WHITE BUILDING
ENGINEERING GROUP

BIM

Take it to the
next level

WHITE BUILDING GROUP MEMBER

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and BIM manager

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Electrical engineer and
BIM modeler

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Mechanical engineer and
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Mechanical engineer and
BIM modeler

OUR SERVICES:

BUILDING INFORMATION MODELING

CONSULTATION

MANAGEMENT DASHBOARD

SUPERVISION

PROJECT MANAGEMENT

TRAINING AND IMPLEMENTATION

BUILDING INFORMATION MODELING

   Building information modeling (BIM) is a process supported by various tools, technologies and contracts involving the generation and management of digital representations of physical and functional characteristics of construction projects. Building information models (BIMs) are computer files (often but not always in proprietary formats and containing proprietary data) which can be extracted, exchanged or networked to support decision-making regarding a built asset. BIM software is used by individuals, businesses and government agencies who plan, design, construct, operate and maintain buildings and diverse physical infrastructures, such as water, refuse, electricity, gas, communication utilities, roads, railways, bridges, ports and tunnels.

   By improved harmonization among design and construction teams, this process facilitates clash detection and optimizes resources consumption (time, cost, etc.) in projects. The BIM process consists of two levers, procedures and tools, delivering a structure to manage the creation, change and updating the project data, and improves the data usage for stakeholders in the present and future. The following figure shows the data circulation among different stages of a project life cycle.
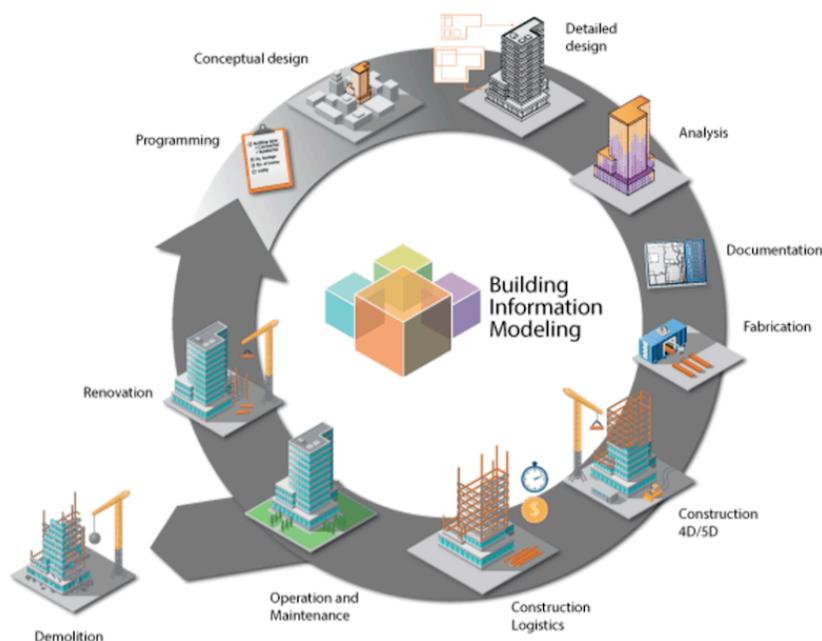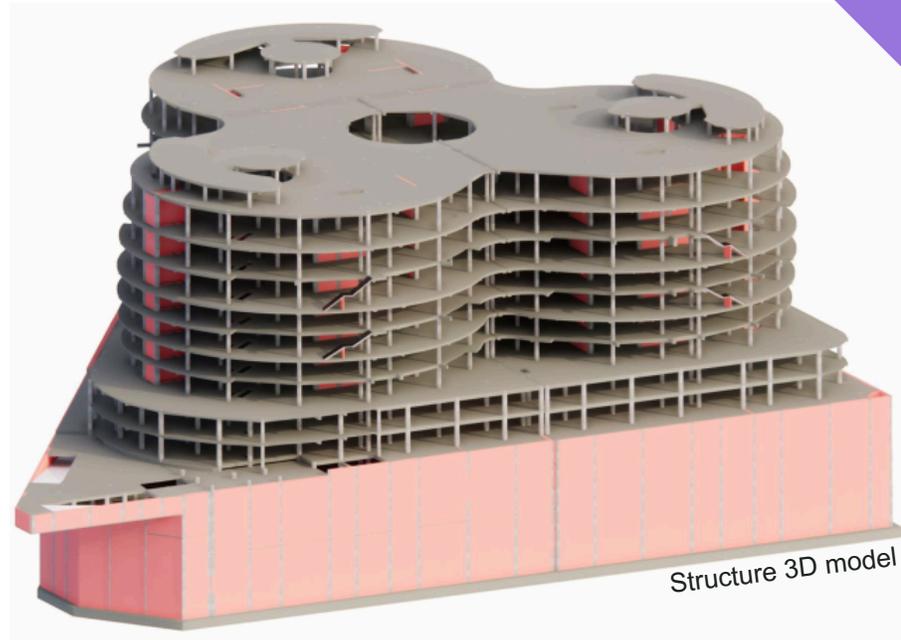
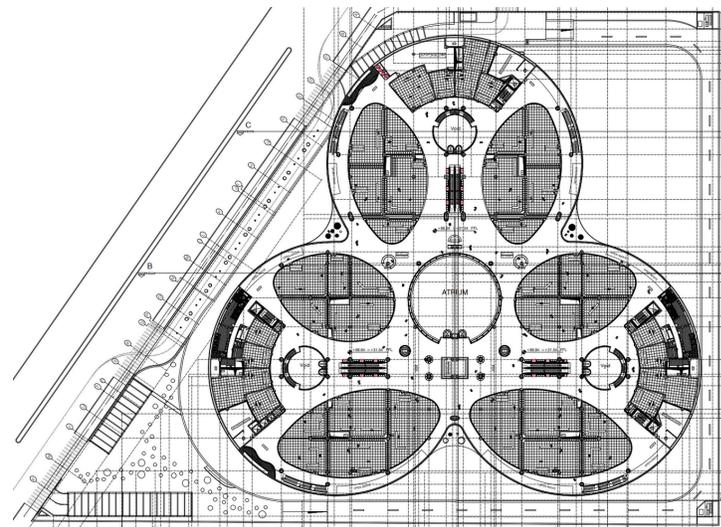# RECENT PROJECTS:

YAS SHOPPING CENTER

◆ **Area: 260,000 m^2**
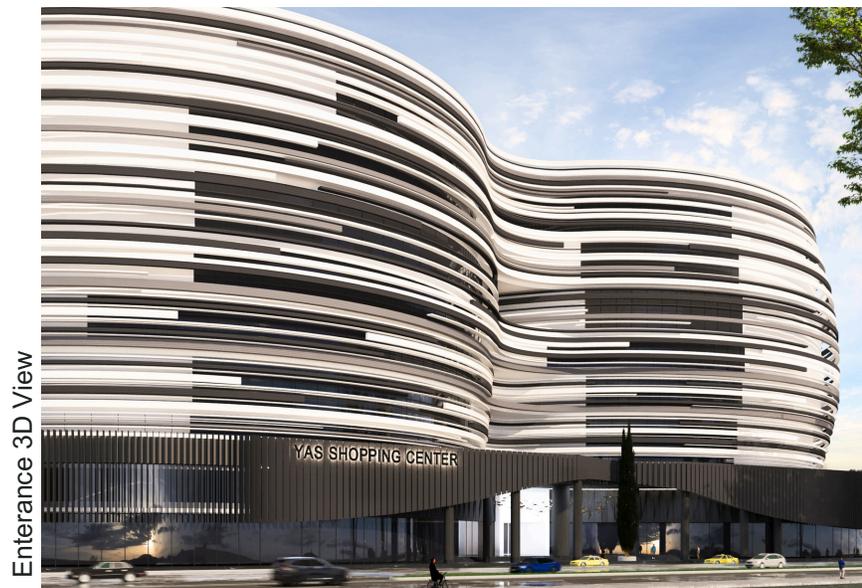📅 **Year: Under Construction**

Facade Design

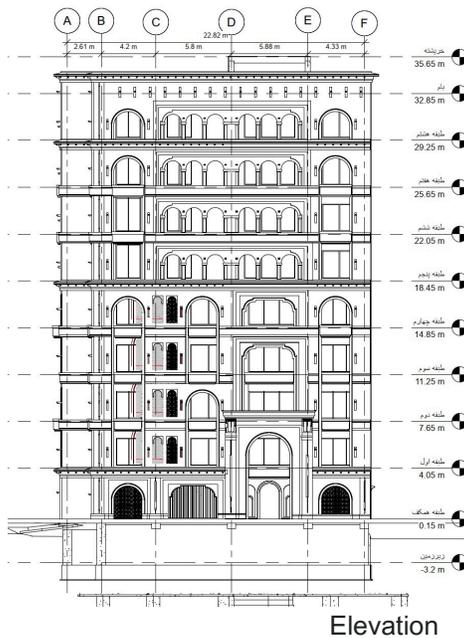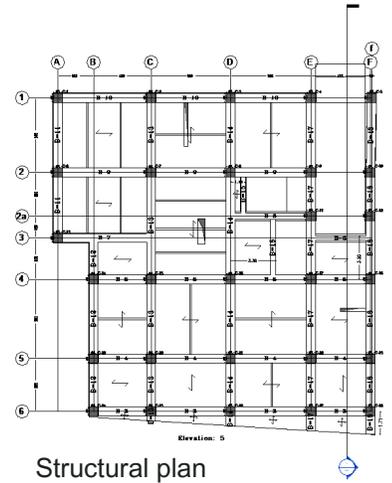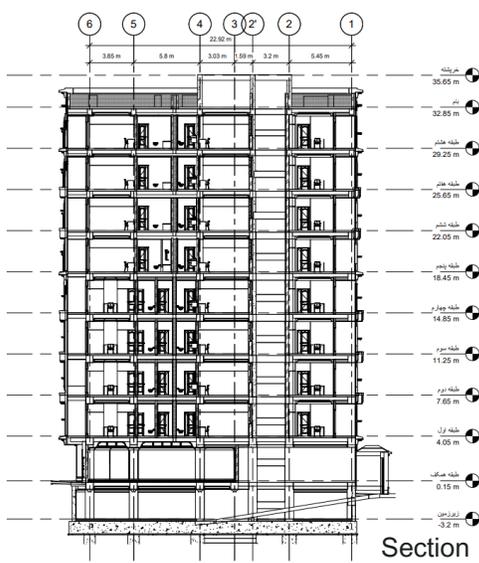Structure 3D model

