliverables. The scope covered exporting updated PDFs, CAD drawings, and submission of the final updated BIM model in compliance with client standards.

DISCIPLINES INVOLVED

ARCHITECTURE

STRUCTURE

WATER SUPPLY

DRAINAGE

CABLE TRAY

FIREFIGHTING

SMALL POWER

EARTHING

EQUIPMENT

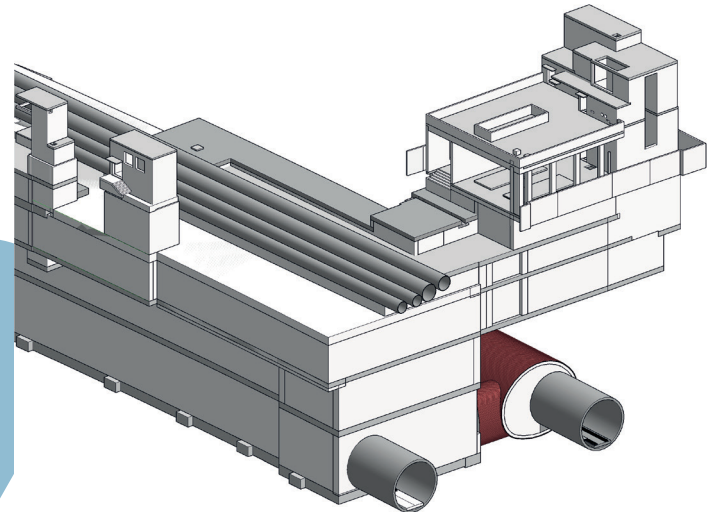
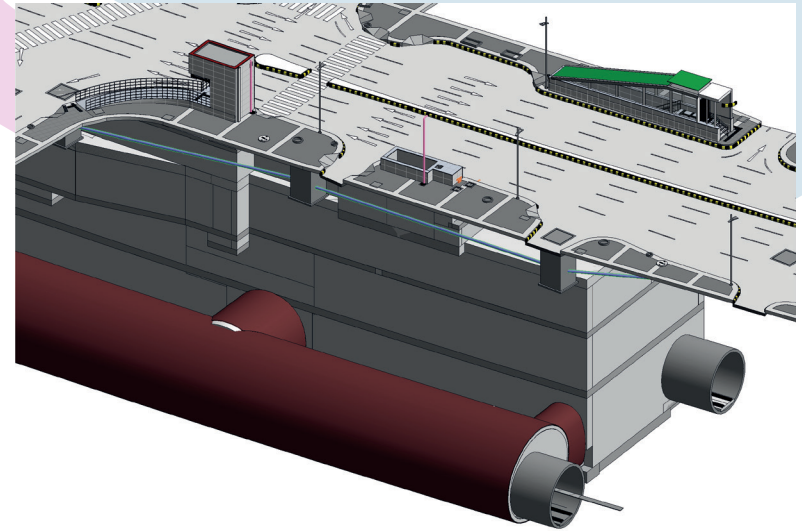
OUR SCOPE OF WORK INCLUDED

- Updating BIM models to LOD 500 as per latest design and site inputs
- Modifying and validating architectural, structural, and coordination elements
- Updating and revising construction drawings and sheets
- Ensuring model accuracy and compliance with project standards
- Exporting updated deliverables in PDF and CAD formats
- Submitting the final updated BIM model for client review and approval

Location - Mumbai, India

Area - 42000 sq.m

Client - FP Project Management



OUR PROJECTS

04

Half Ring Road South 1, 2, 3 BIM & GIS IMPLEMENTATION

We successfully completed an LOD 500 As-Built BIM model for a road infrastructure project using Civil 3D and Revit, covering culverts, road surfaces, markings, jersey barriers, signages, GIS integration, COBie data, clash detection, and a federated model- delivering a true digital twin for efficient operation and maintenance.

DISCIPLINES INVOLVED

ELECTRICAL

INFRASTRUCTURE

LANDSCAPE

SIGNAGE

TRANSPORTATION

STRUCTURE

GIS

COBIE

OUR SCOPE OF WORK INCLUDED

Our scope covered the complete as-built BIM update in Civil 3D and Revit, including:

Road surfaces, markings, and geometry

Culverts, jersey barriers, and signages

GIS and COBie integration

Clash detection and coordination

Federated model development and validation

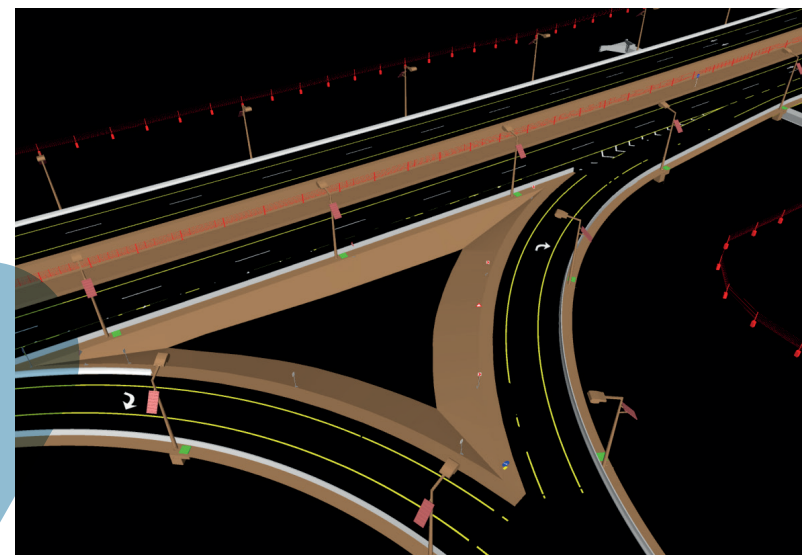
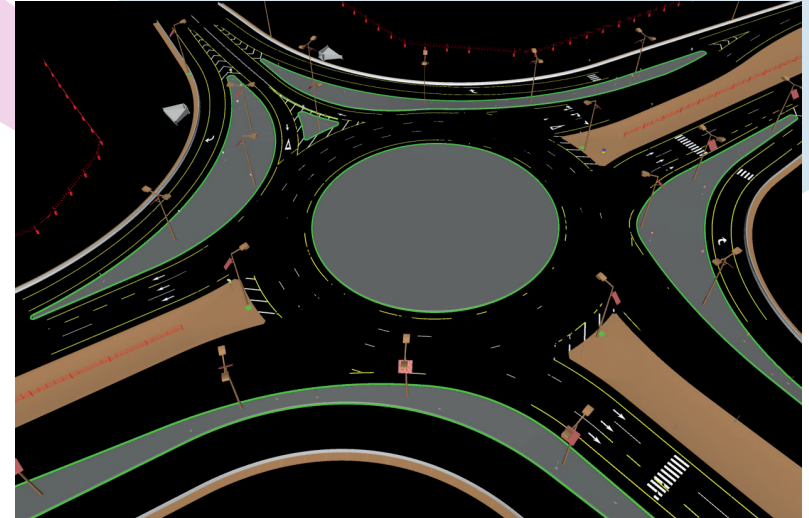
The final LOD 500 digital twin ensures accurate asset data for operation and maintenance.

