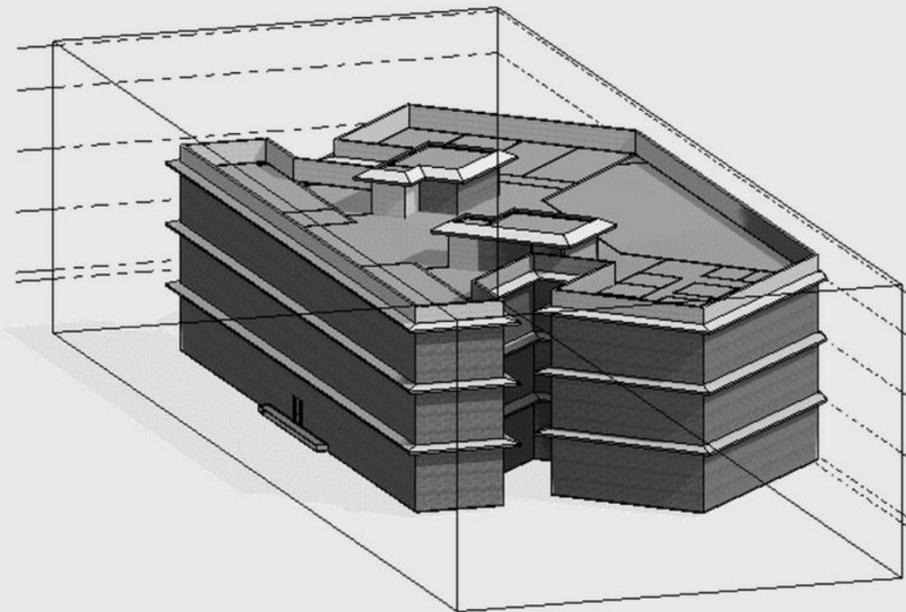


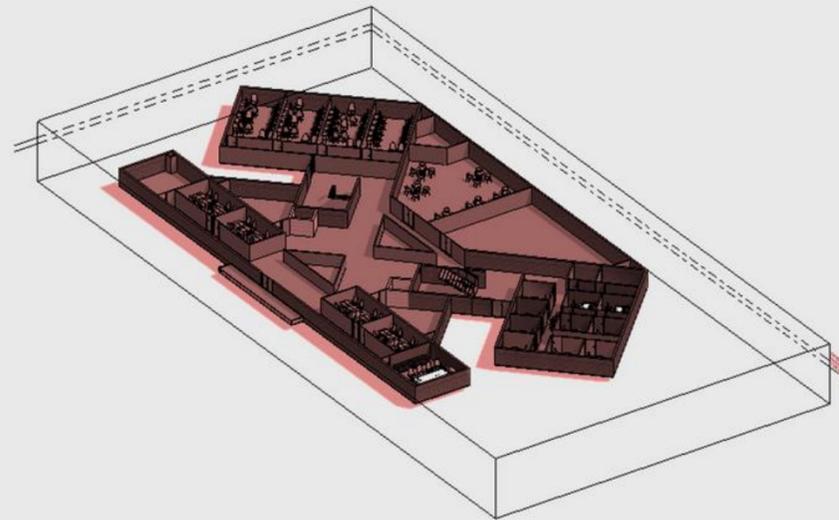
Our BIM & Design Services →



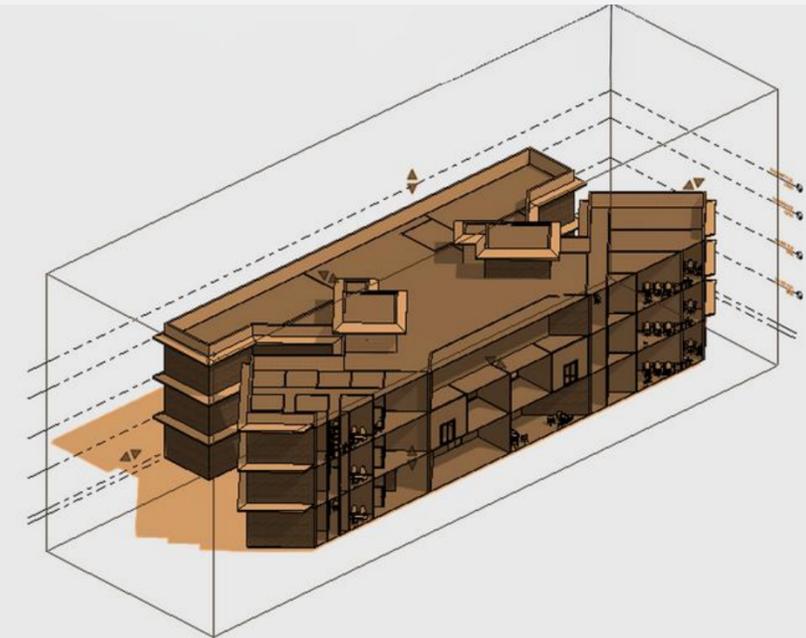
Revit Conceptual Model



BLOCK
MODEL



FLOOR
SECTIONAL
VIEW



BUILDING
SECTIONAL VIEW

Visualizing architecture before it's built

← Revit lets Designers peek inside buildings before a single brick is laid. These three views turn complex structures into clear, visual stories: →

02

ELEVATION

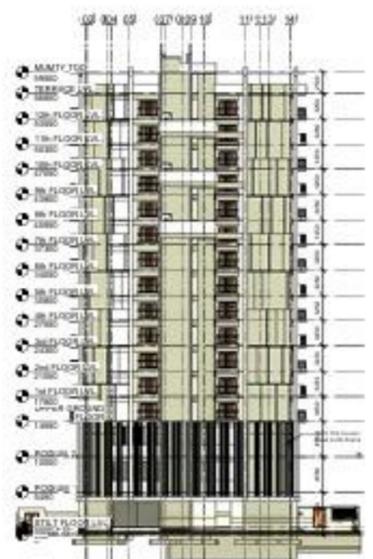
Showing the building from every side

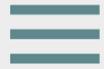
Elevation drawings display the building's outer look—each side clearly detailed for design and construction.

Key Highlights

- ✓ **All four sides visualized:** Front, back, and both sides, fully detailed.
- ✓ **Design clarity:** Balconies, windows, and cladding elements are clearly shown.
- ✓ **Technical precision:** Grids, levels, and dimensions ensure everything aligns perfectly.
- ✓ **Built from BIM:** Created using Revit/AutoCAD for consistency and coordination.

01





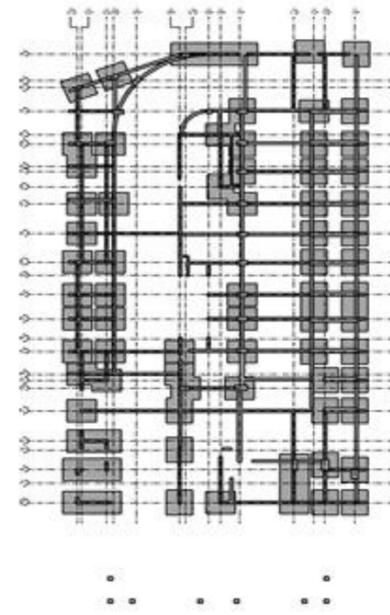
STRUCTURE

How buildings stand strong

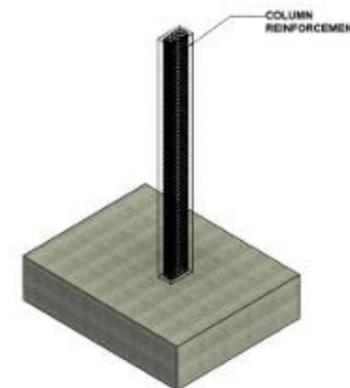
Structural design ensures the building is safe, stable, and ready to be built. It shows how weight is supported and transferred through key elements.

Key Elements:

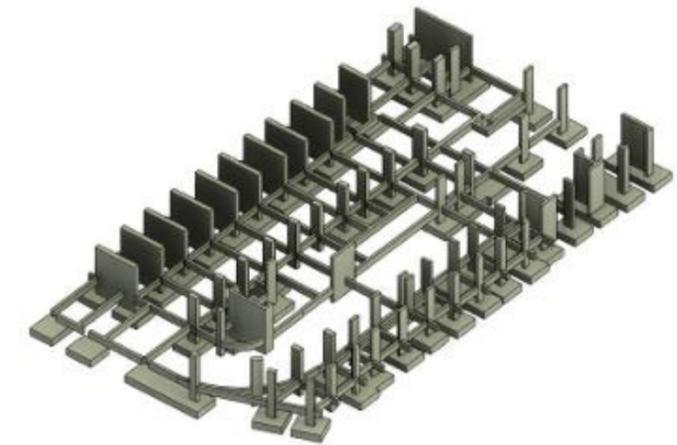
- ✓ **Foundation & Columns:** Footings placed to support the building's load.
- ✓ **Framing Model:** Beams and slabs that carry weight across floors.
- ✓ **Reinforcement Details:** Steel bars inside columns and beams for added strength.
- ✓ **Complete 3D Model:** Combines all structural parts for clear construction planning.



