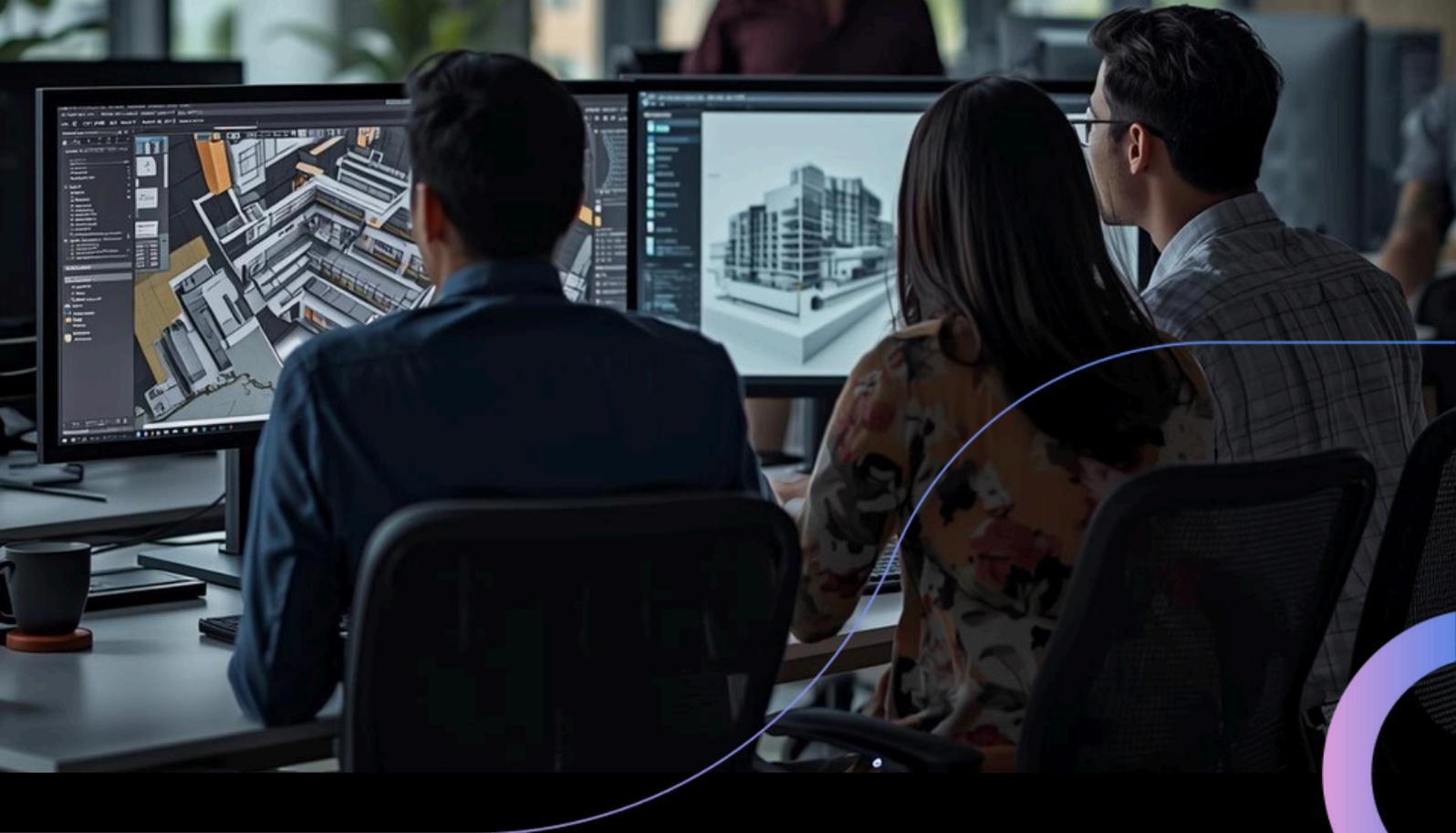


Empowering **Construction Excellence**



Architectural, Structural & MEPF Design | Scan to BIM (Point Cloud Conversion)
| Project Management Support | 3D BIM Modelling & Coordination
| Construction Documentation & As-Built Drawings



About Us

Horizon360 is a leading provider of advanced design and Building Information Modelling (BIM) solutions for the Architecture, Engineering, and Construction (AEC) industry. We specialize in delivering high-precision CAD drawings, photorealistic 3D renderings, and comprehensive BIM services using cutting-edge platforms such as 3Ds Max, Lumion, Revit, and AutoCAD.