Location - NEOM, Saudi Arabia

Area - 5600000 sq.m

Operator - NEOM

Duration - 2 Months



OUR PROJECTS

05

AL REEMAN DEVELOPMENT PHASE 3 PRECAST BIM MODELLING

This project involved detailed BIM modeling of precast concrete elements, including structural wall panels, columns, footings, slabs using Revit. The scope focused on modeling with precision to match fabrication requirements, ensuring alignment with architectural and structural design.

DISCIPLINES INVOLVED

STRUCTURE

OUR SCOPE OF WORK INCLUDED

Zone-Based Cluster Modeling: Developed and managed structural models for clusters located across three distinct zones, ensuring design consistency and coordination.

Structural Element Development: Modeled walls, slabs, columns, footings and other critical components according to project specifications and design drawings.

Clash-Ready BIM Models: Ensured models were clean and optimized for integration with architectural and MEP disciplines in a coordinated BIM environment.

Navisworks Review & Visualization: Imported models into Autodesk Navisworks for visualization, quick checks, and model validation to support further interdisciplinary review.

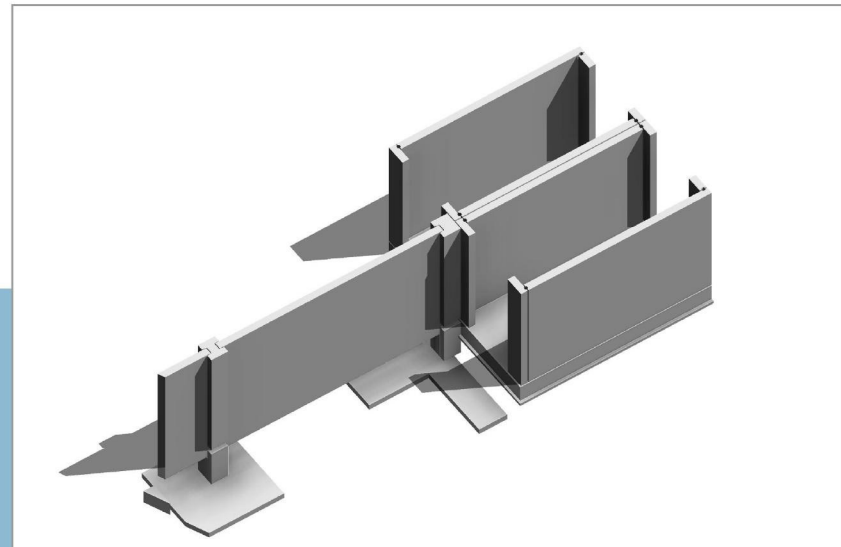
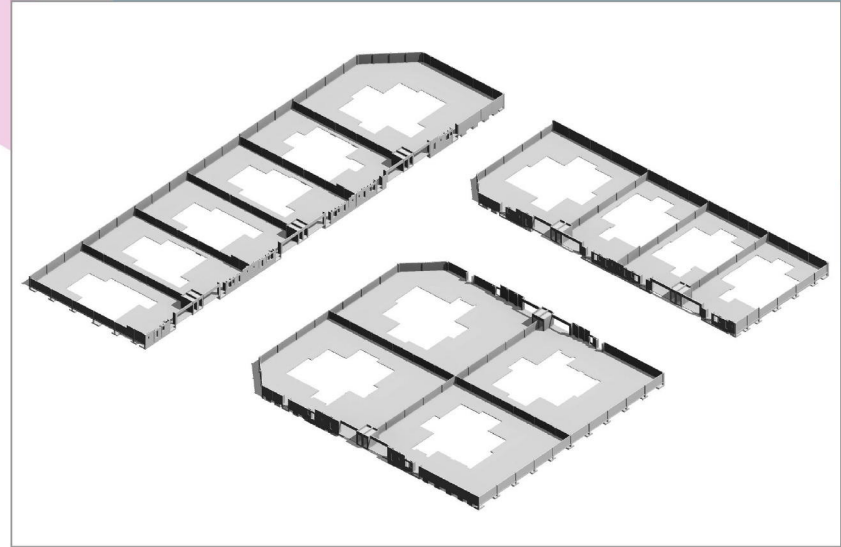
Level-wise Segmentation: Maintained clear level organization across all clusters for better clarity and construction sequencing.