Plan

Enterance 3D View

ARAMIS RESIDENTIAL BUILDING

Area: 5,000 m²

Year: Under Construction

Plan

Section

Structural plan

Facade Design

Elevation

Structural 3D View

CHENARAN VILLA

◆ **Area: 600 m^2**
📅 **Year: 2019**

Enterance View
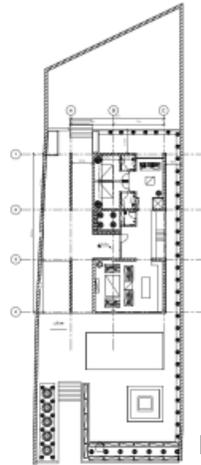
Plan

3D Model

MOON VILLA

◆ **Area: 450 m^2**
📅 **Year: 2018**

Interior Design

Plan

Interior Design

MARVAST GUEST HOUSE

◈ **Area: 6,000 m^2**

📅 **Year: 2023**

Underground Plan

Ground Floor Plan

3D Model

Roof Garden

Interior Section

Section

Section

Interior Section

Underground View
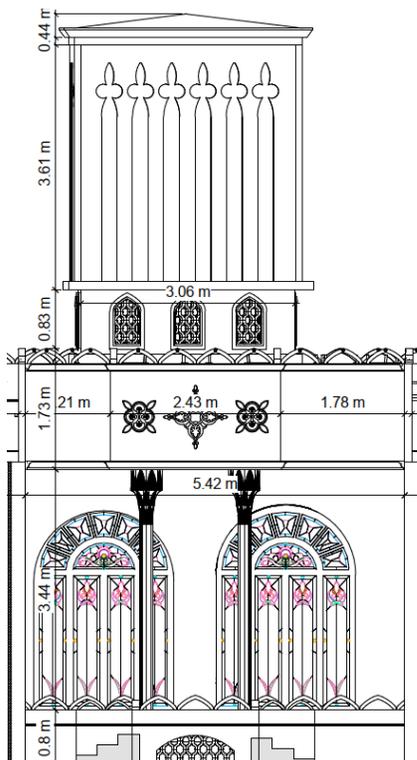
MEHR VILLA

- Area: 360 m^2
- Year: 2022

Enterance View
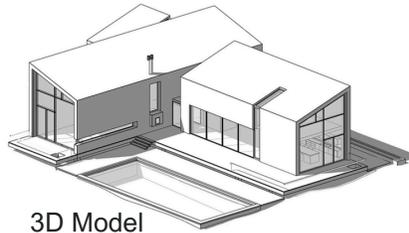
3D Model

Plan

JUNGLE VILLA

- Area: 530 m^2
- Year: 2019
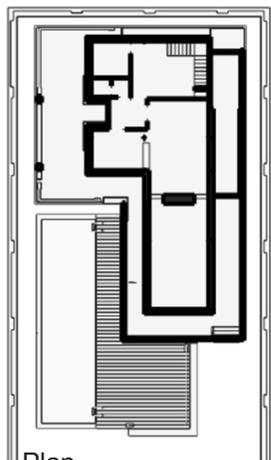
Plan
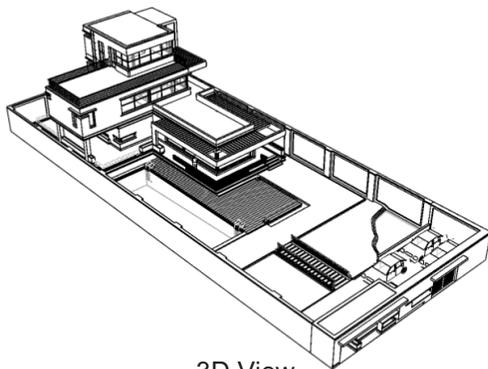
3D View