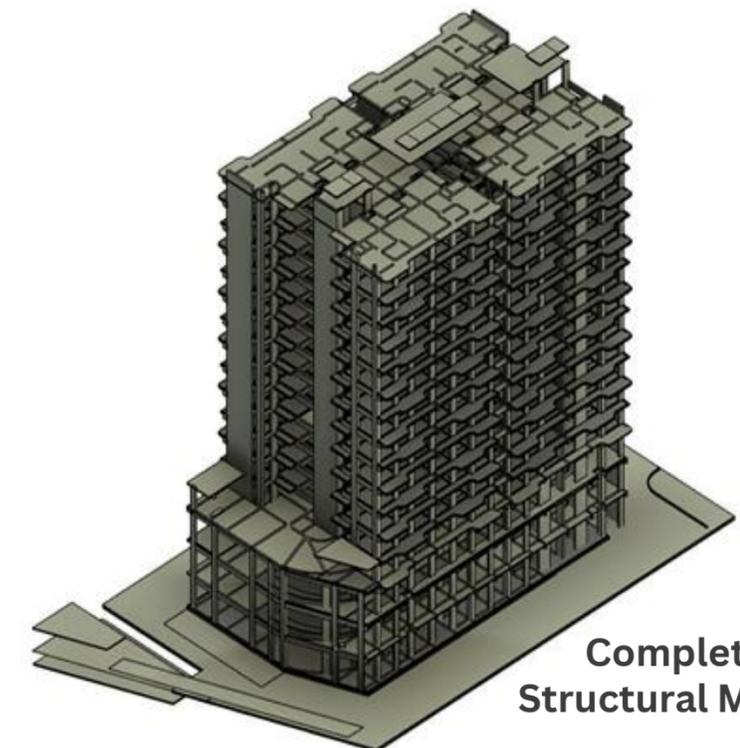
2D Structural Plan



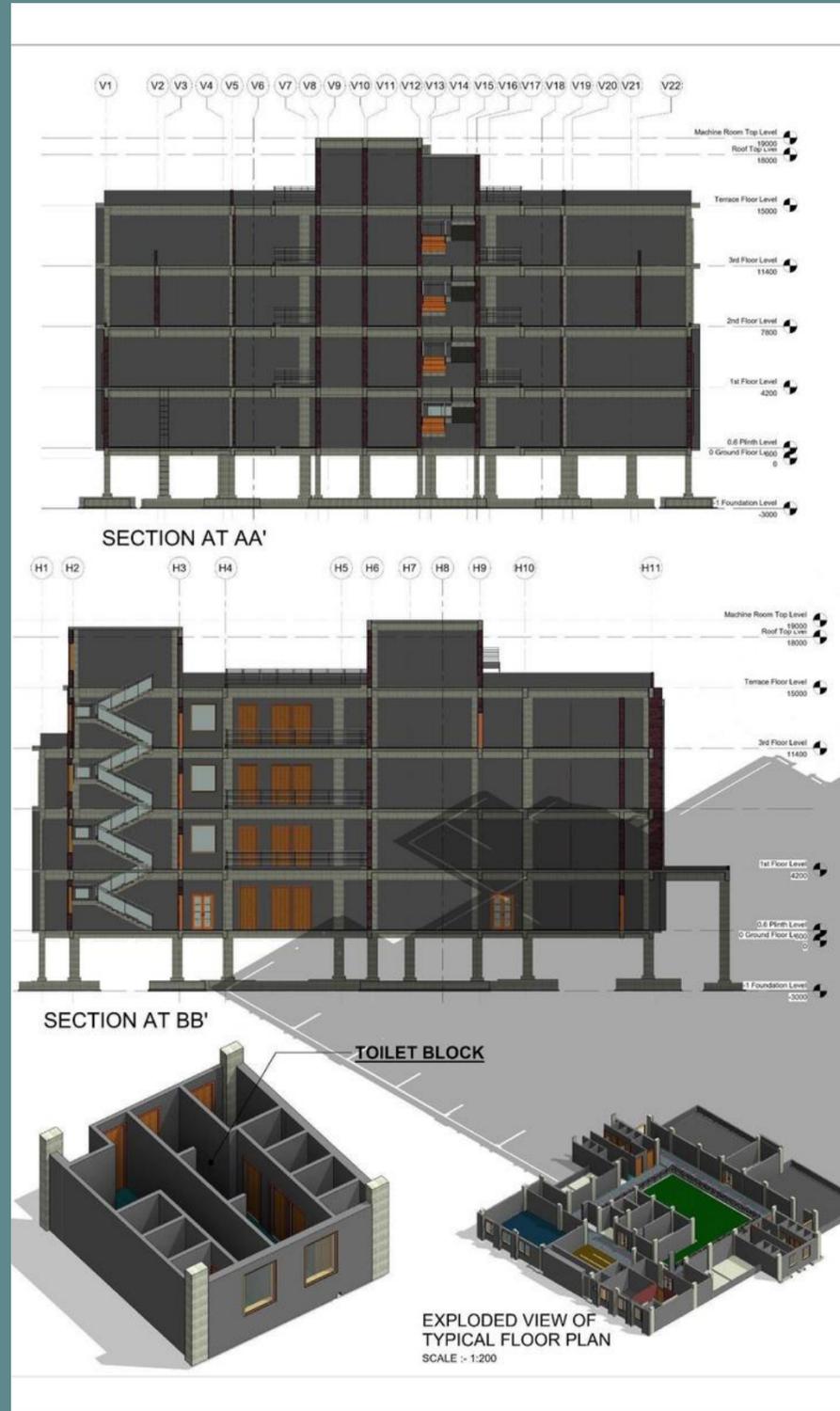
COLUMN REINFORCEMENT VIEW



Foundation and Column Layout



Complete Structural Model



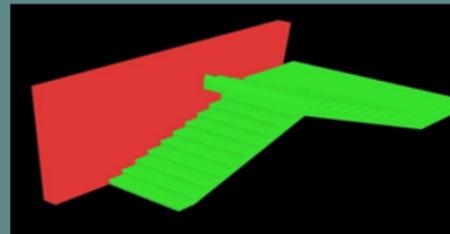
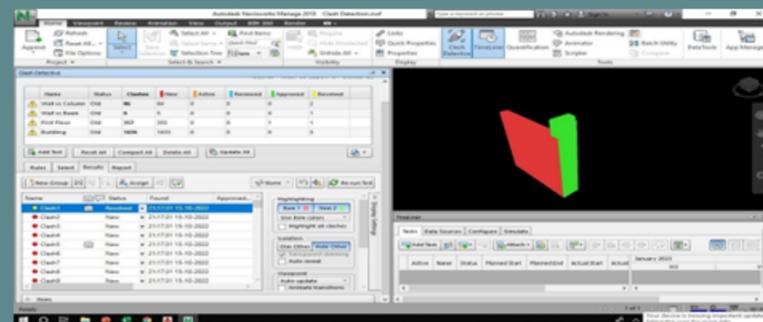
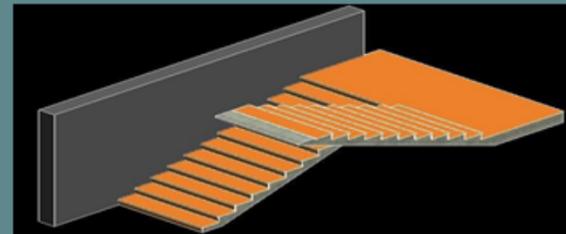
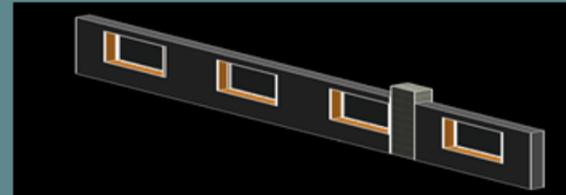
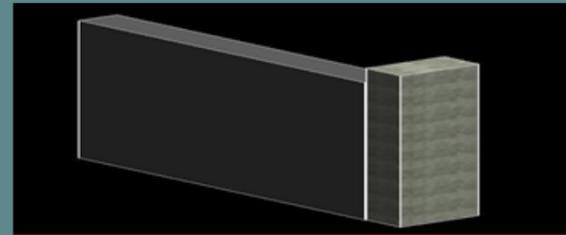
SECTION

Inside the building—layer by layer

Section views reveal how floors, walls, and systems are arranged. They help teams plan better and build smarter.

Key Elements:

- ✓ **Vertical cuts** showing stairs, lifts, and floor levels
- ✓ **Toilet block layout** with plumbing and ventilation
- ✓ **3D floor breakdown** with unit divisions
- ✓ **Full building view** from foundation to roof
- ✓ **BIM-based visuals** for easy coordination

WALL Vs
COLUMNWALL Vs
COLUMNBUILDING
CLASHBUILDING
CLASH

CLASH DETECTION NAVISWORKS

Spotting design conflicts before construction

Using Navisworks, clashes between building elements-like walls, columns, beams, and stairs-are detected early to avoid costly errors on site.

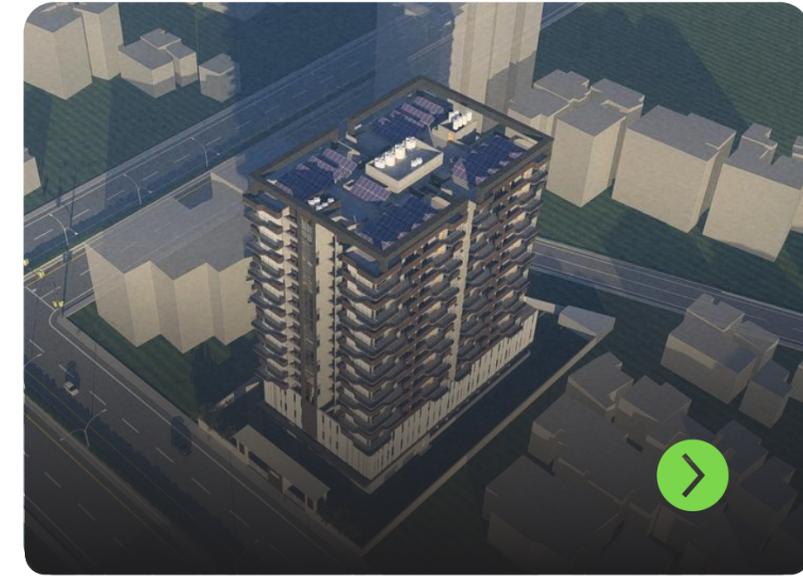
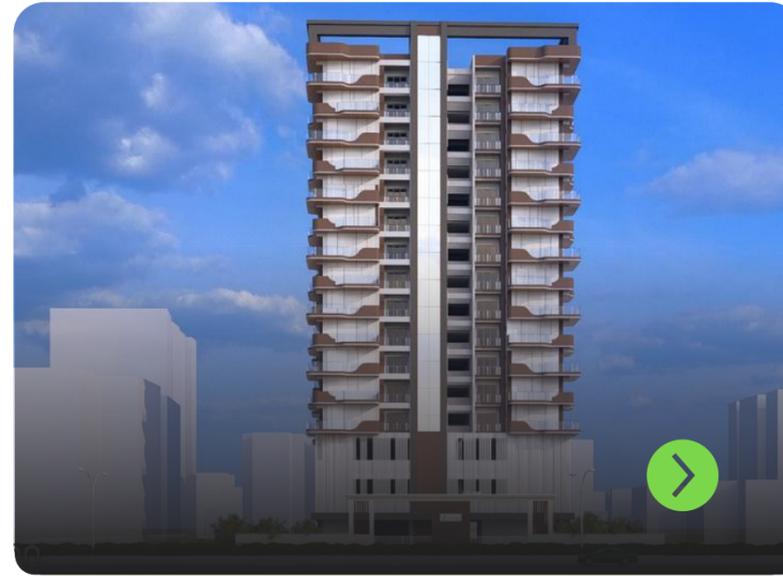
Key Elements:

- ✓ **Wall vs Column:** Found and fixed overlapping elements
- ✓ **Building Clashes:** Detected major design conflicts
- ✓ **3D Views & Reports:** Visualized issues and shared detailed coordination reports
- ✓ **Outcome:** Better teamwork, fewer mistakes, smoother construction