Location - Abu Dhabi(UAE)

Area - 767794 sq.m

Operator - AIPC

Duration - 6 months



OUR PROJECTS

06

THE St. Regis RED SEA RESORTS BIM TO GIS IMPLEMENTATION

we led the BIM to 2D GIS implementation for The St. Regis Red Sea Resorts, ensuring seamless integration of Building Information Modeling (BIM) data into a geospatial framework. Using ArcGIS Pro and adhering to the Red Sea GIS procedure, we transformed complex BIM models into structured 2D GIS datasets to enhance spatial analysis, asset management, and decision-making.

DISCIPLINES INVOLVED

LANDSCAPE

ELECTRICAL

IRRIGATION

HARDSCAPE

OUR SCOPE OF WORK INCLUDED

Conversion of BIM Data to GIS – Extracting key spatial and attribute data from 3D BIM models and converting them into GIS-compatible 2D formats.

Geospatial Data Structuring – Organizing layers for buildings, utilities, infrastructure, and landscape elements in a GIS environment.

Mapping & Visualization – Creating accurate 2D GIS maps for site planning, facilities management, and operational workflows.

Compliance with Red Sea GIS Standards – Ensuring all geospatial outputs met The Red Sea Project's GIS procedure, enhancing data consistency and usability.

Location - Red Sea, Saudi Arabia

Area - 5600000 sq.m

Operator - Red Sea Global

Duration - 6 months



OUR PROJECTS

07

NEOM - LOGISTICS PARK LANDSCAPE PROJECT A Benchmark in Advanced BIM Implementation

The NEOM Logistics Park project stands as a testament to our expertise in handling complex and challenging projects with precision and excellence. The successful implementation of Building Information Modeling (BIM) at Level of Detail (LOD) 500 during the as-built stage with all COBie data integration is one of our significant achievements. This high level of detail encompassed various aspects of the project, ensuring unparalleled accuracy and integration with 100% clash free as built BIM models.

DISCIPLINES INVOLVED

ARCHITECTURE

STRUCTURAL

PLUMBING

DRAINAGE

FIRE SAFETY

FOUNTAINS

IRRIGATION

ELECTRICAL

SOLAR SYSTEM

LANDSCAPE

TOPOGRAPHY

ROAD WORK

WE ADHERED TO FOLLOWING NEOM STANDARDS

NEOM EIR

PRC 009

PRC 010

PRC 020

PRC 030

PRC 010

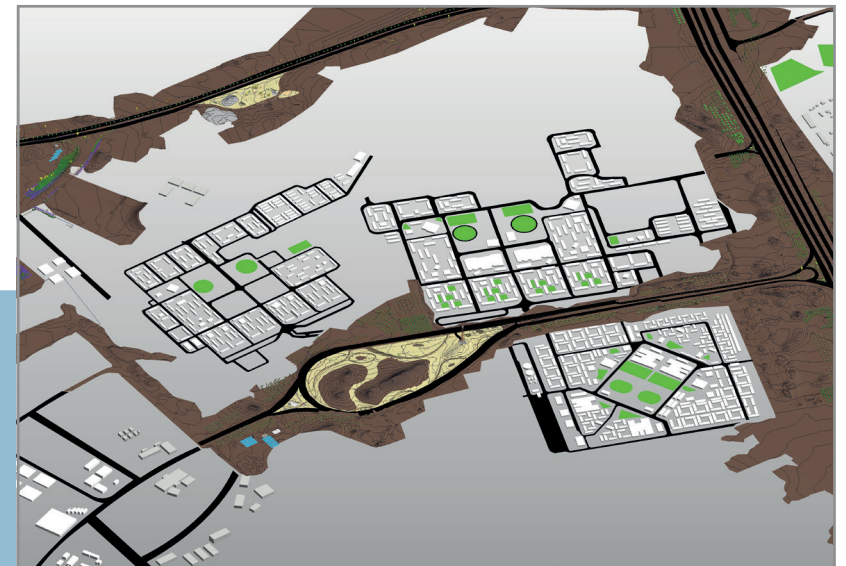
& OTHERS

Location - NEOM, Saudi Arabia

Area - 4980332.410 sq.m

Operator - NEOM

Duration - 12 Months



OUR PROJECTS

08

KWA-ZULU NATAL DEPARTMENT OF WORKS Pointcloud to BIM Implementation

Our team successfully completed a Point Cloud to BIM project for the KwaZulu-Natal Department of Works in South Africa. The collected point cloud data was then processed through registration, cleaning, and segmentation techniques to create a cohesive dataset. Using Autodesk Revit, we converted the refined point cloud data into accurate and detailed 3D BIM models. These models included comprehensive geometry and metadata for all structural and architectural elements. The resulting BIM models are intended to improve the Department's facility management, support efficient renovation planning, and streamline maintenance operations.

