

PROFILE

360BIM SOLUTIONS



360BIM
SOLUTIONS

INTRODUCTION

360BIM solutions offers building information modeling (BIM) solutions to architecture, engineering & construction (AEC) firms globally. We provide design & consultancy services, pre-construction services - constructability review and coordination, value engineering, logistic planning, construction management, facilities management, and digital twin.

35+
Clients

65+
Projects

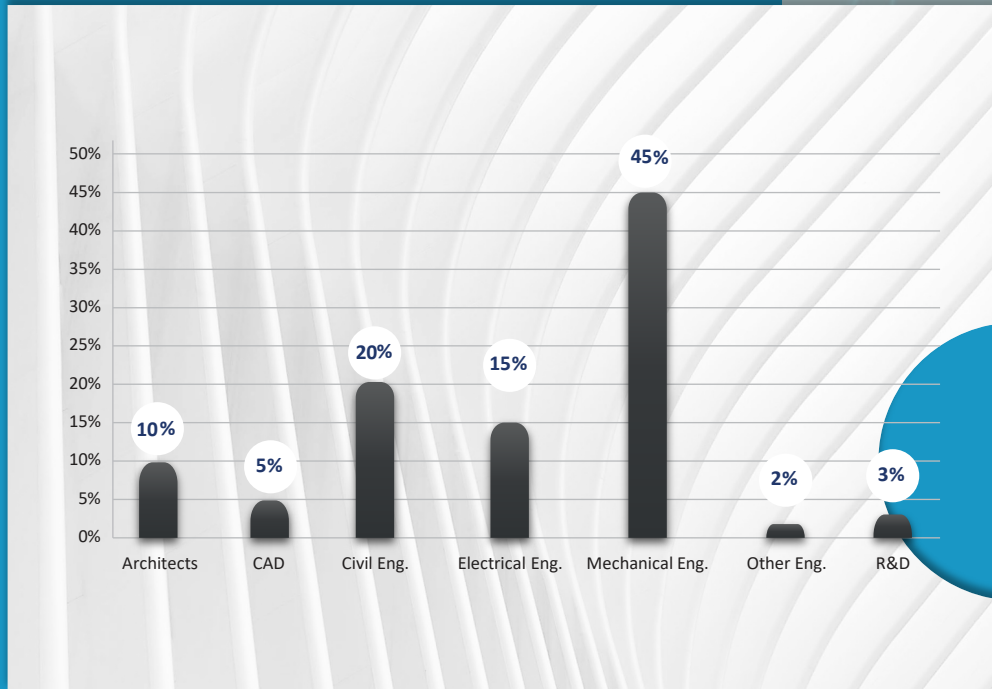
7+
Years Exp.

105+
Engineers &
Architects

4+
Countries

3+
Delivery
Centres

OUR TEAM

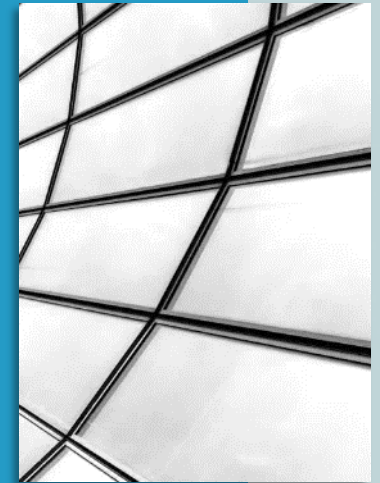


360BIM Solutions significant contribution to Building Information Modeling is made possible by its highly qualified and experienced workforce, including engineers, architects, and other experienced professionals. All our employees are well-versed in handling international construction codes and standards. We are proud of the diverse team and their global experience.



OUR INFRASTRUCTURE

- 360BIM Solutions has campuses in Ranchi, and Kolkata & comprising facilities like High-speed Bandwidth, Blade servers, an R&D center, a Datacenter, and more.
- We also have equipped global delivery centers in the UAE (Dubai) that allow our employees to work in the same time zone as our customers.
- 360BIM Solutions Construct-ability Installation Lab gives construction site experience to employees, integrating theoretical learning with practical experience. It enables our employees to deliver BIM solutions on time and with accuracy



OUR SERVICES

360BIM Solutions offers end-to-end BIM Services allowing clients to get complete control of construction projects. Our BIM engineers work with 3D, 4D, 5D, 6D, and 7D BIM to facilitate project coordination, collaboration, construction management, asset management, risk mitigation, logistic planning, and cost estimate. We follow a structured approach for providing BIM Consulting, Engineering, Modeling, Facilities Management, and Digital Twin services.

PRE-BID ESTIMATION

360BIM Solutions pre-bid estimation Services aid contractors in winning bids through accurate estimates according to industry standards.