Visualization Services →



LUMION RENDER EXTERIOR 3D VIEWS

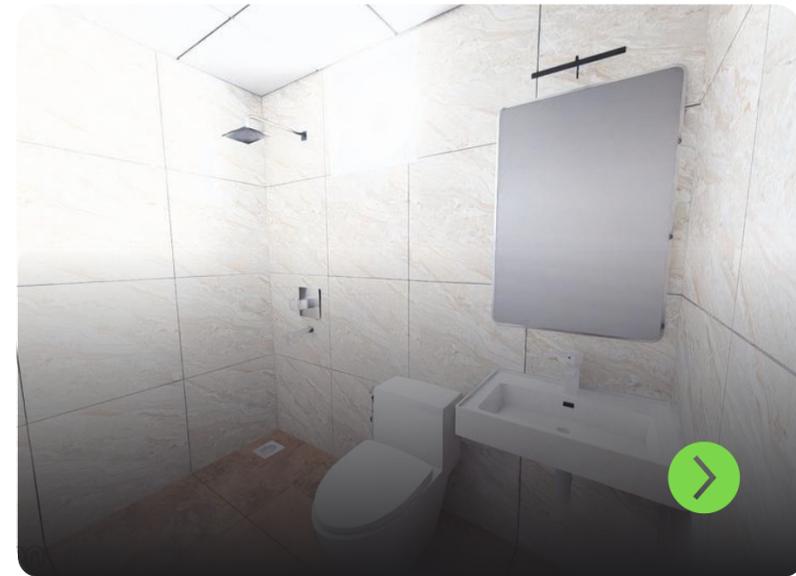
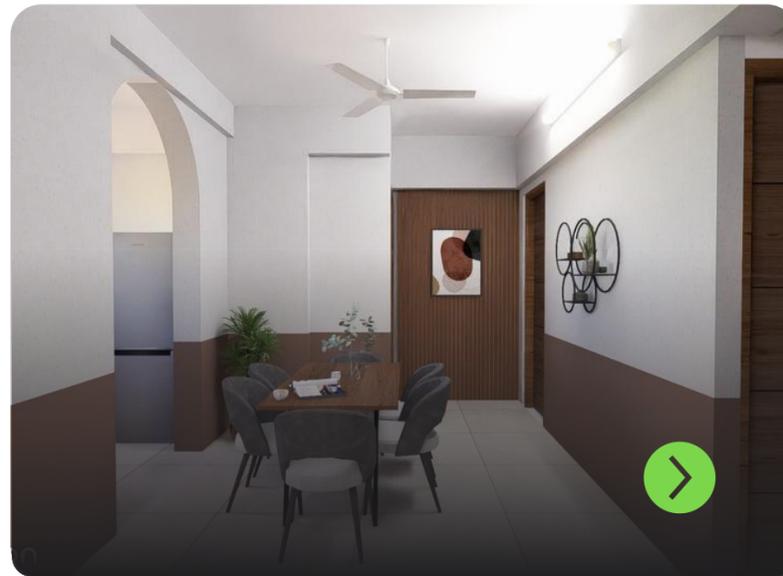
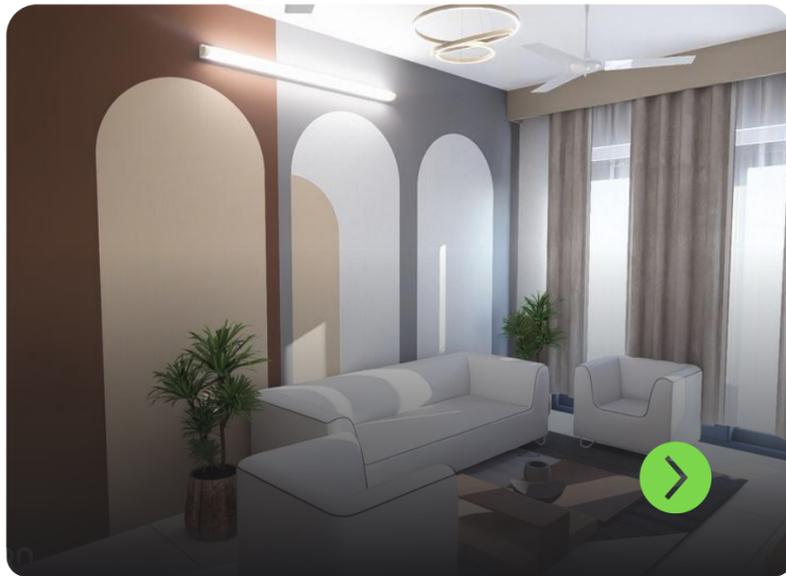
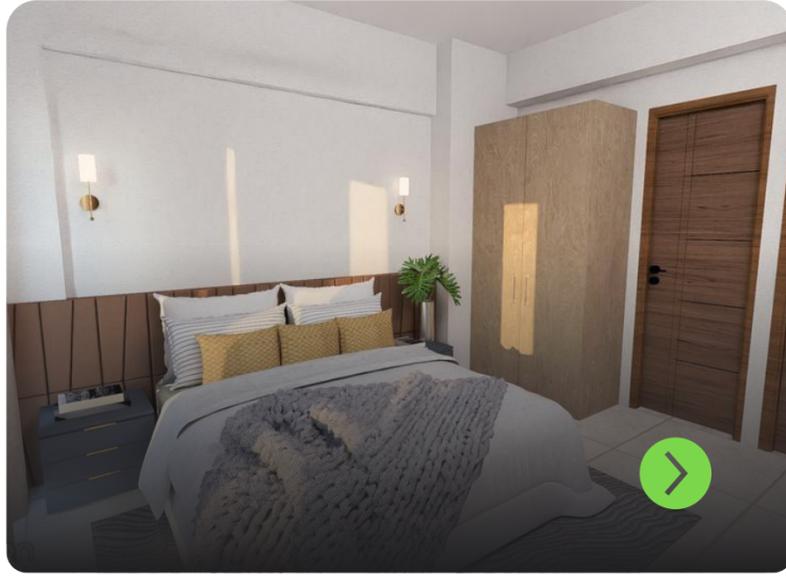


**High-rise
residential design
with full 3D
visualization**

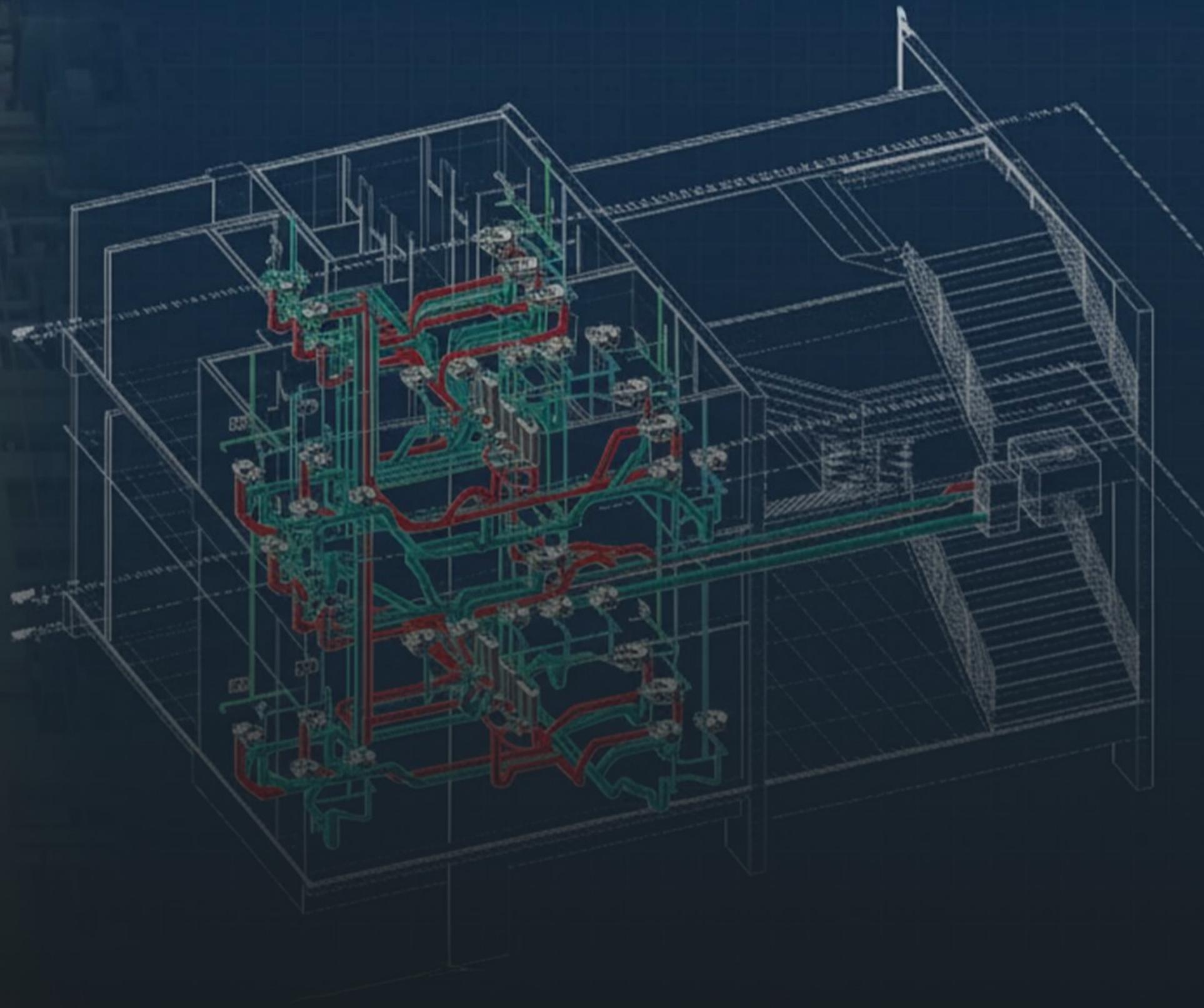
**Redevelopment of SIDBI Officers
Apartment, Vashi, Navi Mumbai**