DISCIPLINES INVOLVED

ARCHITECTURE

STRUCTURAL

PLUMBING

DRAINAGE

FIRE SAFETY

ELECTRICAL

HVAC

WE ADHERED TO FOLLOWING BIM STANDARDS

BS 1192

PAS 1192

AECUK STD

EIR

BEP

MIDP

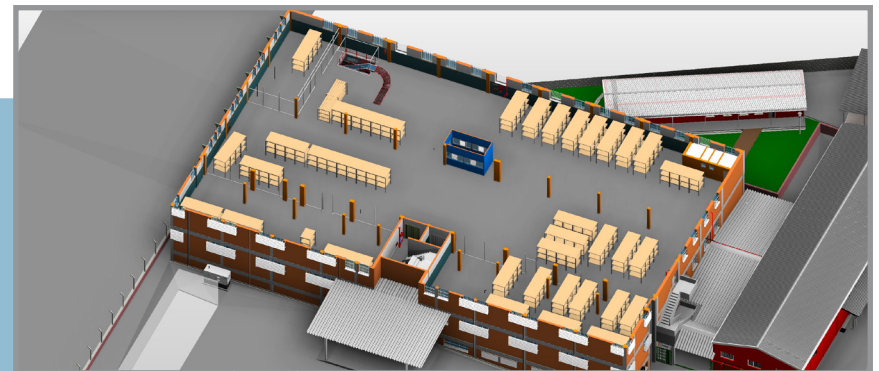
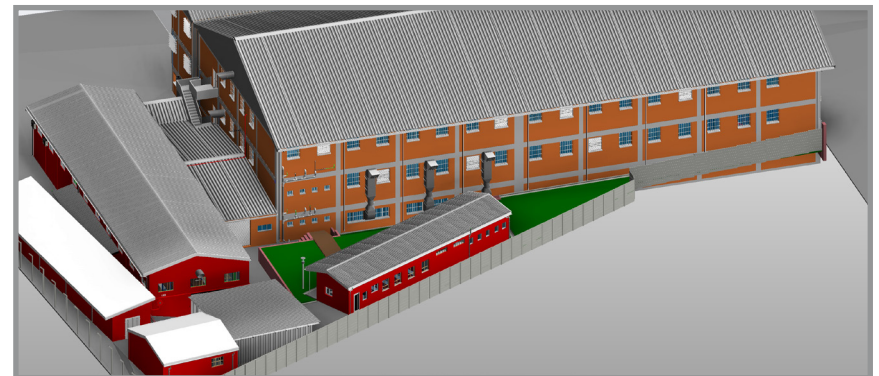
& OTHERS

Location - South Africa

Area - 4000 sq.m

Operator - KWA, Zulu Natal Department of Works

Duration - 3 months



OUR PROJECTS

09

SOCIAL HOUSING MAINTENANCE MANAGEMENT NEN2580 Compliant Digital Twins - Netherlands

Harnessing existing point cloud data, we worked on a transformative endeavor to develop NEN2580 compliant digital twins for multiple units of social housing across diverse cities in the Netherlands. Our way of approach prioritized adherence to the stringent NEN2580 standard, ensuring precision and regulatory compliance at every stage.

With a foundation of captured point cloud data, we meticulously refined, registered, and segmented the information to meet NEN2580's exacting requirements. This involved rigorous quality control measures to guarantee accuracy in the digital representation of each housing unit.

DISCIPLINES INVOLVED

ARCHITECTURE

WE ADHERED TO FOLLOWING STANDARDS

NEN 2580

LUX STANDARDS

GEBOUW SCHEDULE

BME STANDARDS

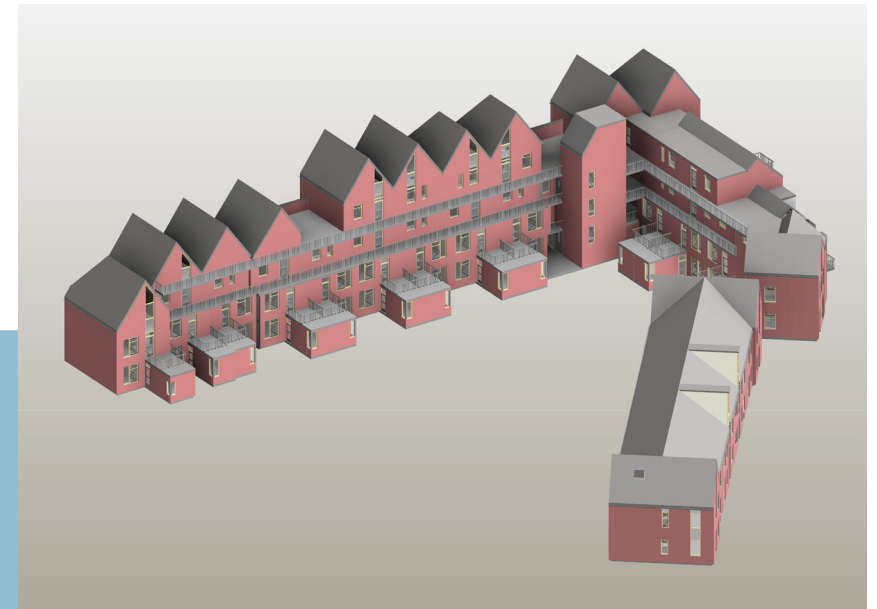
TRAINING DOCUMENT

Location - Netherlands

Area - Various Housing Units

Operator - Various FM Companies

Duration - 6 months



OUR PROJECTS

10

SHELTER MODEL FOR ETIHAD RAILWAYS

The BIM model of the Etihad Rail shelter presents a secure and well-structured facility with controlled access, reinforced fencing, and operational efficiency. It integrates surveillance, lighting, and essential infrastructure for seamless functionality. The design includes staircases, ramps, and sheltered areas, ensuring safety and accessibility. Optimized for space utilization, the model meets safety standards while enhancing operational workflows. The detailed modeling supports precise construction planning and long-term