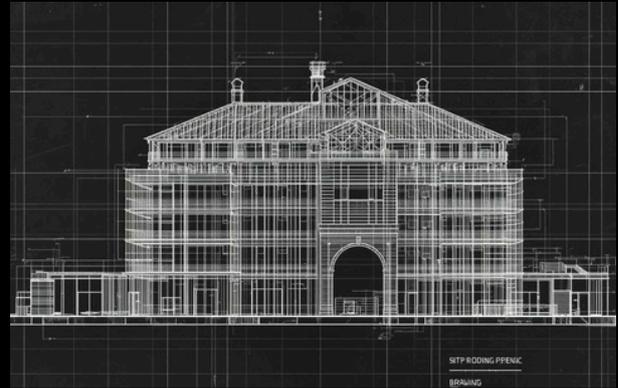
With a headquarters in India and a proven track record across the Middle East, Europe, and North America, Horizon360 partners with clients worldwide to transform ideas into reality. Our multidisciplinary team combines deep technical expertise with creative vision, ensuring every project meets the highest standards of accuracy, efficiency, and visual excellence.

We are adept at adapting to regional standards and client-specific workflows, offering tailored solutions that span architectural design, structural engineering, MEPF (Mechanical, Electrical, Plumbing, and Fire Protection), ELV (Extra-Low Voltage), landscaping, and project management. Our portfolio includes successful collaborations on complex projects in the UAE, Saudi Arabia, the UK, the US, New Zealand, and beyond.

At Horizon360, innovation, reliability, and quality are at the core of everything we do. Whether delivering detailed shop drawings, immersive 3D visualizations, or lifecycle-centric BIM implementations, we empower our clients to achieve their project goals with confidence and clarity.

Our Core Services

- **BIM Solutions**
- **Architectural Design**
- **Structural Design**
- **MEPF**
- **ELV**
- **Landscaping**
- **CAD Detailing**
- **3D Visualization**
- **Interior Design**
- **Project Management**



BIM Solutions

- High-Detail Geometric Modelling
- Intelligent Data Integration
- Interdisciplinary Link Management
- Coordination & Clash Resolution
- Automated Scheduling & Quantities
- Issue Tracking & Resolution Workflow
- Sheet Composition & Drafting
- Construction Documentation & Shop Drawings
- Communication & Common Data Environment (CDE)
- 4D (Scheduling) & 5D (Costing) Simulation

Architectural Services

- High-LOD Modelling (LOD 100-500)
- Parametric Revit Family Creation
- Construction Documentation Scan-to-BIM & Reality Capture Interior, Landscape & Millwork BIM
- Automated Clash Detection 4D Scheduling & 5D Cost Estimation
- BIM Implementation & Standards

Structural Design

- Advanced analysis and technical design for structural integrity
- Structural design and analysis of steel structures and RCC structures
- Fabrication drawing generation
- Equipment/custom component modelling
- Preparation of detailed bill of materials (BOM) for structural steel and RCC works.
- Detailed Design, Drawings, and Calculation Reports

MEPF

- Design & Pre-Construction Services.
- Mechanical: HVAC, ductwork, and ventilation modelling with airflow analysis.
- Electrical: Power distribution, lighting, and fire alarms routed in 3D.
- Plumbing: Water supply, drainage, and fixtures with precise sizing.
- Fire Protection: Sprinklers, suppression systems, and escape routes.
- Post-Construction & Facility Management.

ELV

- Security & Surveillance: IP-CCTV, Access Control, and Intrusion Detection.
- Communication Systems: Structured Cabling, IP Telephony, and PA/BGM.
- Building Automation: Smart Lighting and Integrated BMS.
- Data & Networking: IT Infrastructure, Wi-Fi, and Fiber Optics

Landscaping

- Site Planning
- Aesthetic Design
- Functional Layout
- Environmental Consideration
- Integration with Architecture
- Sustainability

CAD Services

- 2D Drafting & Detailing
- Technical Shop Drawings
- As-Built Documentation
- Site Plan Preparation
- Permit Drawings
- BIM to CAD Export