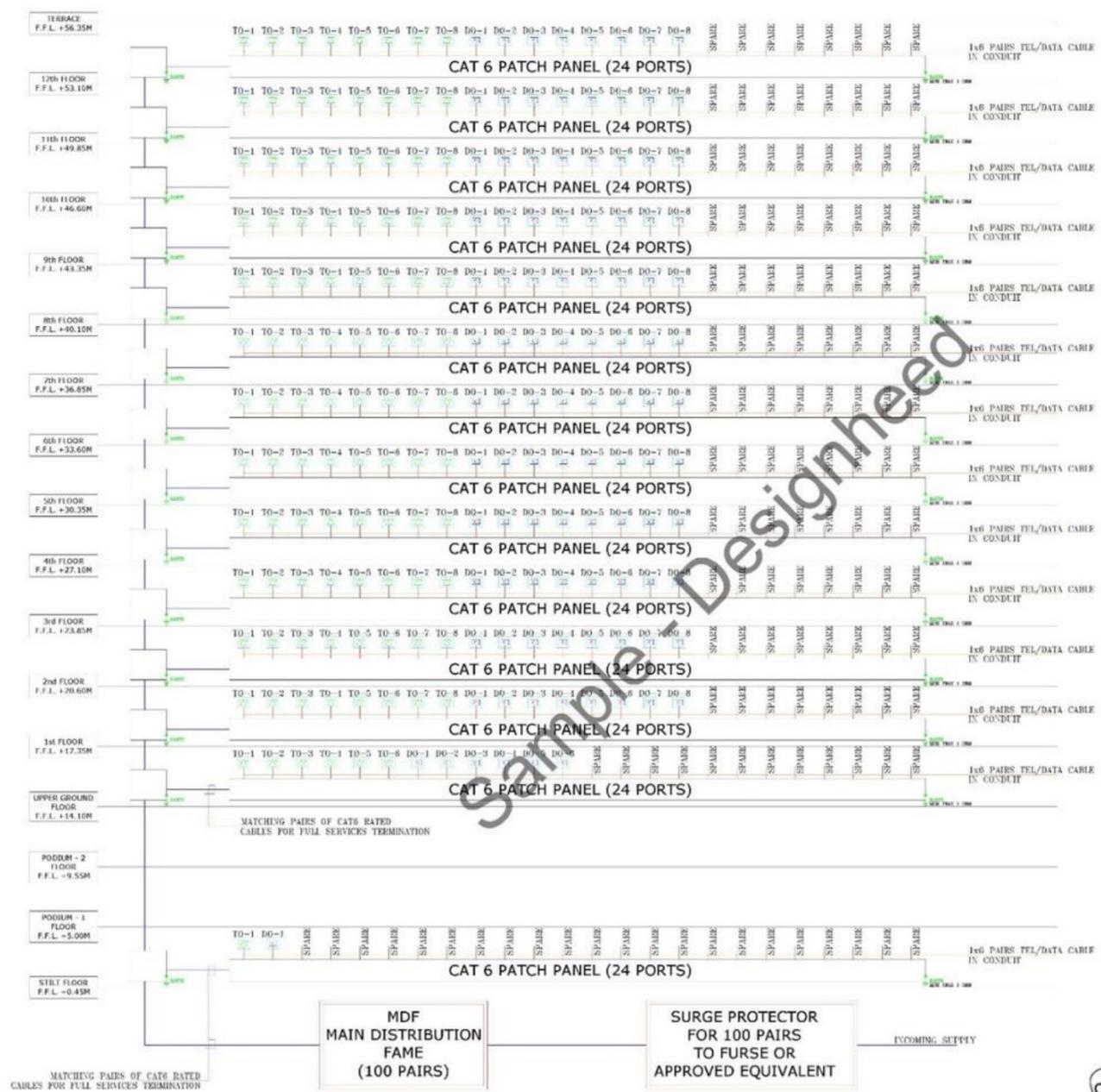
We provided complete architectural and visualization services using Lumion—showcasing realistic exterior and interior views for smooth planning and approvals.

LUMION RENDER INTERIOR 3D VIEWS



**MEP →
Services**





ELECTRICAL DATA & TELEPHONE DISTRIBUTION SCHEMATIC DIAGRAM

OUTLOOK DESIGNHEED
TENDER DRAWING
DATE ISSUING: 28-02-25

Electrical Drawing

Key Highlights

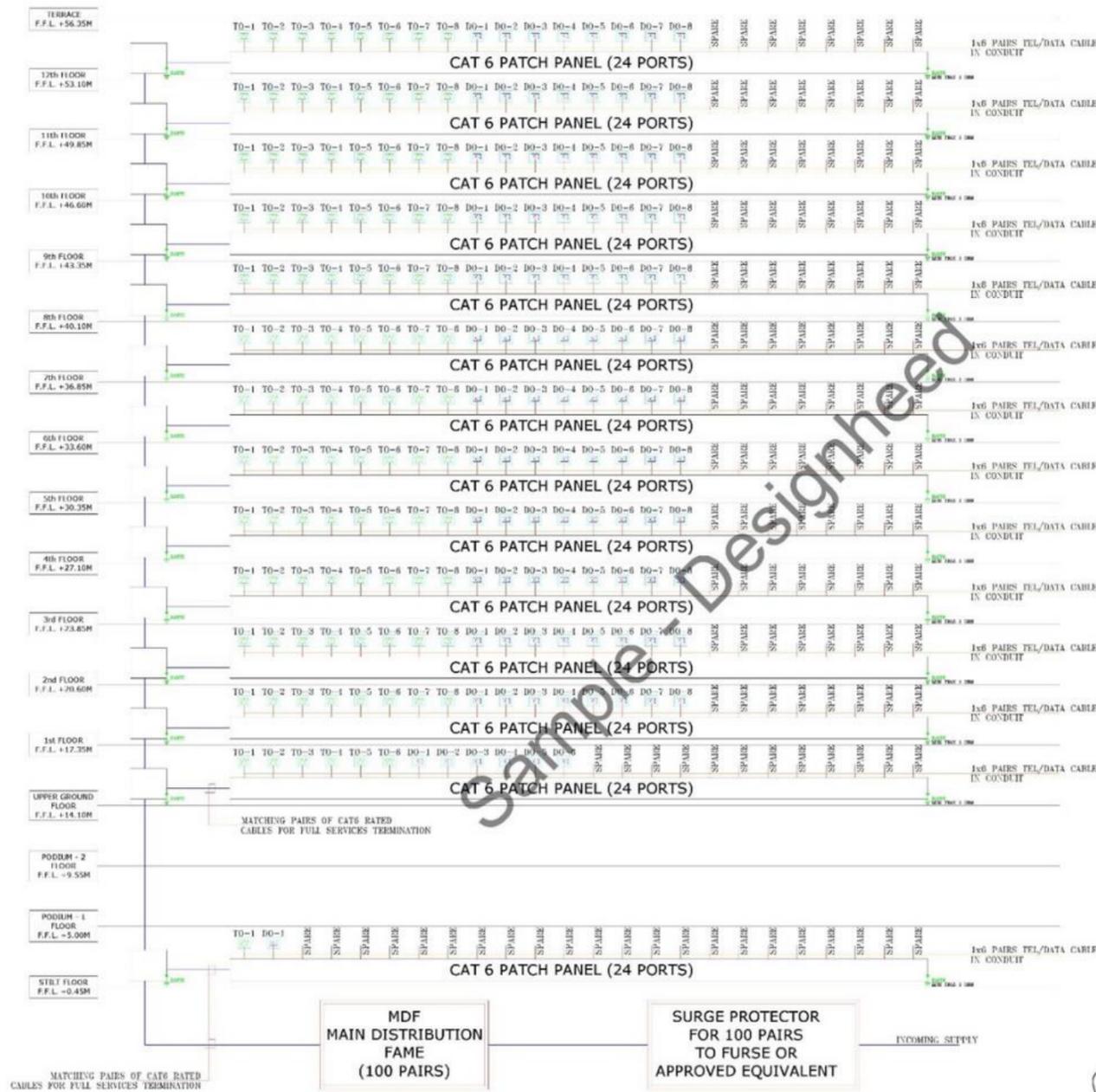
- ✓ **Power supply and distribution** across all floors
- ✓ **Lighting systems, sockets, and backup power**
- ✓ **Safe wiring and load management** for smooth operations

Drainage Drawing

Key Highlights

- ✓ **Water supply and drainage** for kitchens, toilets, and utilities
- ✓ **Pipe layout for hot/cold water and waste removal**
- ✓ **Leak-proof design with** proper slope and flow control





1F5-1.15

NO.	SYMBOL	DESCRIPTION
01	TO	11-400V 20 A
02	DO	50% G.RBT

Fire Fighting System

Key Highlights

- ✓ **Fire alarms**, smoke detectors, and sprinkler layout
- ✓ **Emergency lighting** and exit signage
- ✓ **Designed for quick** response and safety compliance