Exterior Design

PARIZ PISHRO MACHINIZED CATERING

◈ **Area: 10,000 m^2**

📅 **Year: Under construction**
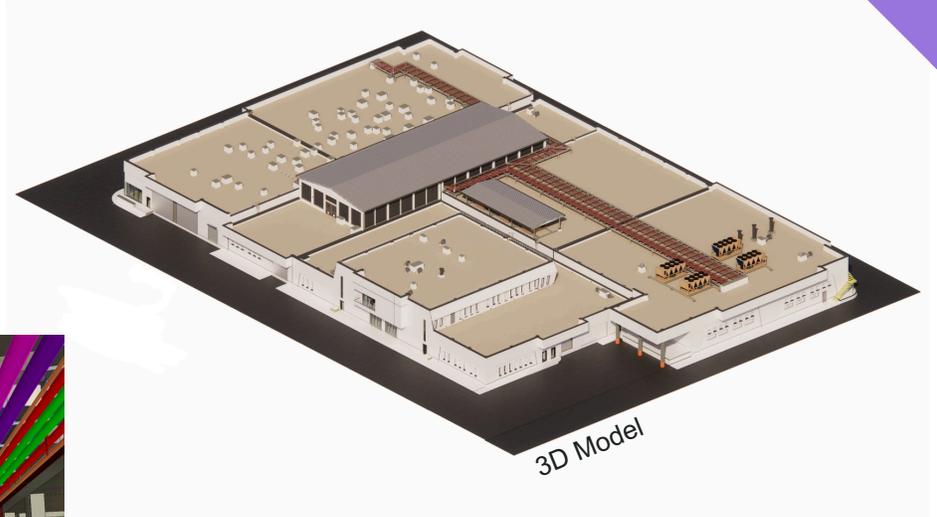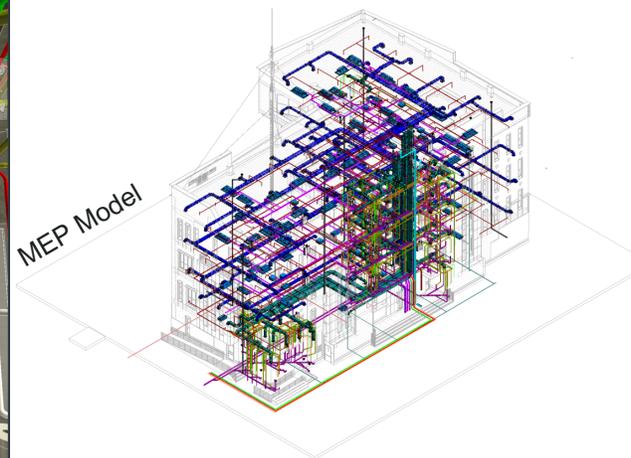
Mechanical Model