3D Visualization

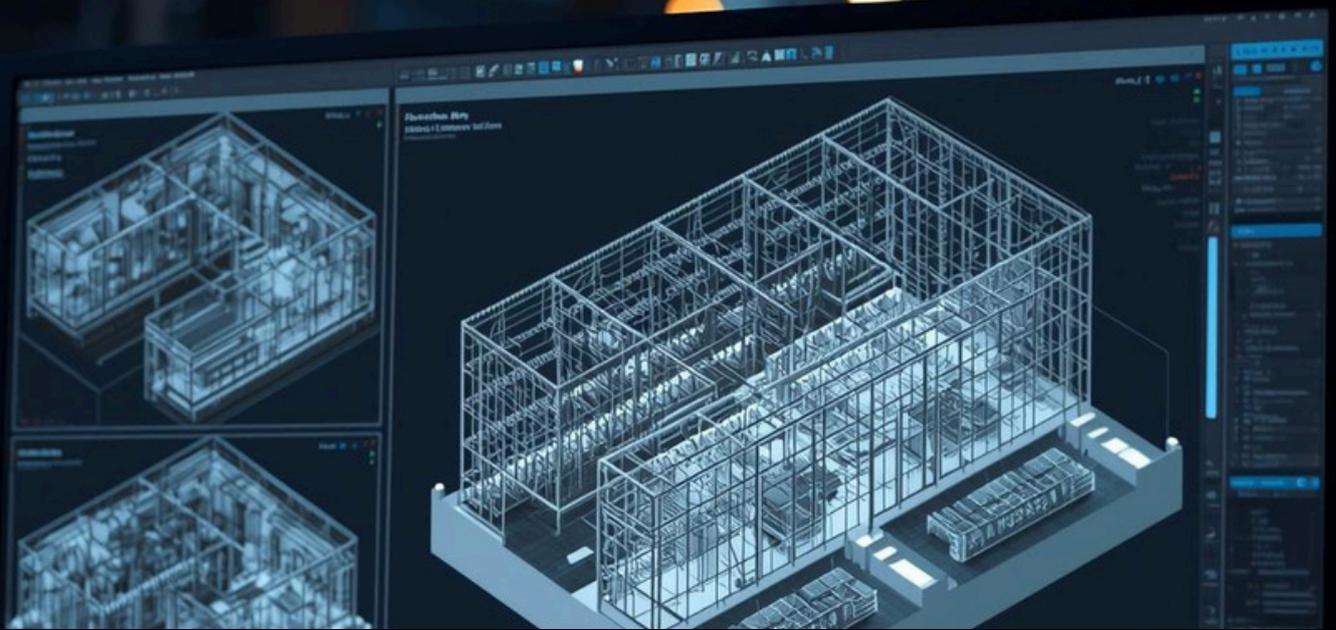
- Conceptual Representation
- Material & Texture Application
- Photorealistic Rendering & Real-Time Collaboration.
- Animation & Walkthroughs

Interior Design

- Space Planning
- Colour & Material Selection
- Furniture & Fixtures
- Lighting Design
- Decor & Accessories
- Ergonomics & Functionality
- Style & Theme Integration

Project Management

- Quantity And Cost Estimation
- 4d/5d Simulation
- Construction Sequencing
- Construction Schedule Through MSP/Primavera
- Planning & Scheduling
- Resource Management
- Communication & Coordination
- Monitoring & Control
- Documentation & Reporting



A photograph of a modern building with a glass facade, viewed from a perspective looking down a walkway between two wings of the building. The sky is a deep, dark blue, suggesting dusk or dawn. The building's glass reflects the sky and the surrounding environment. The walkway is made of dark, textured material, possibly wood or stone, and leads towards the center of the frame.

Architectural & Structural **BIM** Services

Transforming complex architectural visions into buildable structural realities through fully integrated design-to-execution BIM workflows.

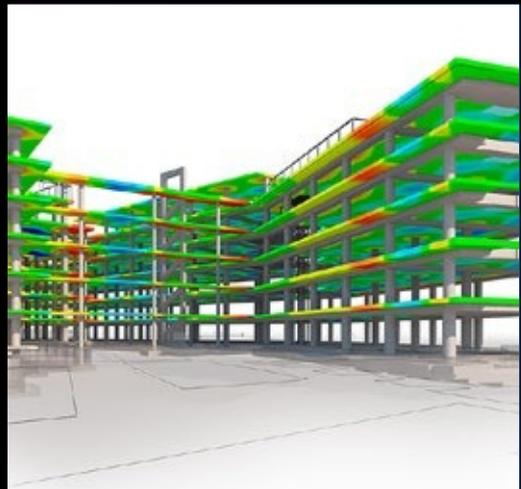
Architecture & Interior:

- Modelling from schematic design to detailed documentation
- Options management; custom parametric families
- RCPs, finishes, furniture setting-out, and as-built updates
- Quantities for bids/procurement; integrated coordination with MEPF & structure



Concrete & Precast (Cast-in-situ/ Precast):