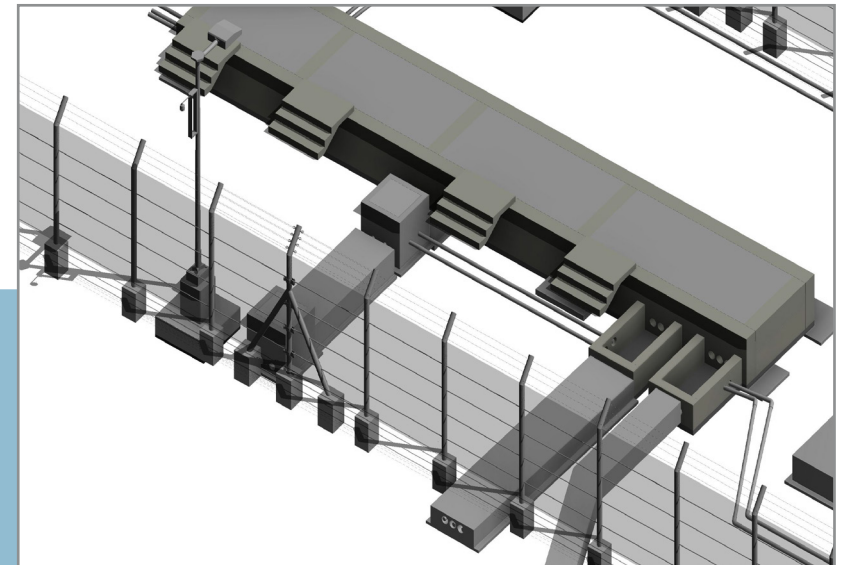
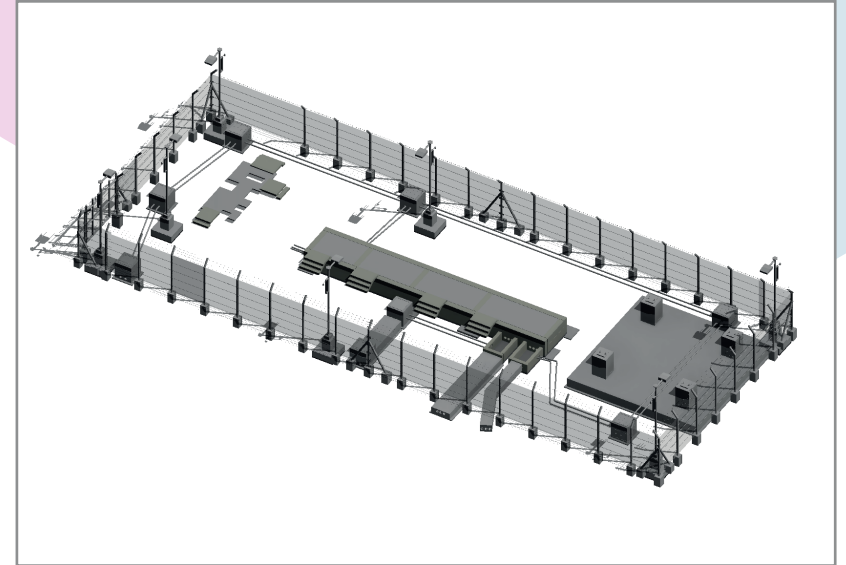
DISCIPLINES INVOLVED

ARCHITECTURE

STRUCTURAL

ELECTRICAL

Location - Dubai
Area - 850 sq.m
Operator - Etihad Rail
Duration - 1 Month



OUR PROJECTS

11

CARRIER PARKWAY TOWNHOMES Grand Praire - Texas

The BIM skills Company provided comprehensive BIM services for a row houses project in Texas, USA. Our services included:

- 1.Design Drawings** : Detailed and accurate visualizations to aid in project planning.
- 2.Permit Drawings** : Complete and compliant drawings for obtaining construction permits.
- 3.IFC Drawings** : Industry Foundation Classes(IFC) drawings for seamless data exchange.
- 4.Renderings** : High-quality visualizations for stakeholder approval.
- 5.Clash Detection and Resolution** : Identifying and resolving clashes within the BIM model to prevent construction issues.