3D Model

Electrical Model

Mechanical Model
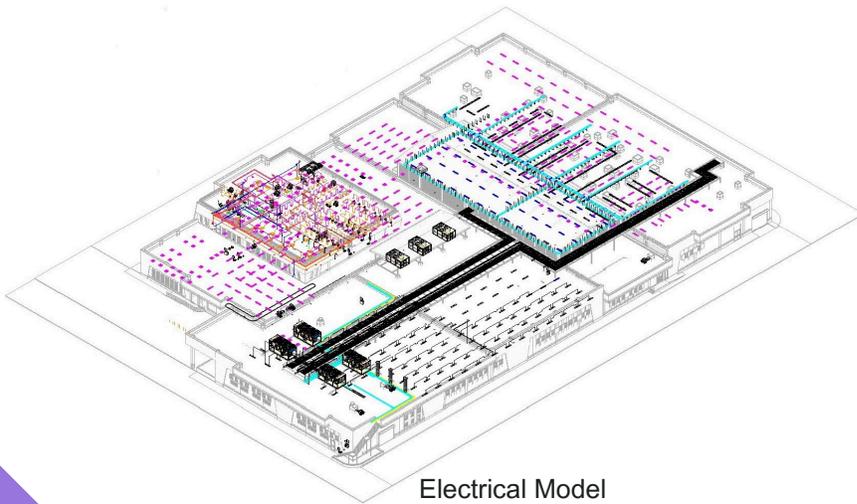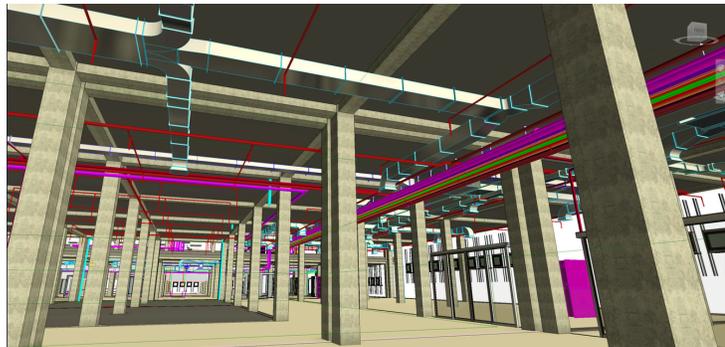
Electrical Model
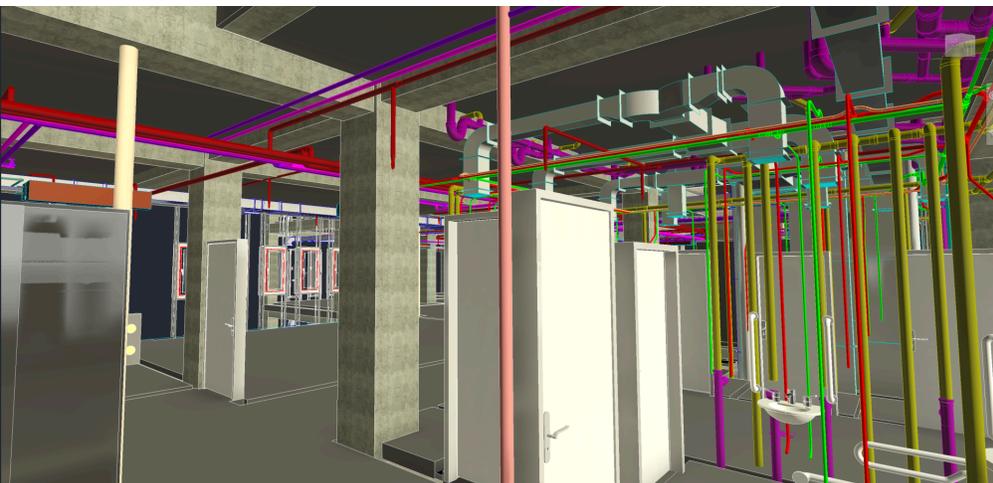
PARIZ PISHRO ADMINISTRATION BUILDING

- Area: 5,000 m^2
- Year: Under construction
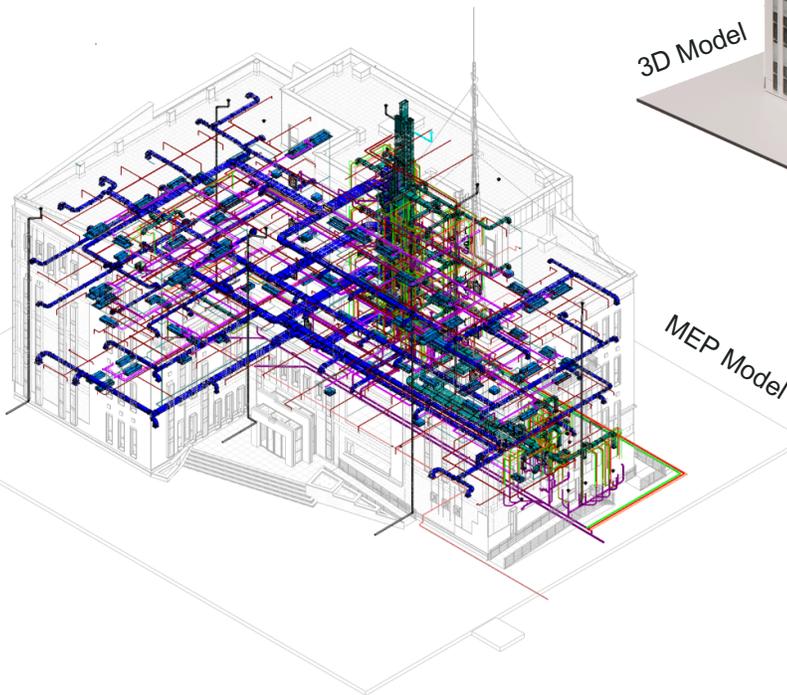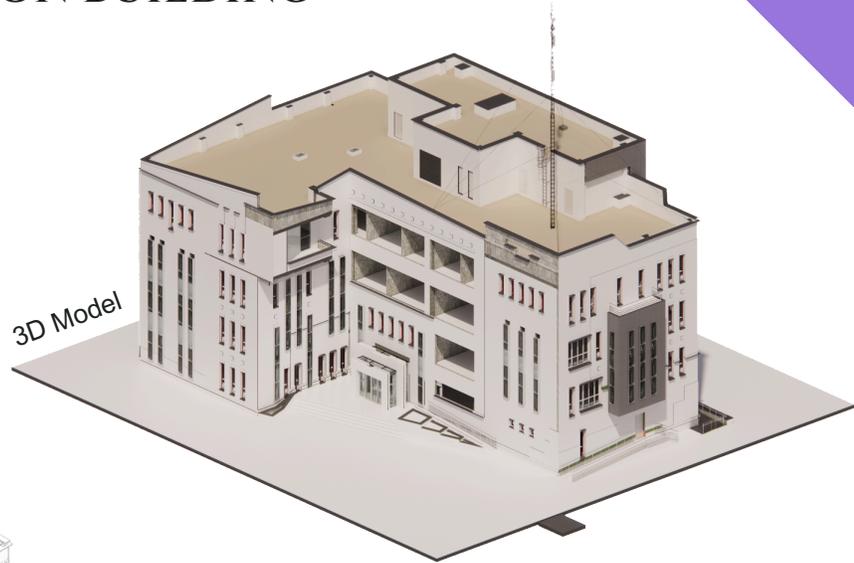
3D Model