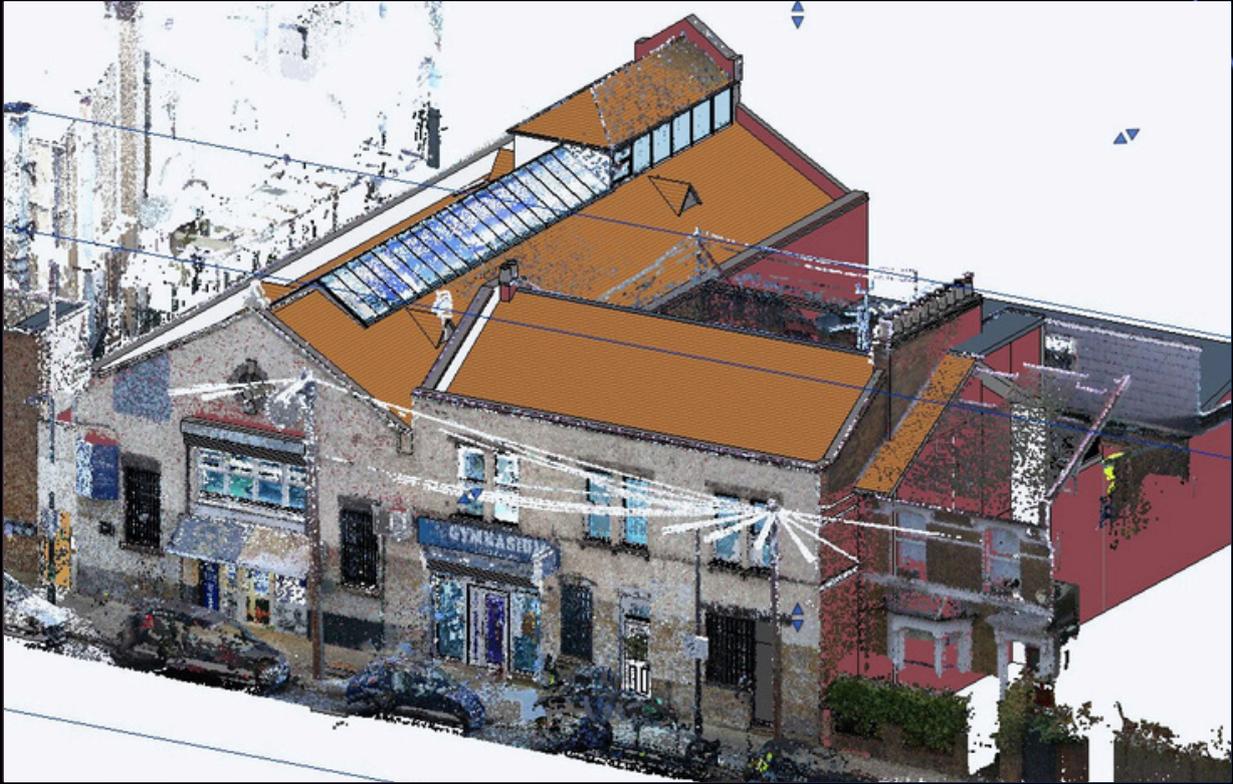
- RCC/Steel 3D models, rebar & precast detailing
- Concrete/precast/rebar shop drawings and BBS (bar bending schedules)
- Structural design validation and value engineering



Structural Steel:

- LOD 400 models with connection detailing
- Fabrication drawings and CNC-ready NC files
- Clash checks with services; 4D/5D animations for bids/construction





Scan to BIM

High-fidelity as-built modelling from 3D laser-scanned point clouds for buildings and industrial plants.

laser-scanned point

Deliverables:

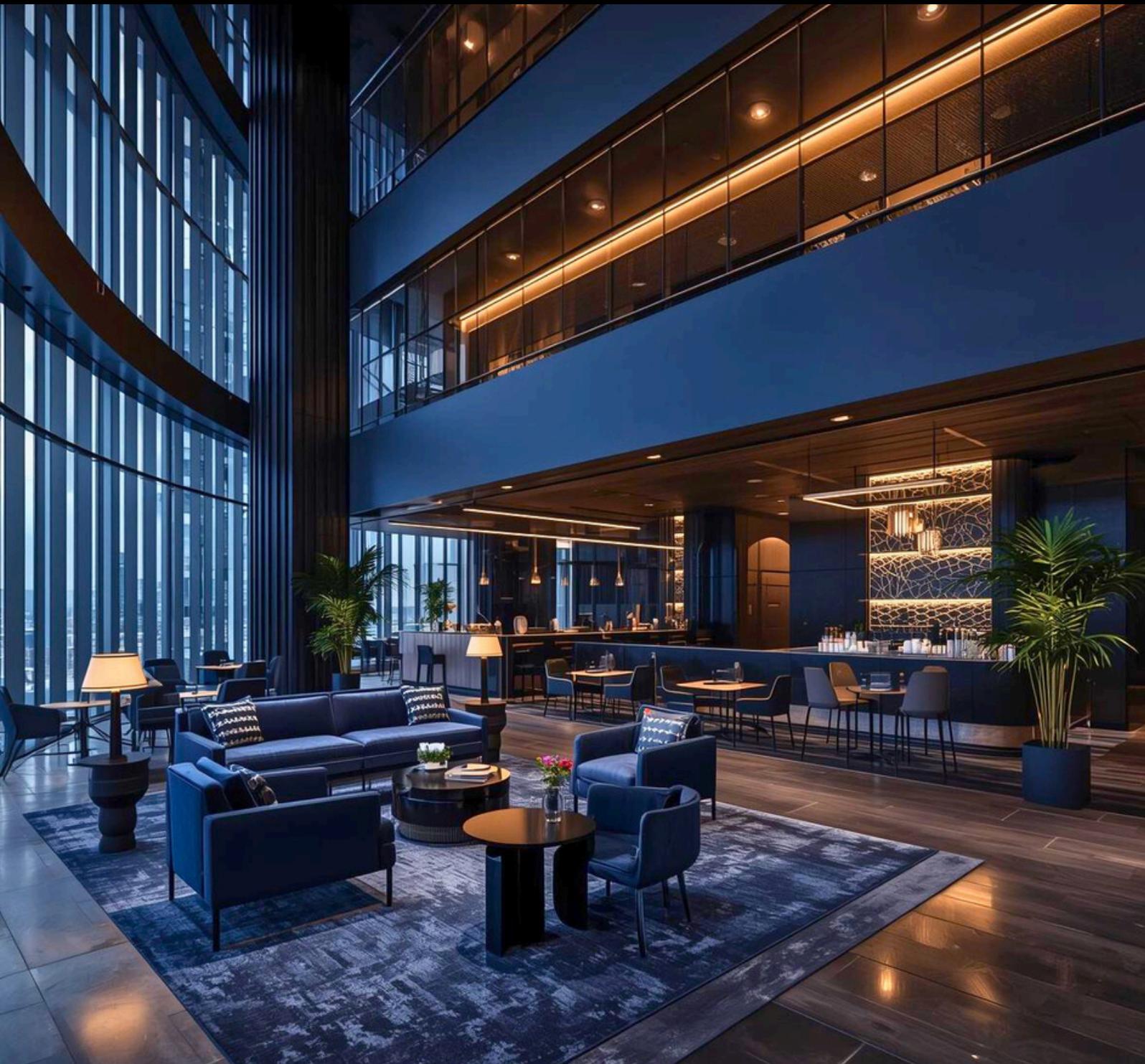
- LOD 500 field-verified BIM models
- Point cloud and model walkthroughs
- As-built drawings and quantity take-offs
- 4D demolition sequencing
- Digital preservation models, animations, gaming simulations
- Design & analysis packages; 6D BIM (FM) datasets

Industrial Digitization:

- Plants converted to precise 3D digital twins for retrofits, capacity upgrades, and verification

Photorealistic 3D Rendering

We transform concepts into immersive visual experiences using 3Ds Max, Lumion, SketchUp, and Revit. Horizon360 delivers high-fidelity exterior and interior renderings that capture lighting, textures, and materials with stunning realism—perfect for design validation and global marketing.



Infrastructural BIM

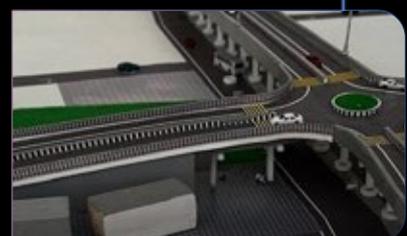
End-to-end BIM for roads, bridges, tunnels, and utilities—integrated with geo-coordination and quantity management.

Core Workflow:

- Existing terrain integration; design development & modelling
- Clash detection and multidisciplinary coordination
- Design review/visualization; quantity estimation
- 4D/5D construction simulation; record models for O&M

Specializations:

- **Bridge modelling:**
viaducts, flyovers, reinforced concrete & rebar BBS
- **Roads & utilities:**
gravity (sewage/stormwater) and pressure (FF/potable/recycled); coordinated shop drawings
- **Tunnels:**
metro/road/waterways; complex geometry via visual programming
- **Design validation:**
laser scans, drones, GIS imagery; urban-scale geo-coordination



BIM Consulting Services

Our expert consultancy bridges the gap between design and digital execution. We empower stakeholders through:



Strategic Planning: Development of custom BIM Execution Plans (BEP) tailored to project goals.