DISCIPLINES INVOLVED

ARCHITECTURE

STRUCTURE

MEP

WE ADHERED TO FOLLOWING STANDARDS

IBC CODES

BYE LAWS

Location - Texas, USA

Area - 12000sqft

Operator - My Castle Homes LLC

Duration - As per project

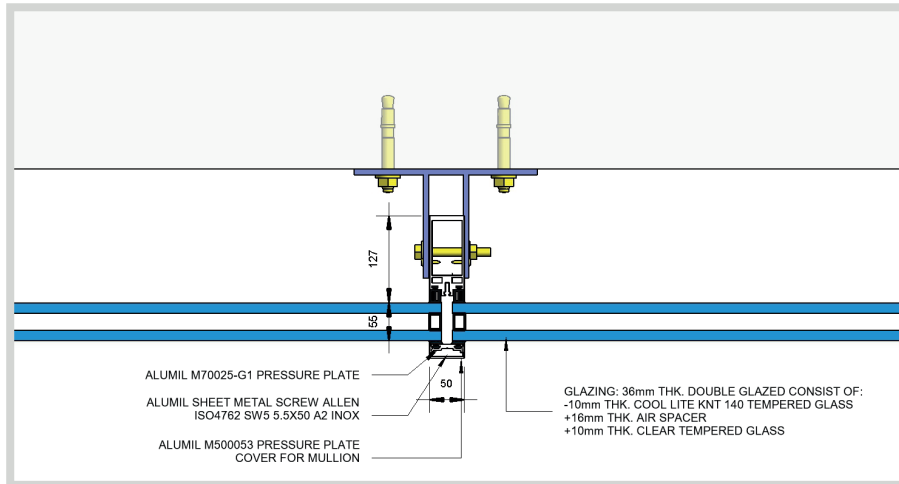


OUR PROJECTS

12

FACADE DETAILS

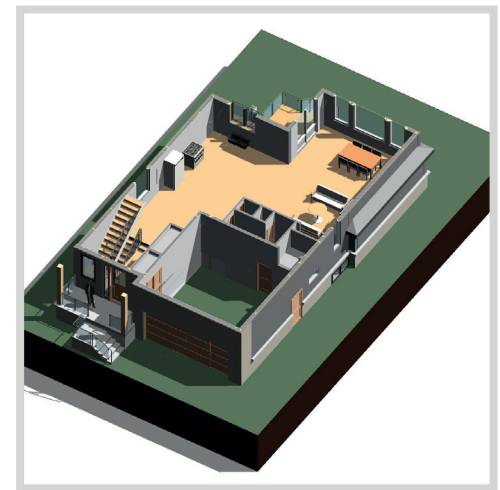
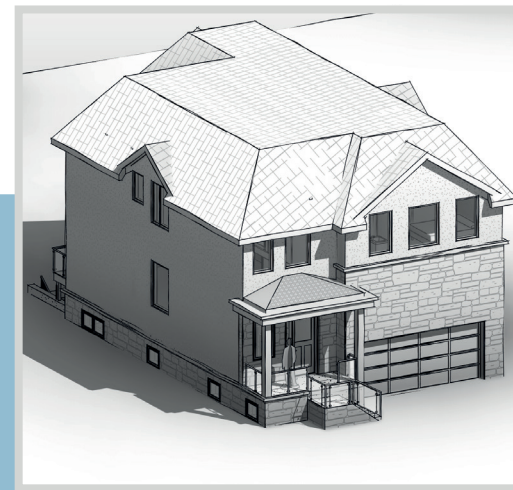
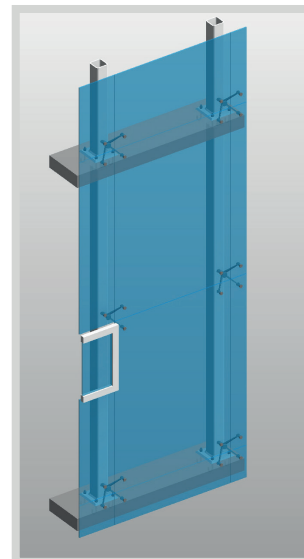
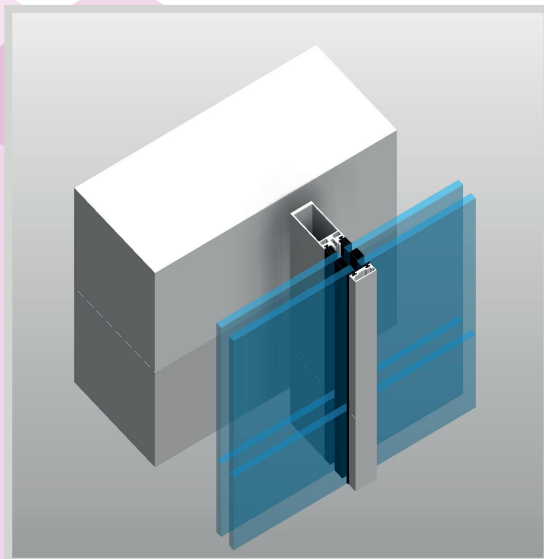
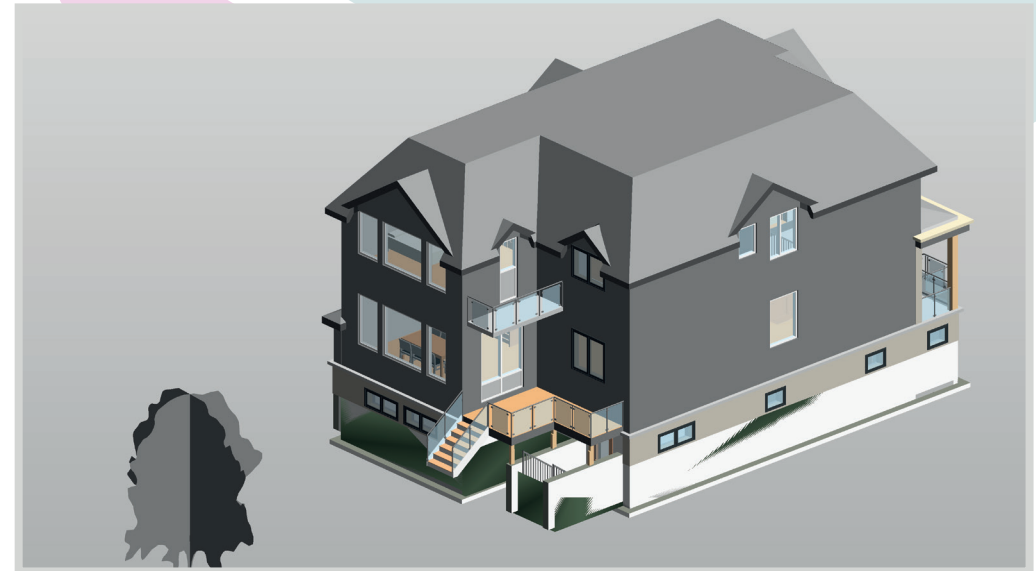
Location - Saudi Arabia



13

2 STORY HOUSE

Location - USA



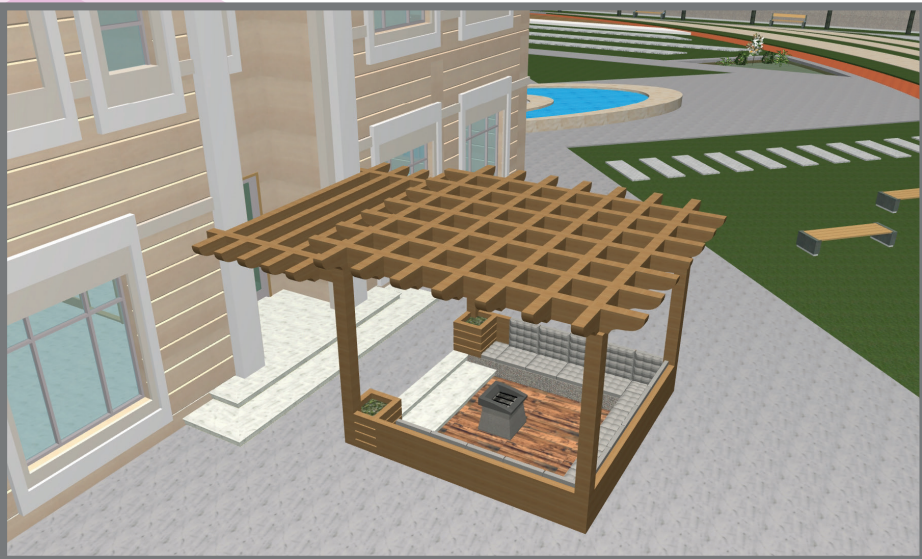
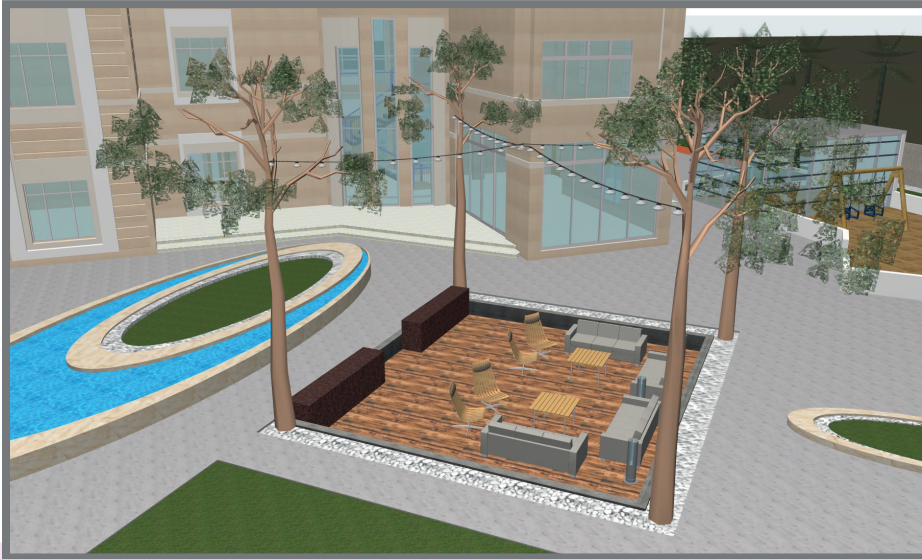
OUR PROJECTS