MEP Model

Mechanical Model

Mechanical Model

MEP Model

KHATAM UNIVERSITY

◆ Area: 15,000 m ^{2}
📅 Year: Under Construction

3D View

Structural Model
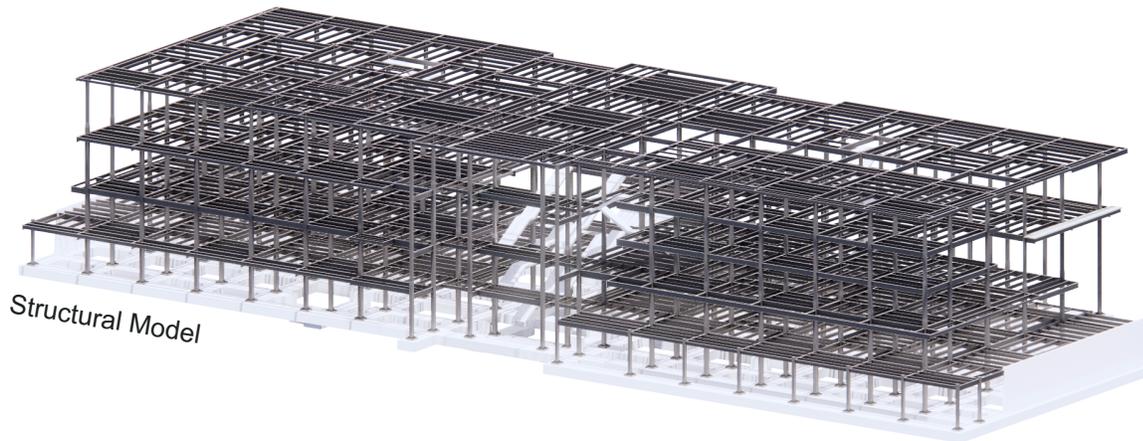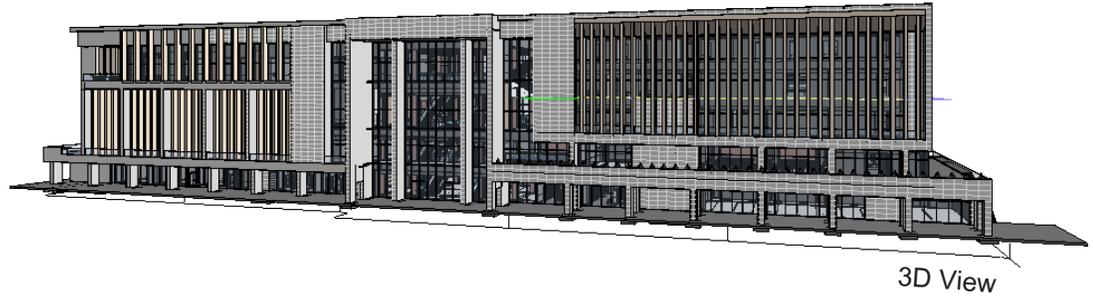
MEP Model