Collaborative Management: Leading BIM coordination, design reviews, and value engineering workshops.

Quality Assurance: Rigorous model auditing and the establishment of standardized family management protocols.

Owner Support: Serving as a dedicated Technology Support Office to enhance developer operations.

Advanced Integration: Merging BIM with VR, Lean Construction, Laser Scanning, and Automated Facility Management.

Digital Ecosystems: Setting up Common Data Environments (CDE) for seamless cloud collaboration and automated workflows.

Project Controls: Leveraging 4D (Scheduling) and 5D (Estimating) simulations for precise construction tracking.



Mechanical,
Electrical, Plumbing,
and Fire Protection
(MEPF)

**BIM
SERVICES**

We support consultants,
contractors, and specialist
trades with detailed
design-to-execution BIM

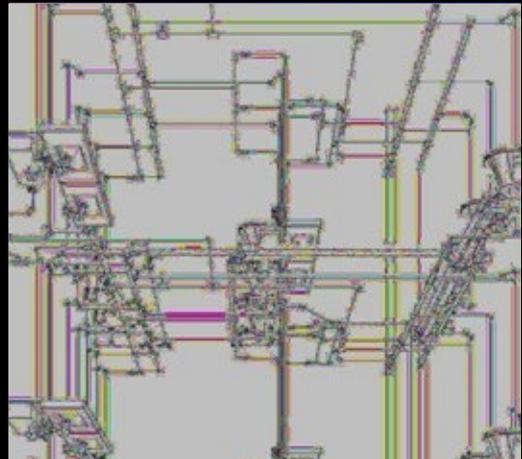
Design & Analysis:

- Heat/cooling loads, pressure drop, ESP, and pipe sizing
- Design validation and value engineering aligned to BS, EN, ASHRAE, ISO standards



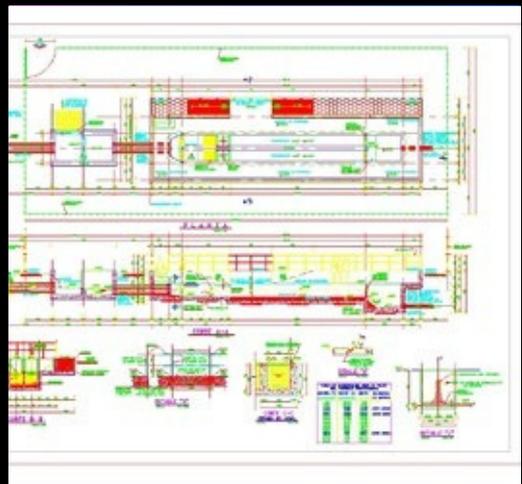
Modelling:

- LOD300/400/500 for MEPF systems
- Custom Revit families; model-based routing optimization
- 3D clash detection and spatial coordination



Drawings & Fabrication:

- Detailed shop drawings, sleeves/penetrations, builder's work
- Spool drawings for industrial piping; pump room layouts & isometrics
- Vendor model development; COBie sheets and asset registers



Our Team

At Horizon360, our success is driven by strong technical expertise and disciplined execution. Our team specializes in modelling, detailing, coordination, and analysis using industry-leading tools, delivering precise solutions across healthcare, commercial, industrial, and infrastructure projects. Through structured planning, clear communication, and a strong commitment to timelines and quality, we ensure reliable, transparent, and efficient project delivery from start to finish.

Global Presence of Horizon360

Horizon360 has established a robust project portfolio across multiple regions, demonstrating our capability to deliver high-quality solutions in diverse environments. Our completed projects span:

- United Arab Emirates (UAE)
- Kingdom of Saudi Arabia (KSA)
- Qatar
- India
- Oman
- United Kingdom (UK)
- United States (US)
- New Zealand



Expertise

- Architectural Designing
- Structural Designing
- Creating intelligent BIM models
- Project Management & Consulting
- Scan to BIM
- Advanced CAD drafting
- Detailing & Documentation
- 3D Modelling Modelling & Visualization
- Proficient in Revit, Navisworks, AutoCAD, Recap, STAAD Pro, SketchUp, V-Ray, Enscape, Lumion, Photoshop, MS 365