14 ARCHICAD WORKS

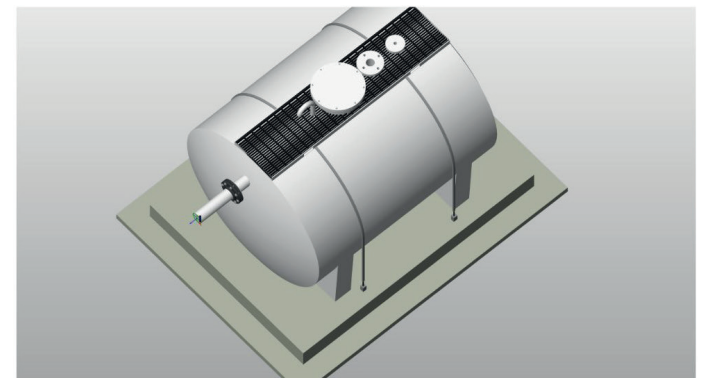
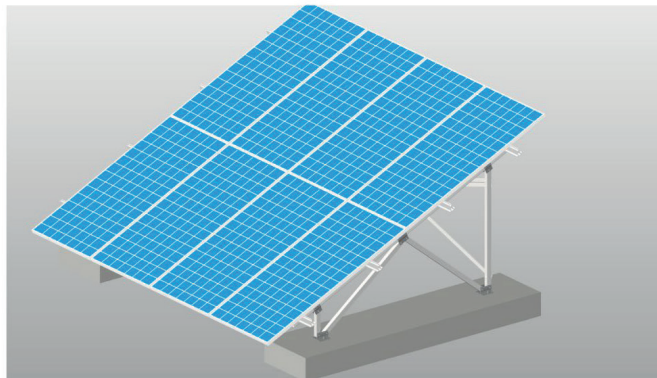
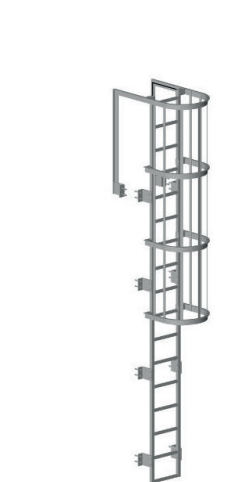
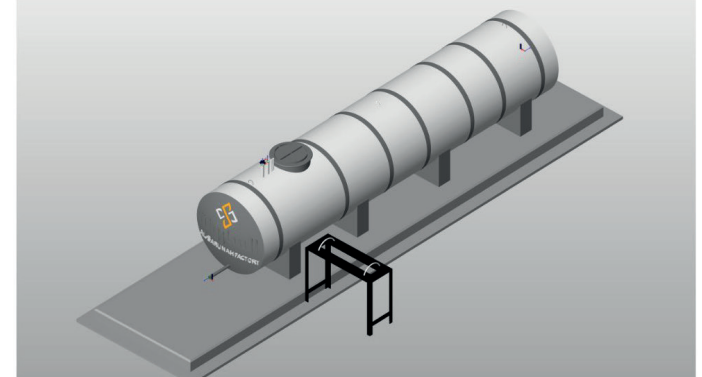
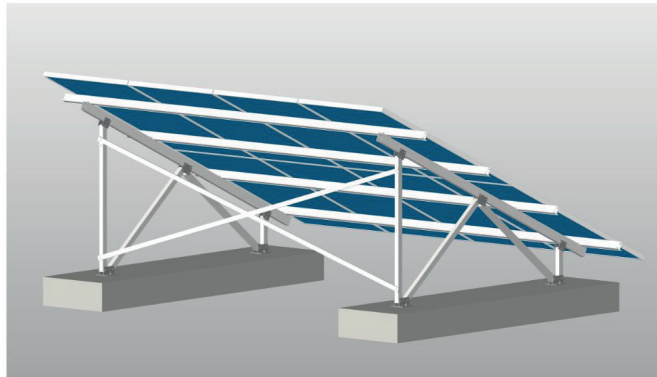
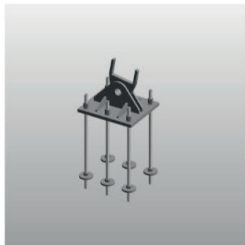
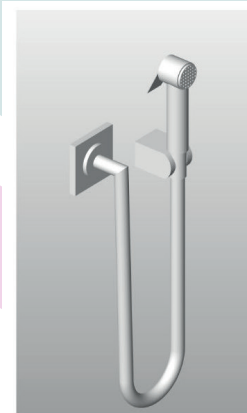
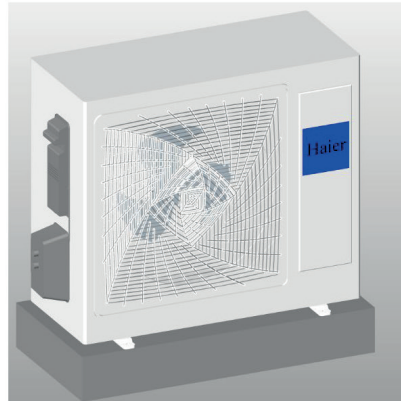
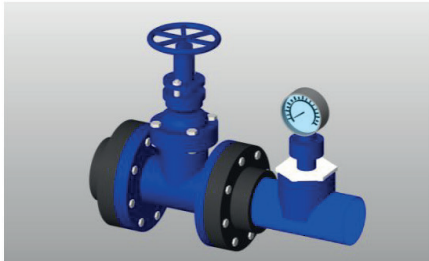