MEP Model

KHATAM UNIVERSITY PARKING

◆ **Area: 8,000 m^2**

🗓 **Year: Under Construction**

Interior View
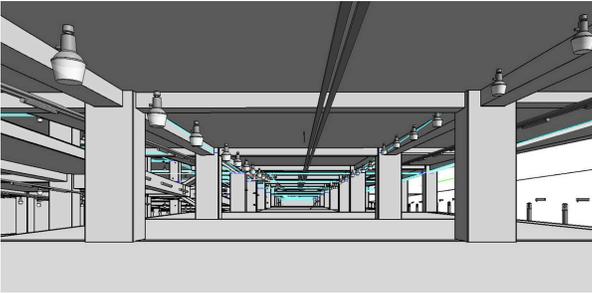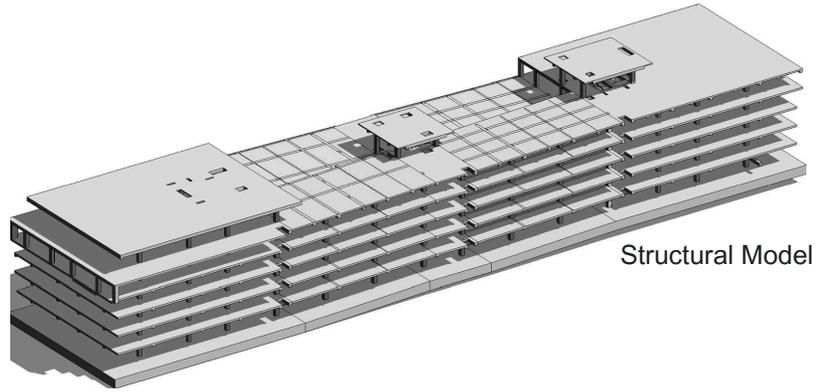
3D model

MEP Model

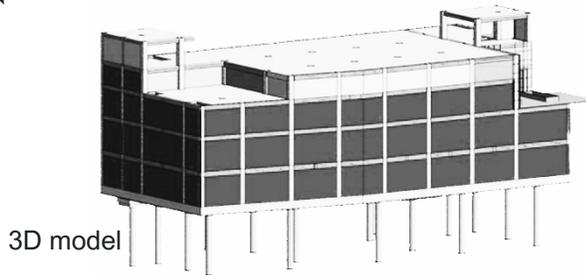Structural Model
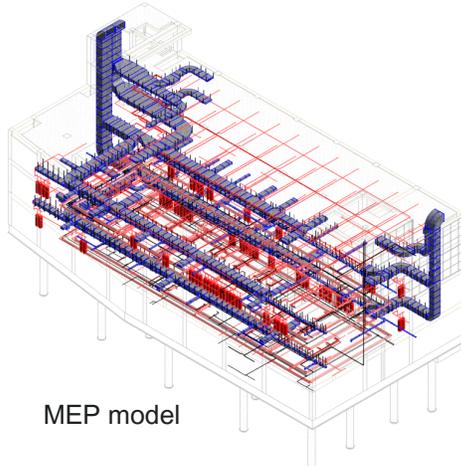
DATA CENTER BARAN

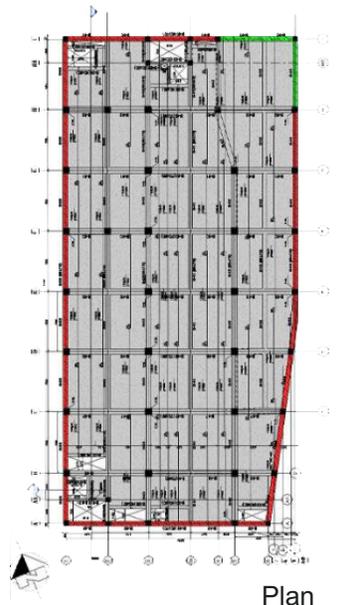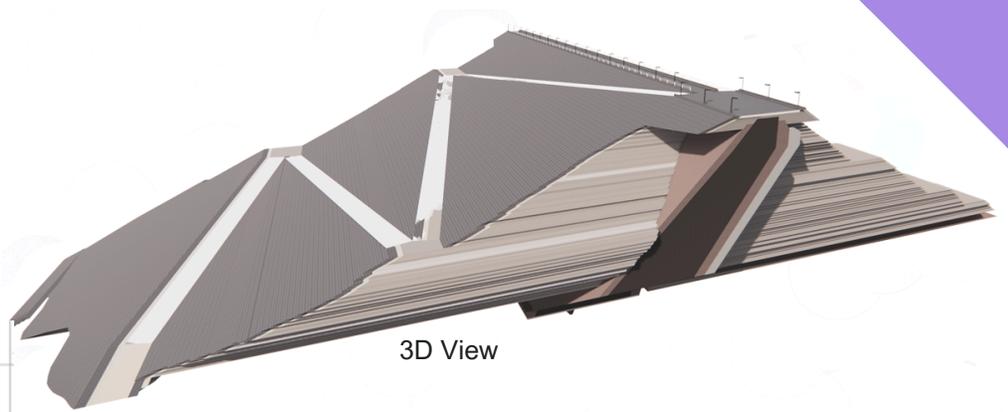◆ **Area: 8,000 m^2**
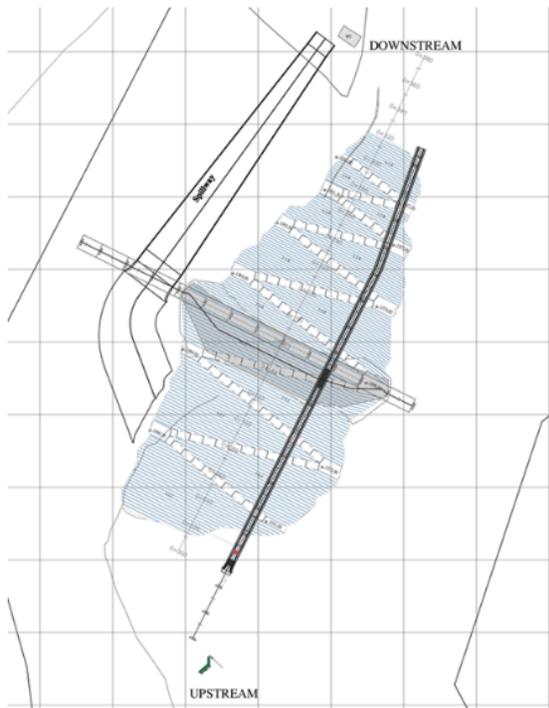
🗓 **Year: 2024**