Revit



Navisworks



AutoCAD



AUTODESK
ReCap Pro



3ds Max



STAAD.pro



ENSCAPE™



v-ray

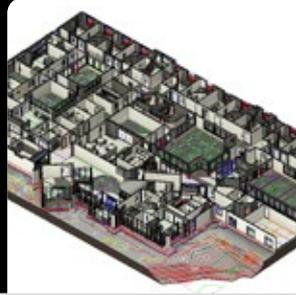
corona



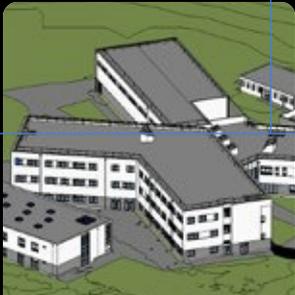
SketchUp

Ps

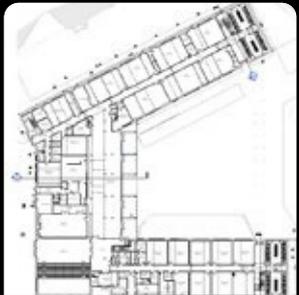
Project Portfolio



MENTAL HEALTH BUILDING, NEW ZEALAND



SCHOOL PROJECT 1, UK



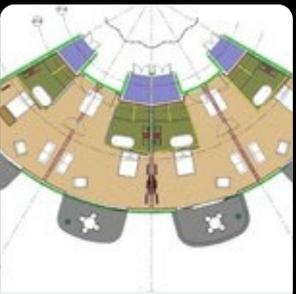
SCHOOL PROJECT 2, UK



RESIDENTIAL BUILDING PROJECT, UK
SCAN TO BIM



HORIZON GYM, UK

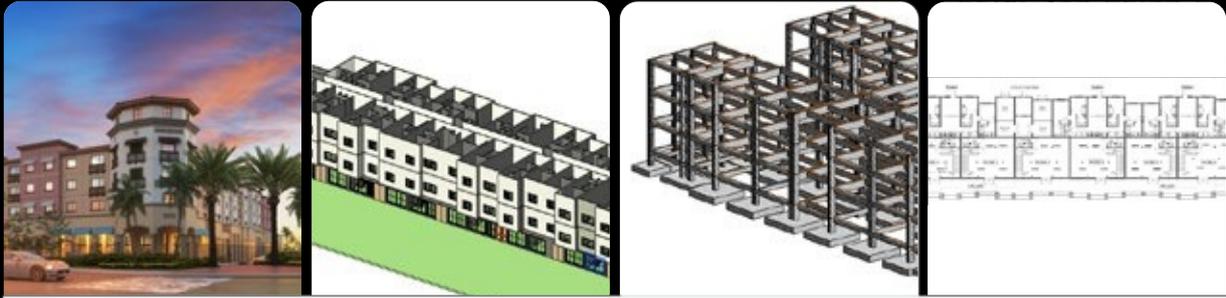


SHURA ISLAND HOTEL CENTRAL
SAUDI ARABIA

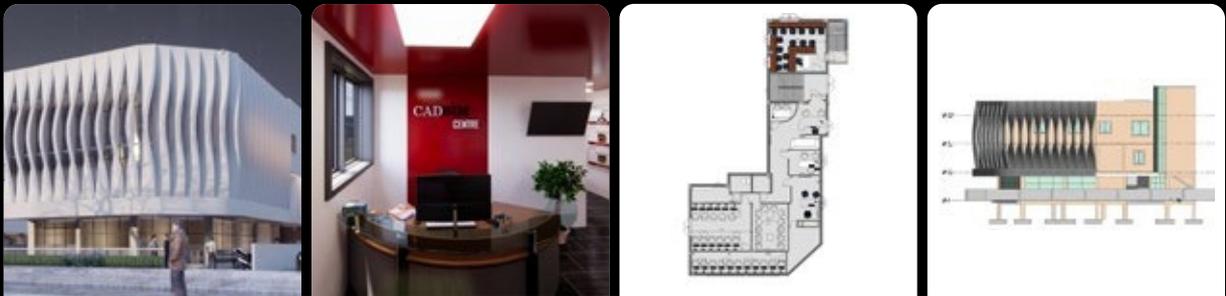


ENVOGUE PROJECT, US

Project Portfolio



DOWN TOWN DAVIE BUILDING 'A', FLORIDA, USA

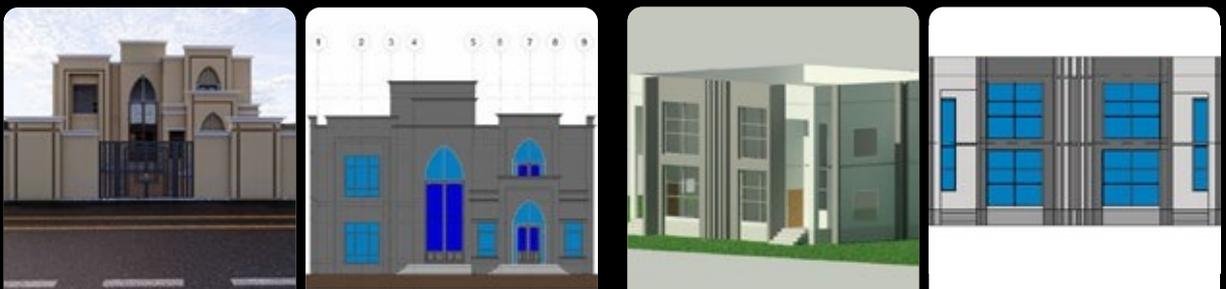


**COMMERCIAL BUILDING,
KERALA, INDIA**



KINDERGARTEN, BENGALURU, INDIA

**RECREATIONAL
ENTERTAINMENT, MIRAL, ABU DHABI,
UNITED ARAB EMIRATES**



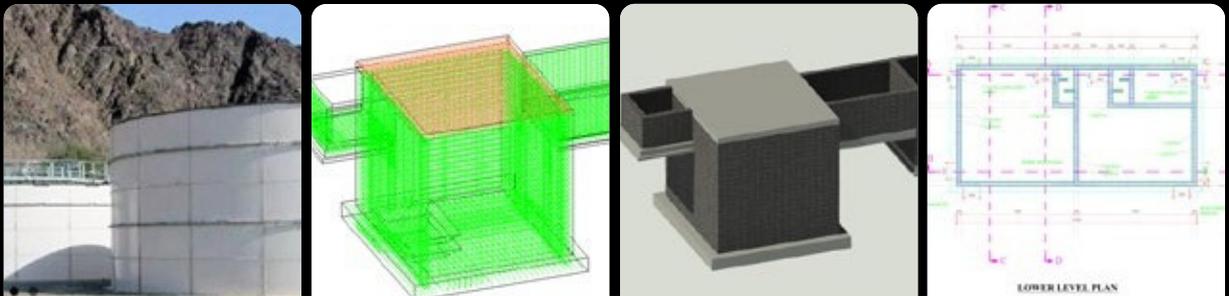