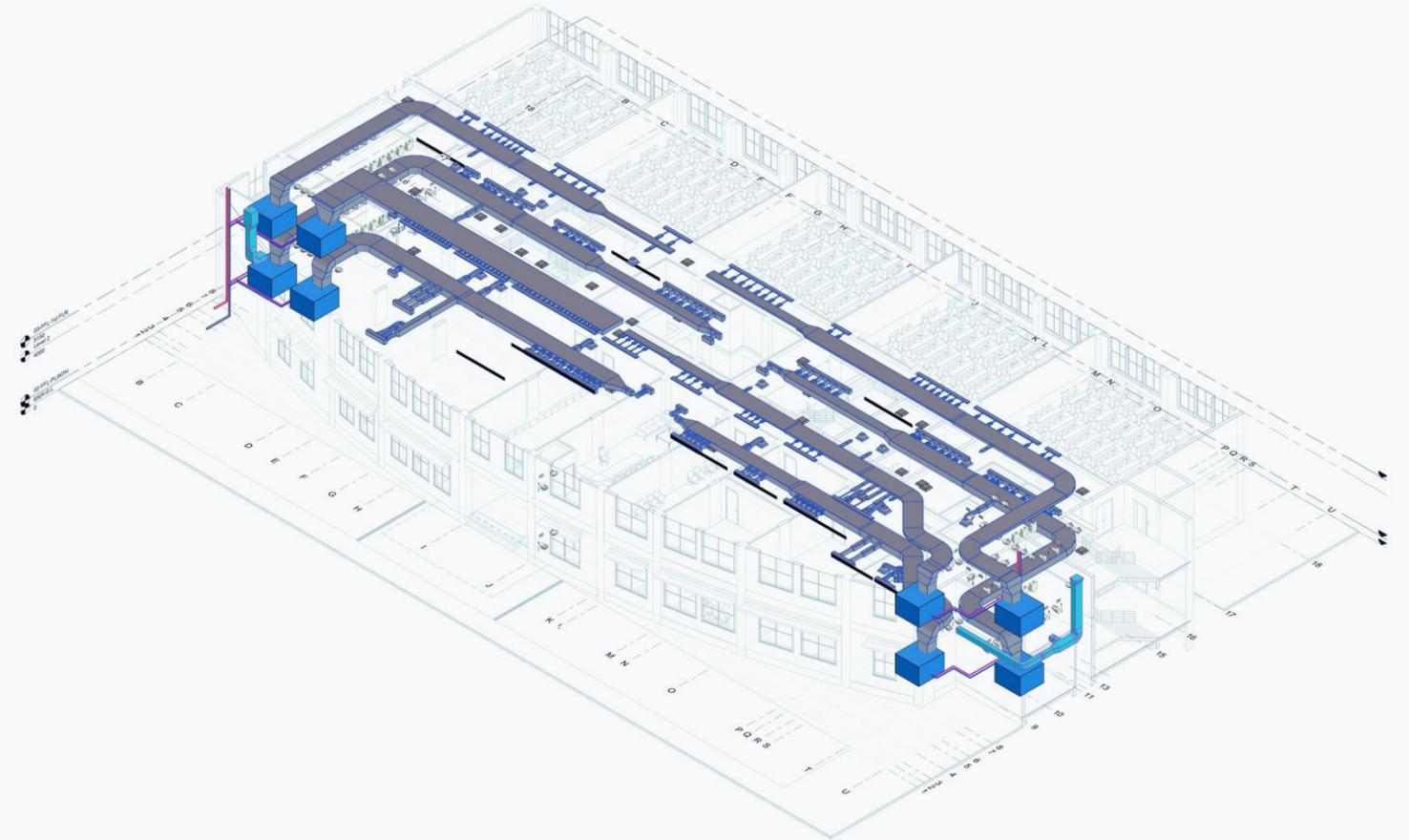
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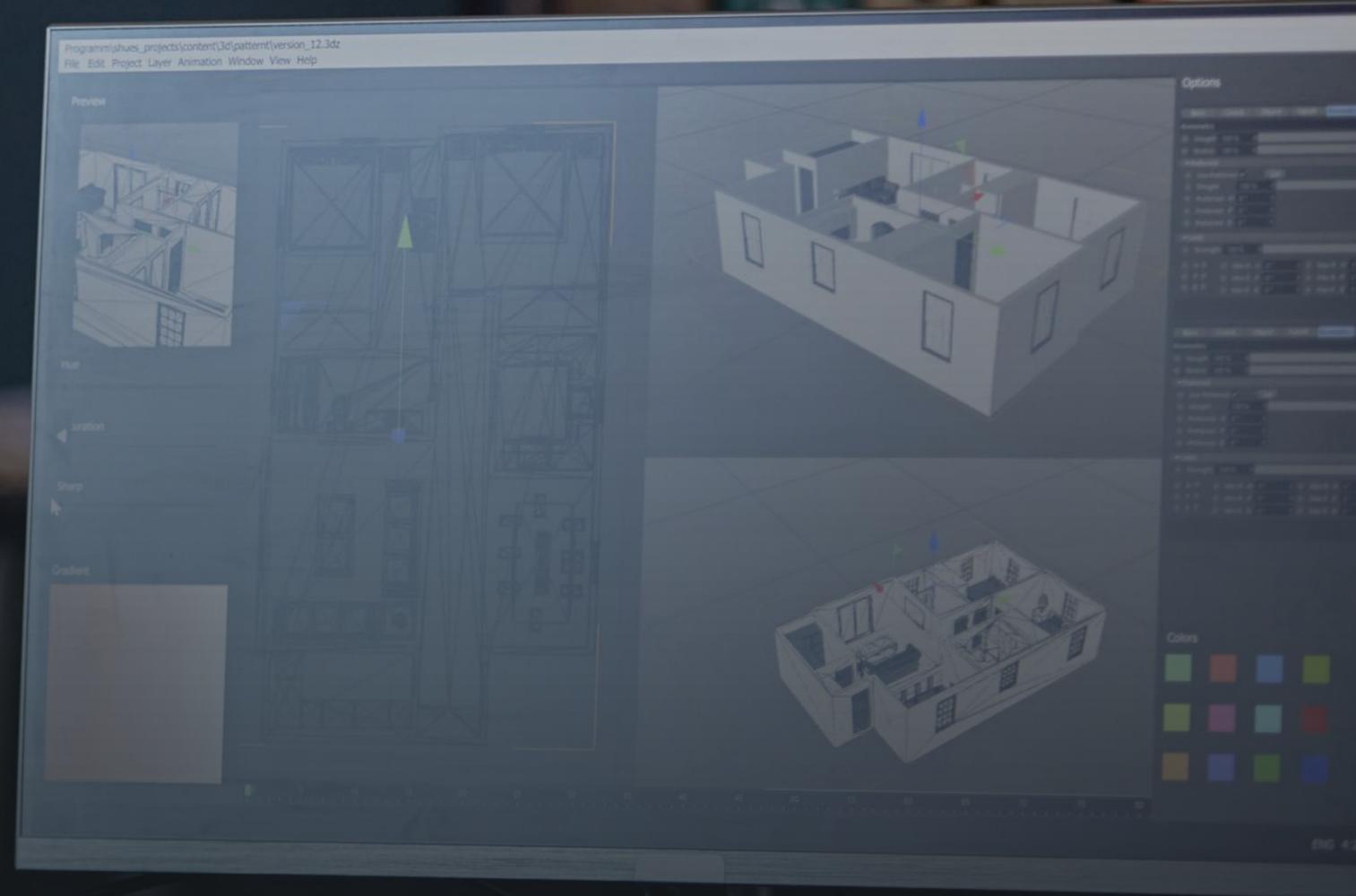
HVAC Drawing

Key Highlights

- ✓ • **AC layout** with ducts, airflow paths, and **diffuser** placement
- ✓ • **Ventilation design** for fresh air, exhaust, and air quality
- ✓ • **Equipment layout** with capacity planning and **insulation** details



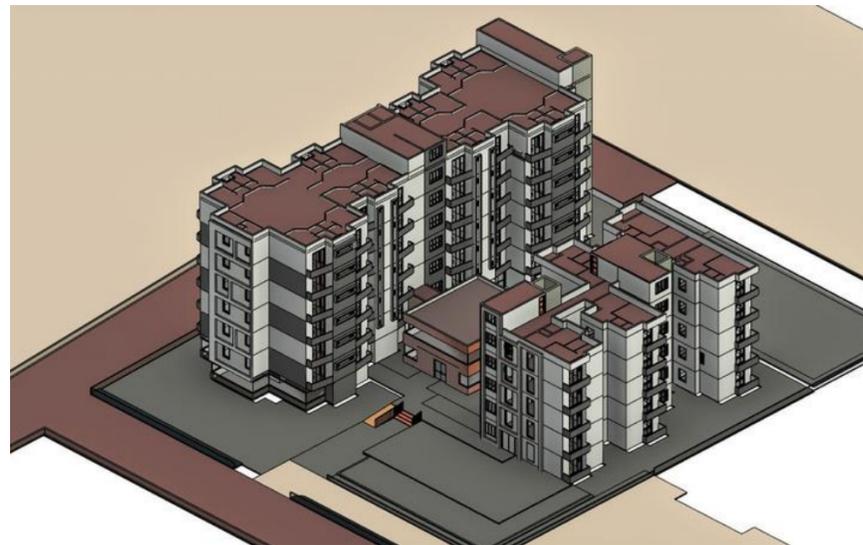
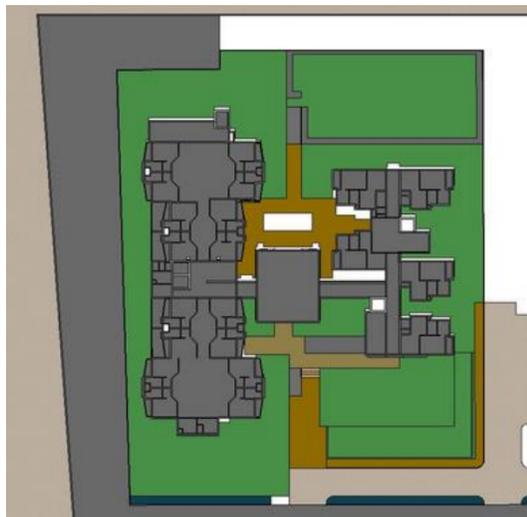
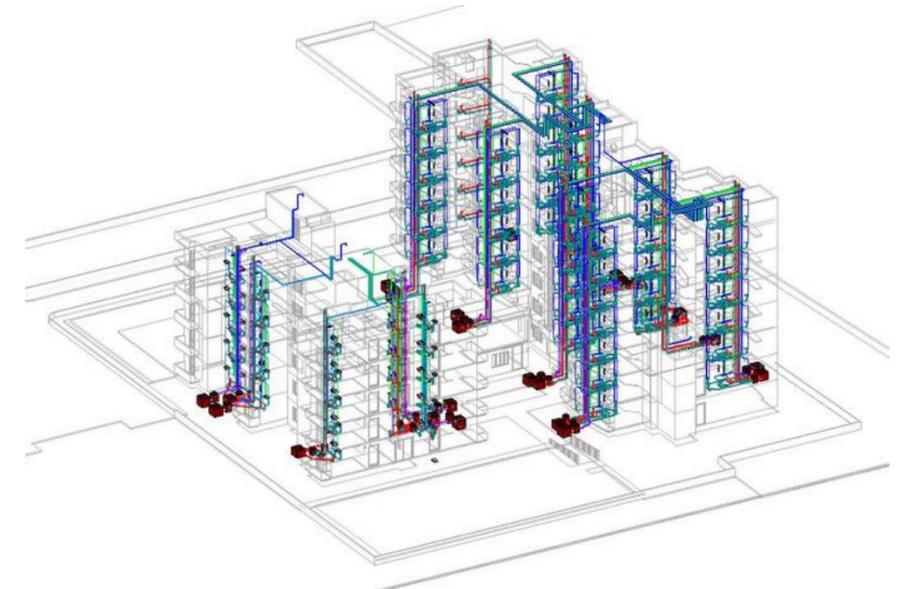
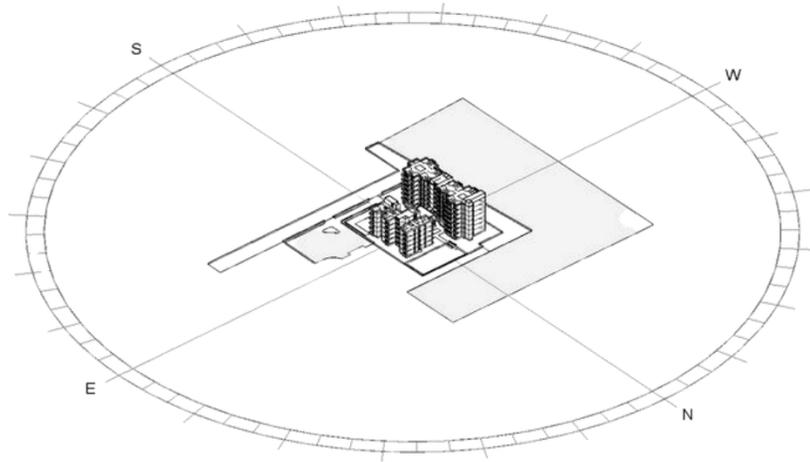
Revit BIM Portfolio →