Mechanical Model

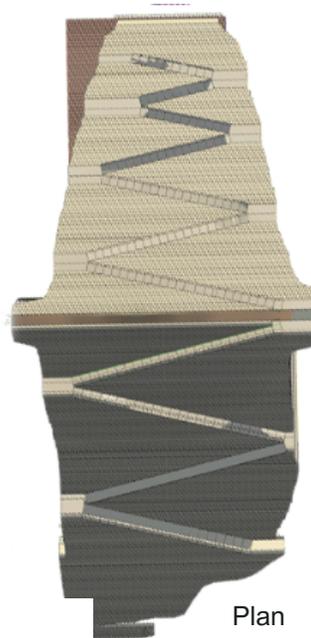Electrical Model

3D model

MEP model
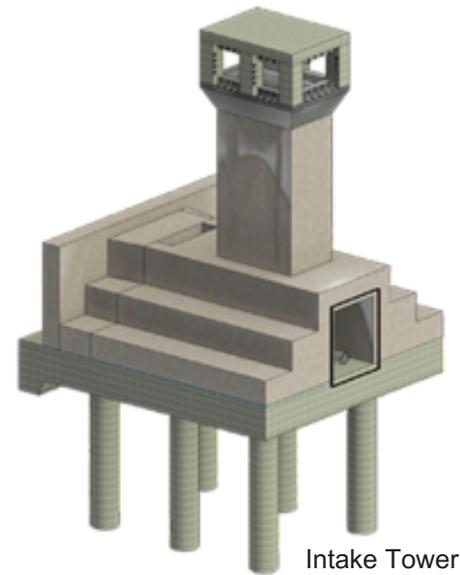

Plan

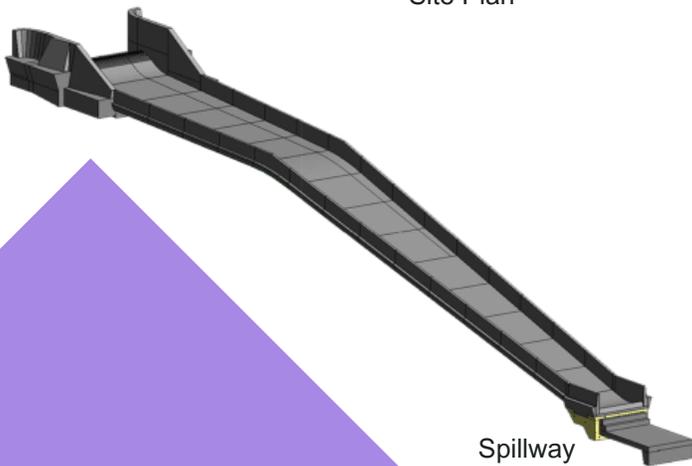# DAHANE DARRE DAM

📅 **Year: 2020**
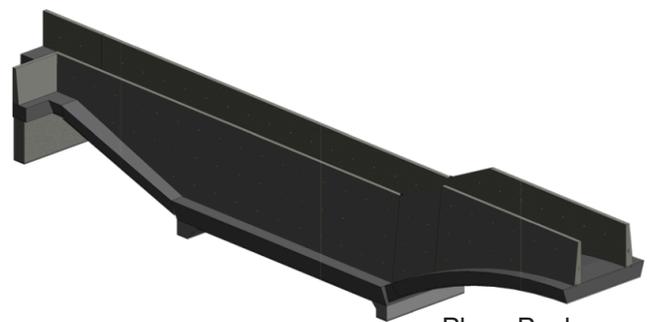
3D View

Site Plan

Plan

Intake Tower

Spillway

Plung Pool

BIM CORE BENEFITS:

- Construction before Construction.
- Clash detection between different disciplines.
- Precise material takeoff.
- Persentation of 3D views from indoor and outdoor areas.
- Project management dashboard
- Time schedule linked with 3D geometry.
- Facilitating communication with stakeholders during project life cycle.

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