**RESIDENTIAL PROJECT
AL BARARI, DUBAI, UAE**

VILLA PROJECT, SOHAR, OMAN

Project Portfolio



AL MAHA FILLING STATION, BARKA, OMAN



OMAN WATER TREATMENT CO. SAOG, OMAN



VILLA PROJECT, AL SEEB, OMAN



COMMERCIAL/RESIDENTIAL BUILDING

Project Portfolio



HEALTH CARE CENTRE
GAYAL, SAUDI ARABIA



MAZAR RESIDENTIAL PROJECT.
JEDDAH, SAUDI ARABIA



QHUNFUDAH VILLA PROJECT. SAUDI ARABIA



RESIDENTIAL PROJECT. MAKKAH, SAUDI ARABIA



MASJID SHUHADHA
MADINA, SAUDI ARABIA

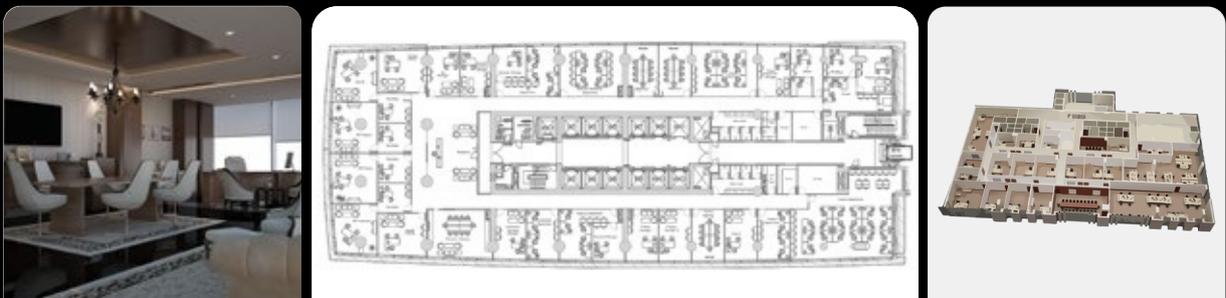


APARTMENT PROJECT,
BANGLORE INDIA

Project Portfolio



RIYADH, SAUDI ARABIA



BANAQA JEDDAH, SAUDI ARABIA



EDUCATIONAL BUILDING JEDDAH, SAUDI ARABIA



RESIDENTIAL BUILDING, JEDDAH, SAUDI ARABIA

Thank You



CONTACT US

UAE

+971 50 2345 248

Email: sales.uae@horizon360pro.com

INDIA

+91 703 4460 777

Email: operations@horizon360pro.com

www.horizon360pro.com