OUR PROJECTS

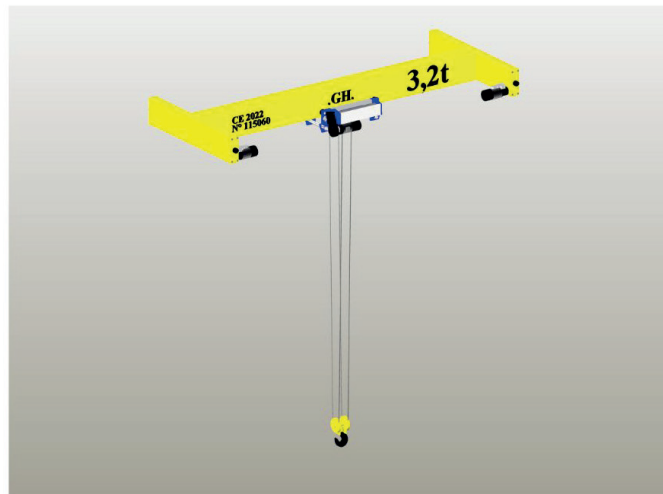
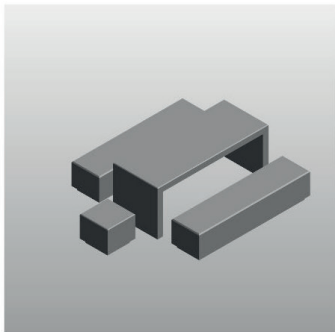
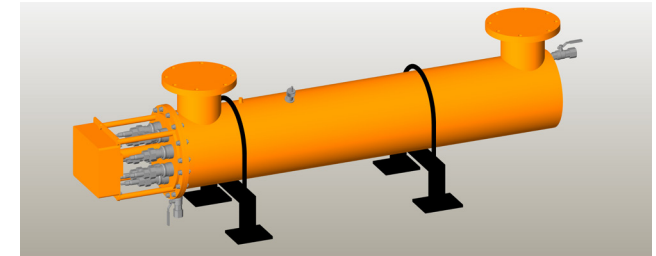
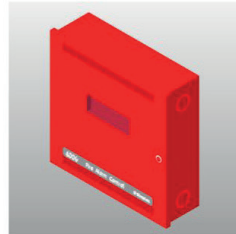
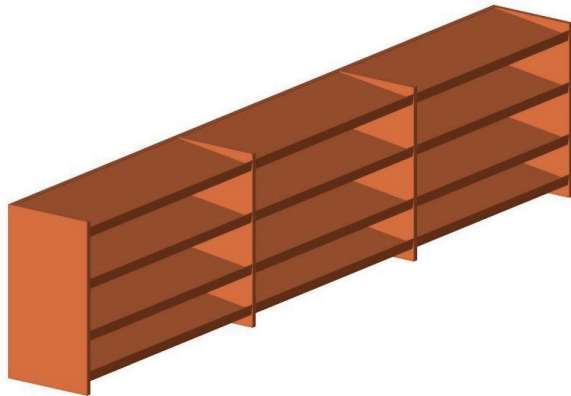
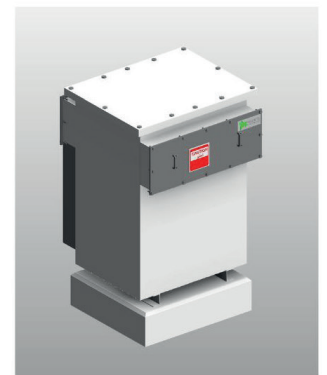
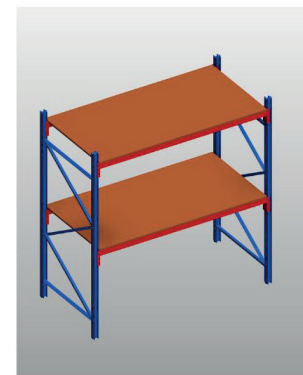
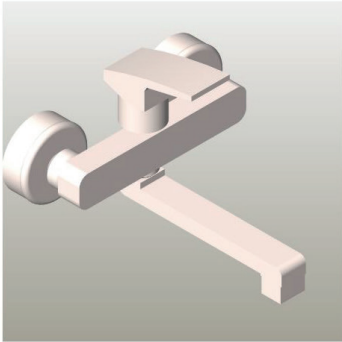
15 ARCHICAD WORKS



REVIT FAMILY CREATION



REVIT FAMILY CREATION



Thank You!

“We appreciate your interest in The BIM skills Company. Let's collaborate to innovate and construct a brighter future. Together, we can achieve extraordinary results.”

We are never more than an email or phone call away!

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The BIM skills
CAD, BIM, GIS Consulting



1st Floor ,RS Complex Opp.Bombay Building
Mailoor, Bidar, Karnataka- 585403, INDIA