GAIL - PATA

Complete Revit BIM services for GAIL Pata project

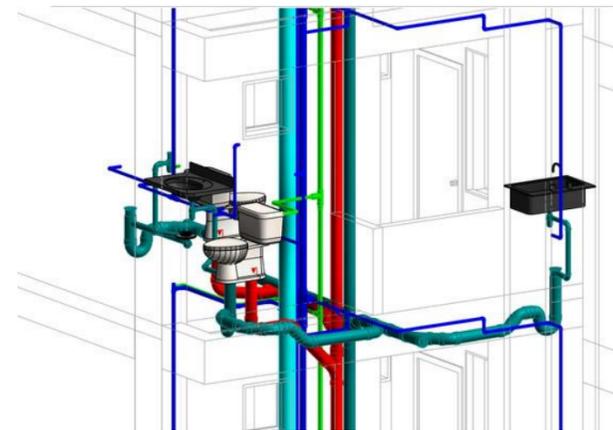
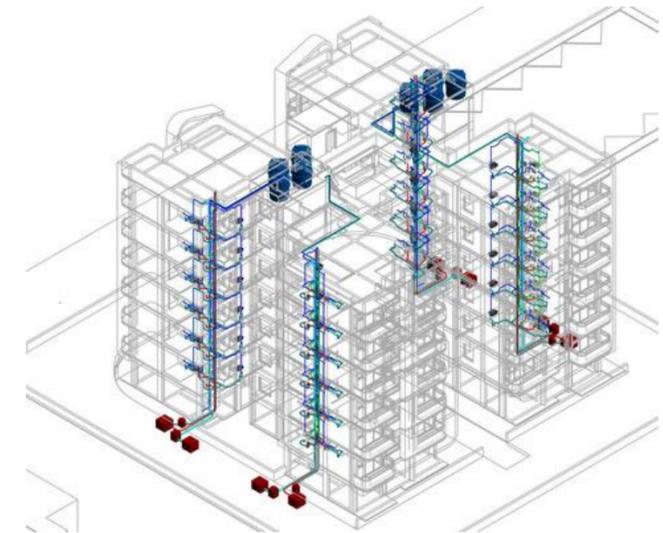
Revit BIM Service



GAIL - BARUCH

BIM-enabled delivery of efficient and safe accommodation

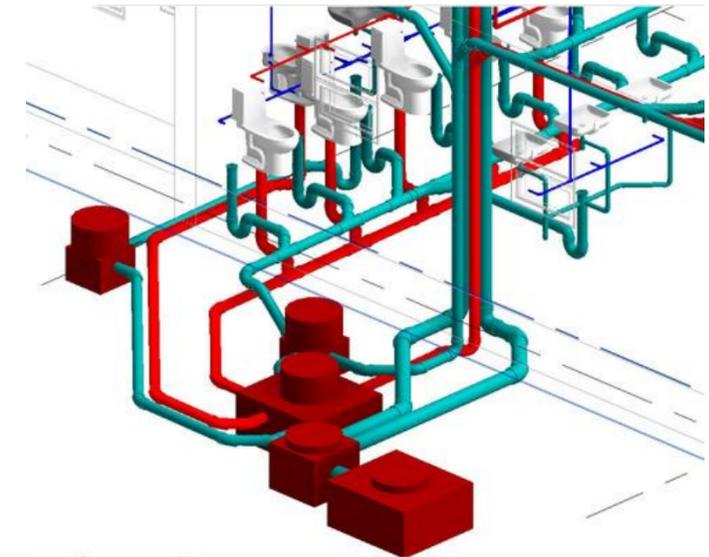
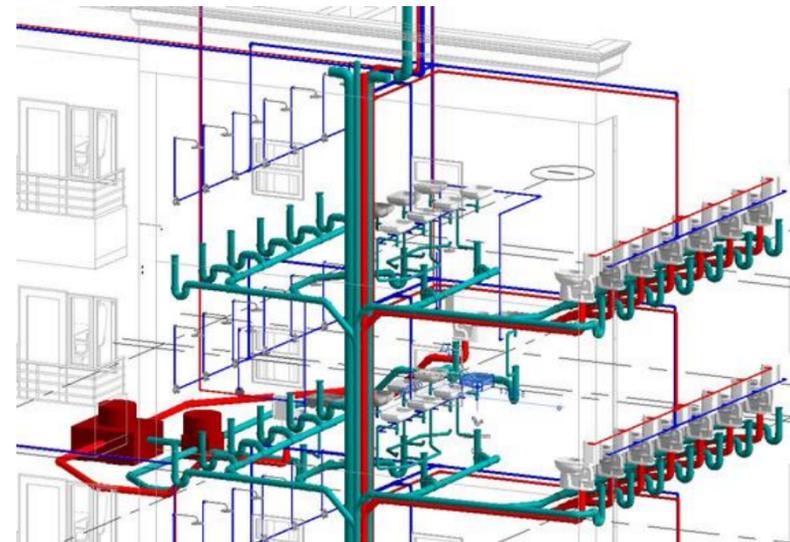
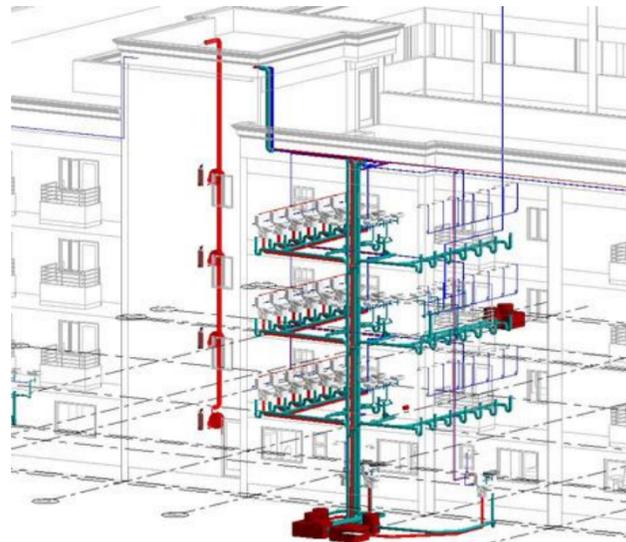
Revit BIM Service



FDDI - GIRL HOSTEL

Revit BIM services for ensuring safe and sustainable student living

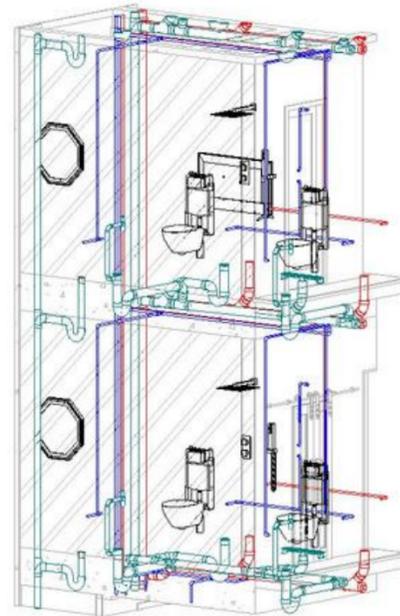
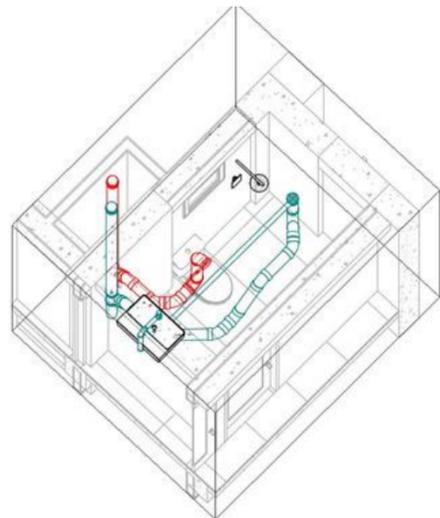
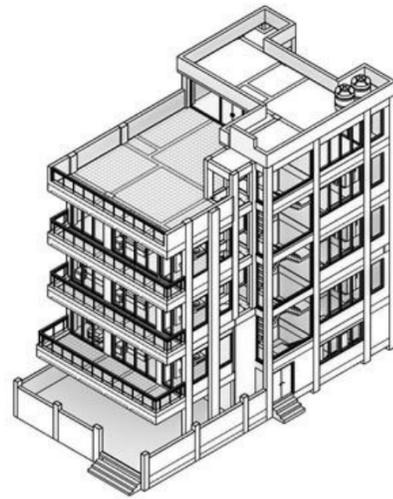
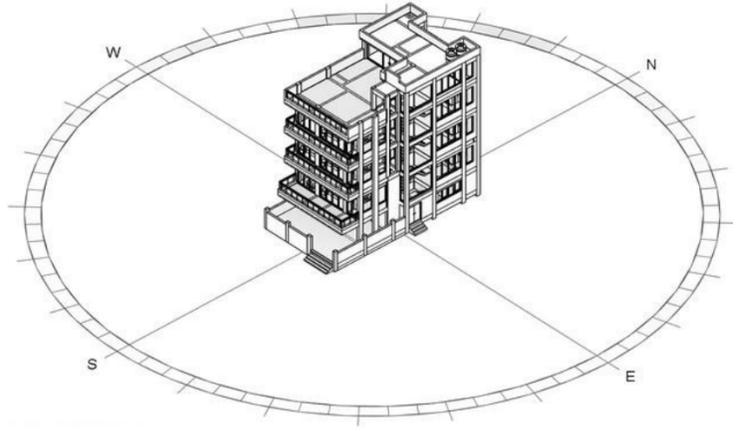
Revit BIM Service



NOIDA RESIDENCE - 71

BIM-driven Residential project delivering modern homes with efficient MEP

Revit BIM Service



A nighttime cityscape featuring several illuminated skyscrapers and a prominent cable-stayed bridge with a tall pylon and numerous stay cables. The bridge spans across a body of water, and its reflection is visible. The city lights create a vibrant, glowing effect against the dark sky. The text 'International Project Portfolio' is overlaid in white, with a blue arrow pointing to the right.

International Project Portfolio →

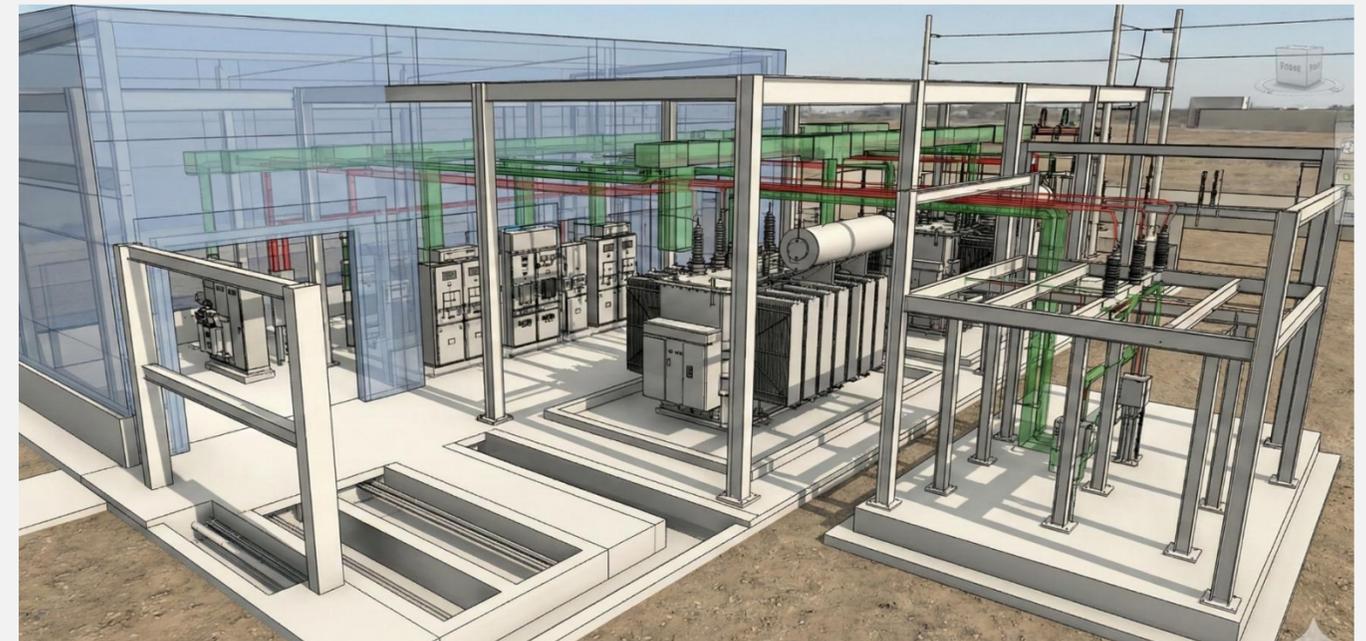
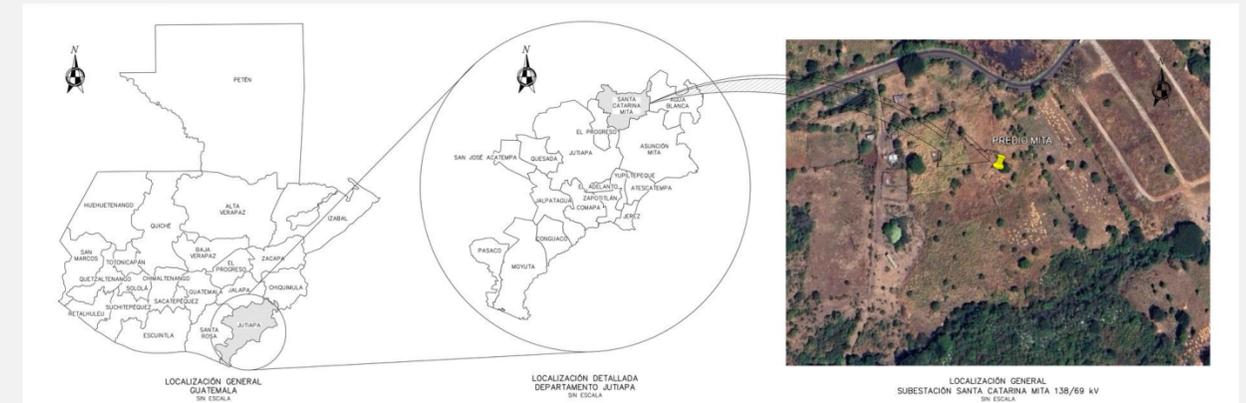
Structural BIM Modeling – Electrical Substations, Spain

Delivering clash-free, ISO-compliant BIM solutions for complex electrical infrastructure projects.

→ **Project Name:** Electrical Substations
Location: Spain

→ **Scope of work**

- Clash-free structural model in Revit 2023 (LOD 350)
- Coordination of Structural, Architectural & MEP drawings
- Modeling of columns, beams, braces, walls, slabs, footings, openings, and embedded items
- Connection details, clash detection, and resolution (Revit / Navisworks)
- QA/QC per BIM standards
- Documentation: GA plans, sections, elevations, details, legends & notes

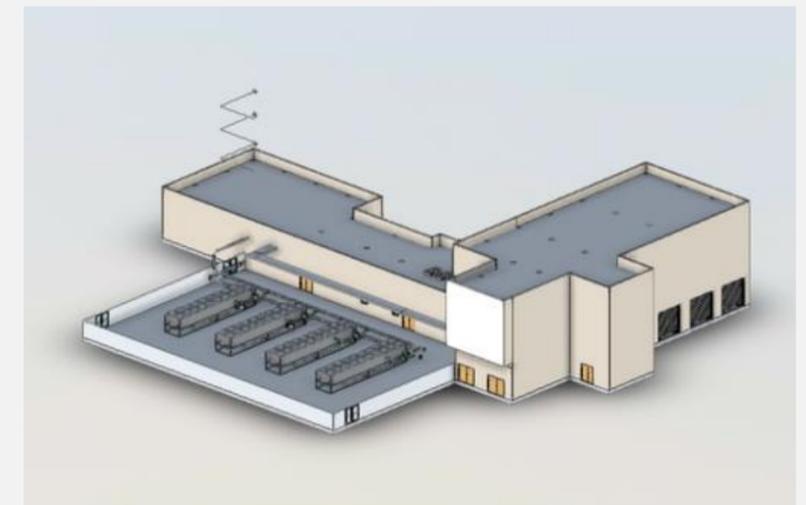
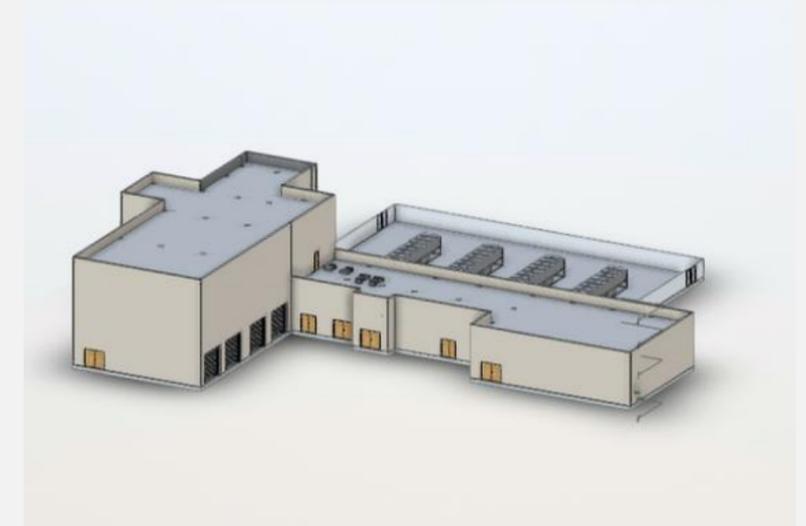
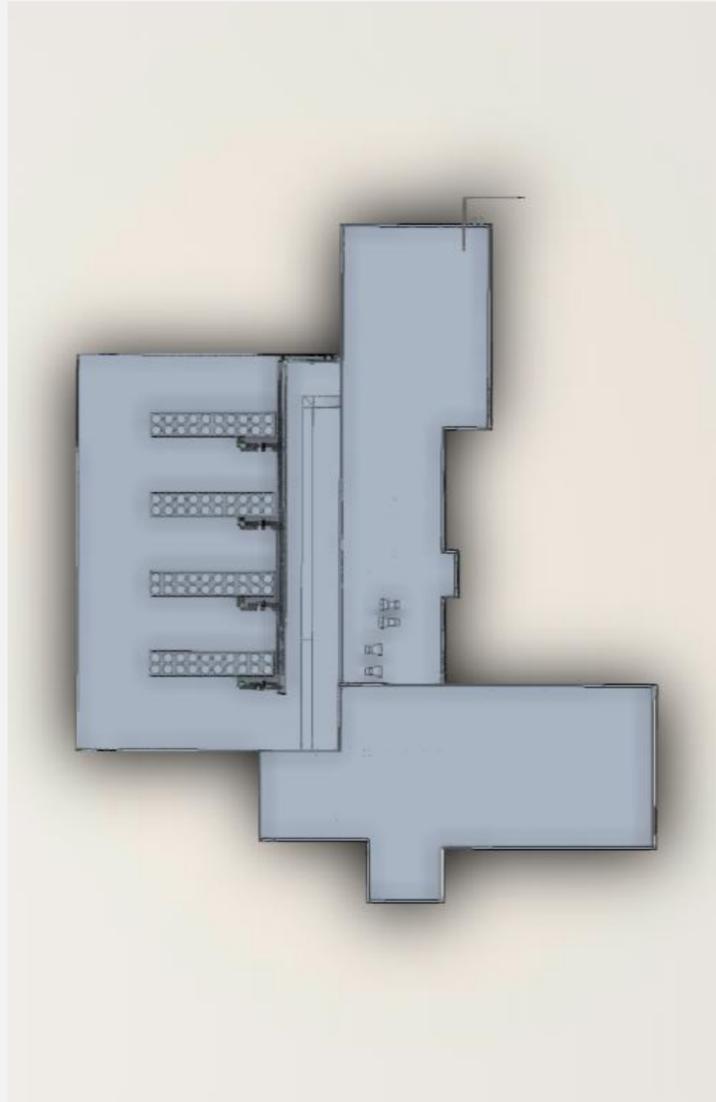


ITL, Saudi Arabia

(International Technology Limited)

Technical Scope

Category	Details
Software Used	Revit (modeling), Navisworks (coordination & clash detection)
Level of Detail	LOD 300 for construction-ready models
Deliverables	Plans, sections, elevations, 3D views, MEP layouts, schedules
Coordination	Integrated MEP, structural, and civil coordination
Standards	Adhered to client-specific BIM templates and naming conventions
Submission	Revit, Navisworks (NWD), and PDF formats



Delivered 3D BIM Modeling for Architectural, Structural, and MEP systems for this international project.

Maatvoeren, Netherlands

Successfully delivered as-built 2D CAD drawings and LOD 300–350 Revit model of the building exterior, converting laser scan data into construction-ready documentation.

Point Cloud to
CAD & Revit
Conversion



Key Deliverables



2D DWG Outputs:



Ground, First, Second floor plans, façade elevations, entrance staircase & cross-sections

3D Revit Model:



Exterior shell, walls, doors, windows, roof; point cloud-based accurate geometry

Coordination & Standards:



Integrated workflow using Revit, Navisworks, AutoCAD; clash-free outputs; adherence to US/Middle East/Canada BIM standards

Documentation:



Construction-ready sheets, schedules, and PDFs

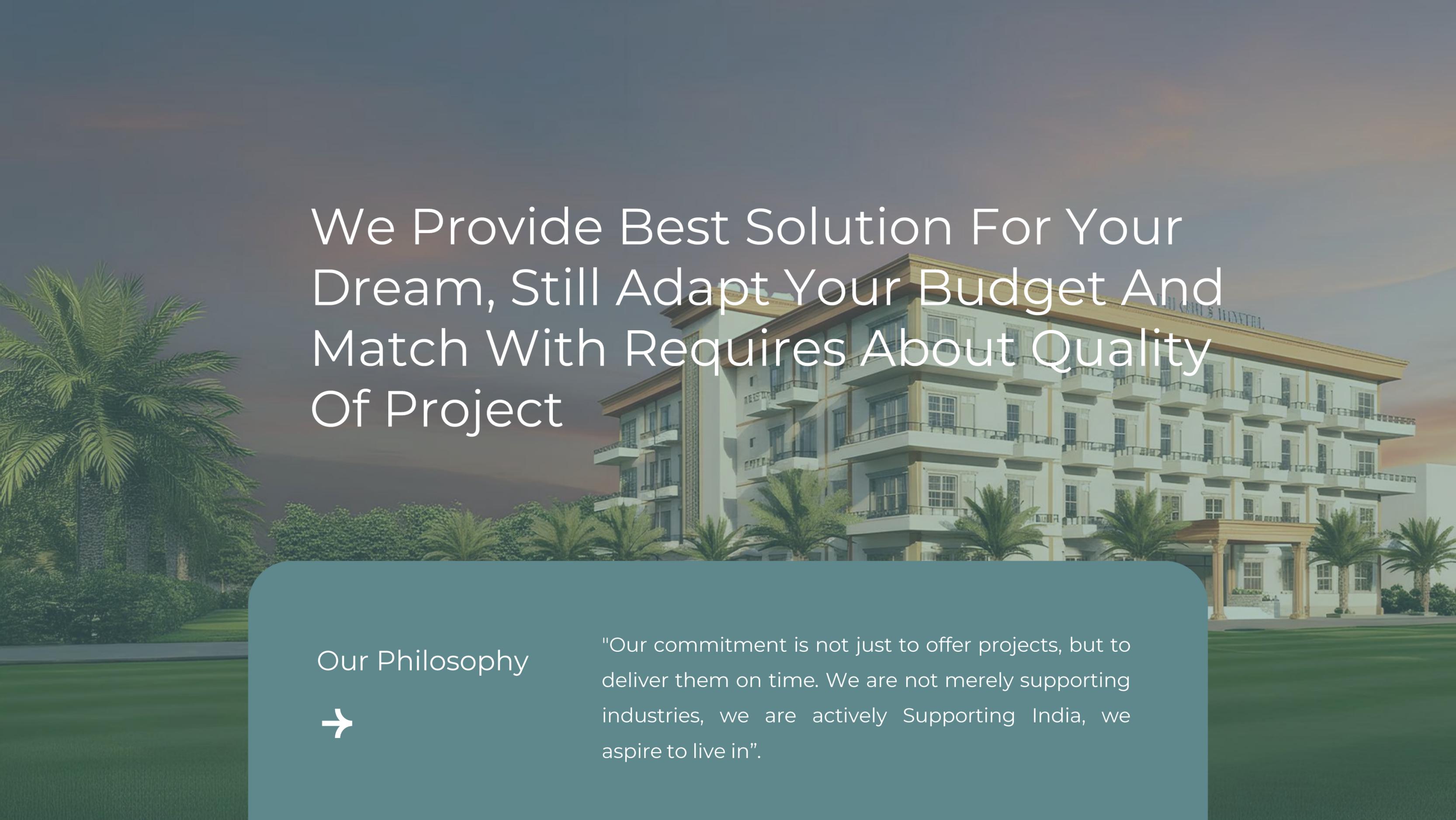




Budgeting And Cost Estimation →

Budgeting And Cost Estimation

Category	Scope of Services	Delivery Approach	Pricing
Architecture	<ul style="list-style-type: none">• Design development, GFC drawings, BOQs• Site planning, zoning, material boards• Daylight analysis, renders, client reviews	Digital drawings, client markups, virtual meetings	Project-based
BIM	<ul style="list-style-type: none">• LOD 100–500 modeling (Arch, Structure, MEP)• Clash detection, quantity takeoffs• Scan to BIM, 4D–7D modeling, cloud collaboration	Cloud-based BIM coordination, fully remote	Project-based
Engineering	<ul style="list-style-type: none">• Structural & façade design• Rebar detailing, envelope optimization• Wind, seismic, and thermal studies	Remote design & documentation using digital site data	Project-based
MEP	<ul style="list-style-type: none">• HVAC, electrical, plumbing, fire systems• Load/lux/pump calculations, riser diagrams• BIM coordination, energy modeling	Remote design & modeling; on-site only for testing & commissioning	Project-based

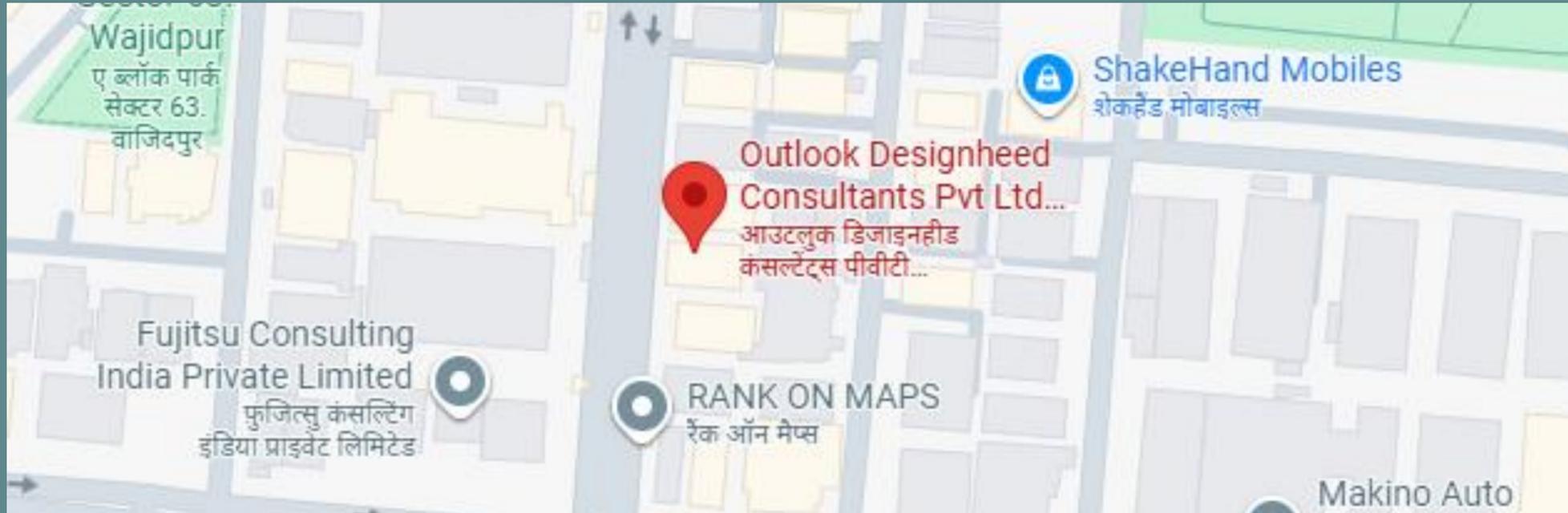


We Provide Best Solution For Your Dream, Still Adapt Your Budget And Match With Requires About Quality Of Project

Our Philosophy



"Our commitment is not just to offer projects, but to deliver them on time. We are not merely supporting industries, we are actively Supporting India, we aspire to live in".



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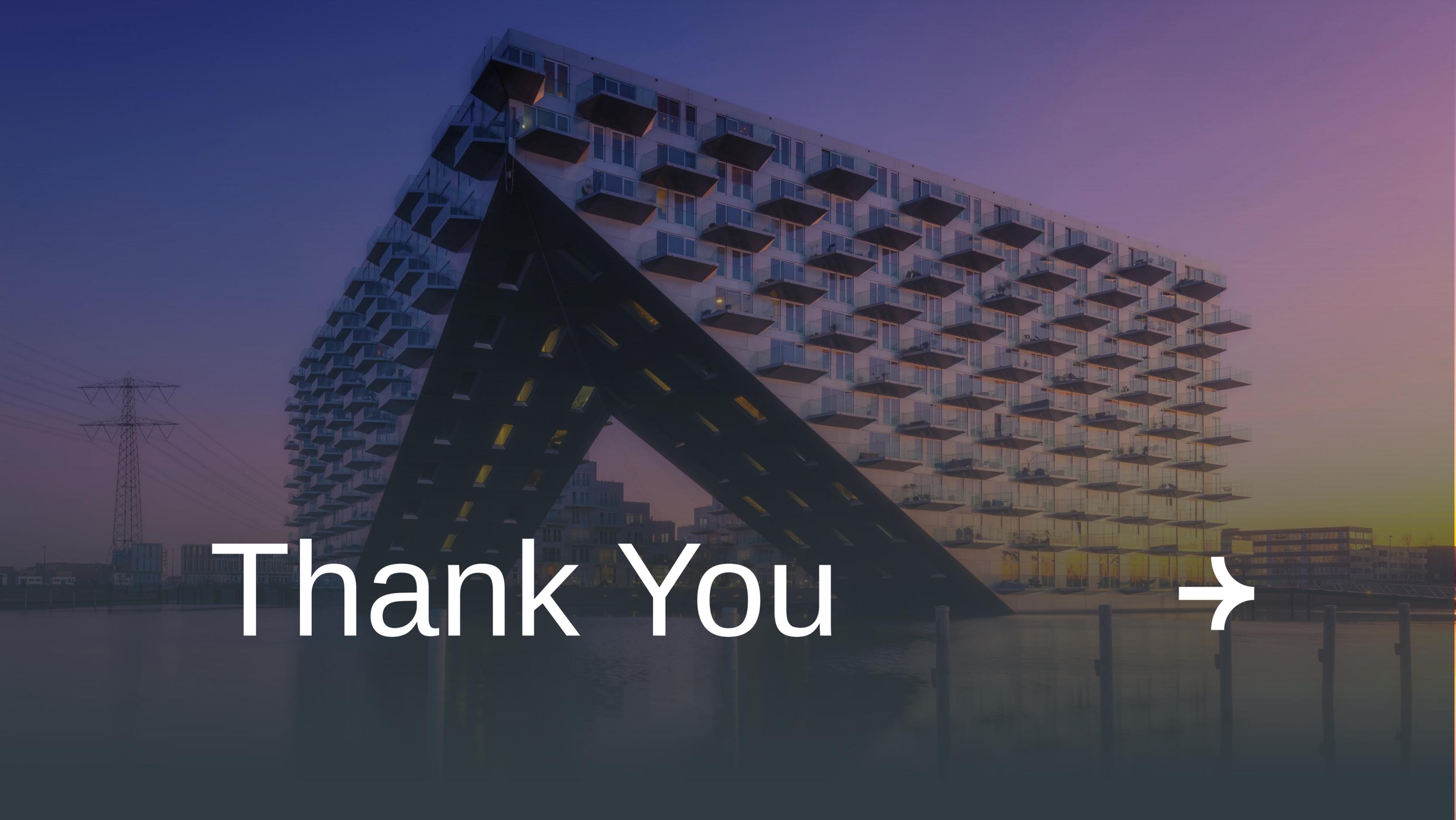
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info@designheed.com



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Sector 63, Noida,
Uttar Pradesh 201301



Thank You