Digital estimation tools offer estimators the capability to estimate quickly. Moreover, they allow customization of labor and material rates as per requirements.

BIM SERVICES

Architecture Design

As the design progresses from the conceptual/schematic stage to the construction stage, our committed team of trained personnel works with architects to comprehend their design objectives and provide value-added support.

Structural Analysis

Bending moment, stress-strain, lateral loading, etc. are just a few of the design characteristics that our structural design analysis services design and validate. To provide accurate reports rapidly, we make use of cutting-edge design tools like RISA, ETABS, STAD PRO, Tekla & HILTI, etc.

MEP Design Services

When the design is being developed, 360BIM Solutions collaborates closely with MEP Design Engineering companies. We use a variety of inputs to validate the design for constructability, applicability to applicable codes, performance, and maintenance.

MEP Design Services

We incorporate cutting-edge design tools like HAP, Elite, Trace 700, McQuay, Dialux, PIPENET, ETAP, and Design Builder, which enable quicker iterations and significantly reduce design time and cost.

Energy Optimization

To increase energy efficiency, our team helps you transition to low-carbon and renewable energy sources with the help of building energy optimization services. We assist clients in selecting the optimal route to sustainability, whether it be through energy system integration or the meticulous design of energy infrastructure.

3D Modelling

Construction organizations can visualize conceptual constructions using our 3D BIM models prior to construction. As a result, it may provide our clients with superior project planning.

Constructability Review

In order to address any constructability issues during the pre-construction phase, we work on BIM models based on the client's answer to the RFI, record the progress in a log, and frequently check in with customers. Therefore, constructability review eliminates rework and material waste before the construction process begins and prevents work halts.



Before CR



After CR

Clash Coordination

During preconstruction, BIM Clash Coordination Services help identify trade-related interference. To make sure that the model is completely coordinated and clash-free, our BIM Clash detection and coordination services also include the creation of virtual 3D BIM coordination drawings.

Construction Documentation

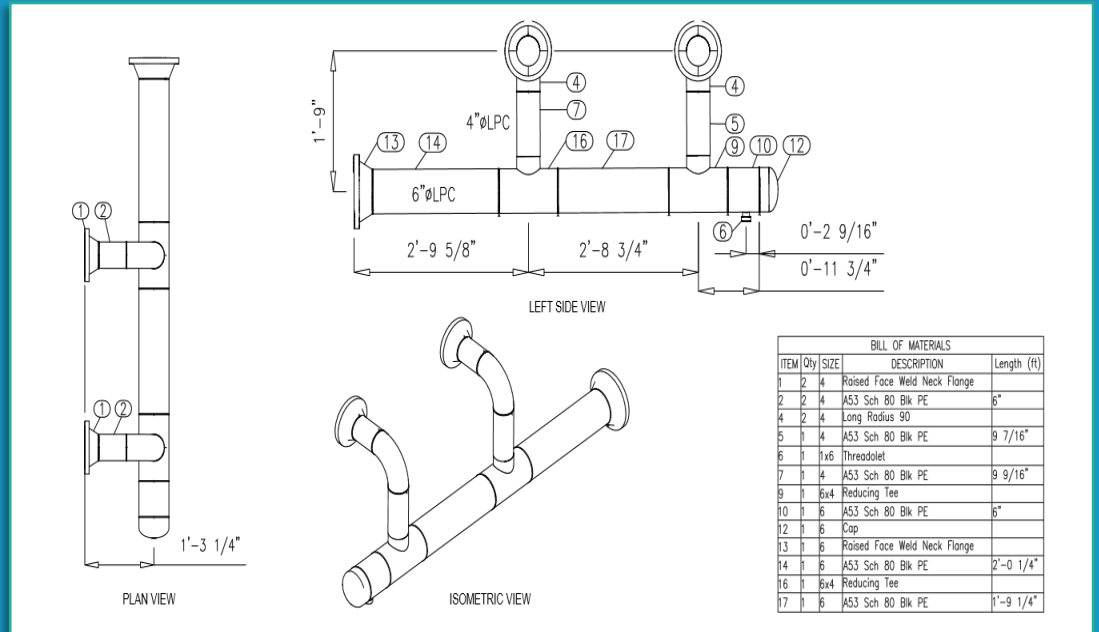
The foundation for fabrication in the workshop and installation on-site are the construction documentation. They make certain that all project participants fully comprehend the project's requirements and can cooperate to produce a great result.

Design Prefabrication/ Spool Drawings

As per the requirements of the client, we produce spool drawings and maps. These segmented spools have information on them that makes prefabrication easier. They can be quickly put together and installed at the location after fabrication

Quantity Take-off

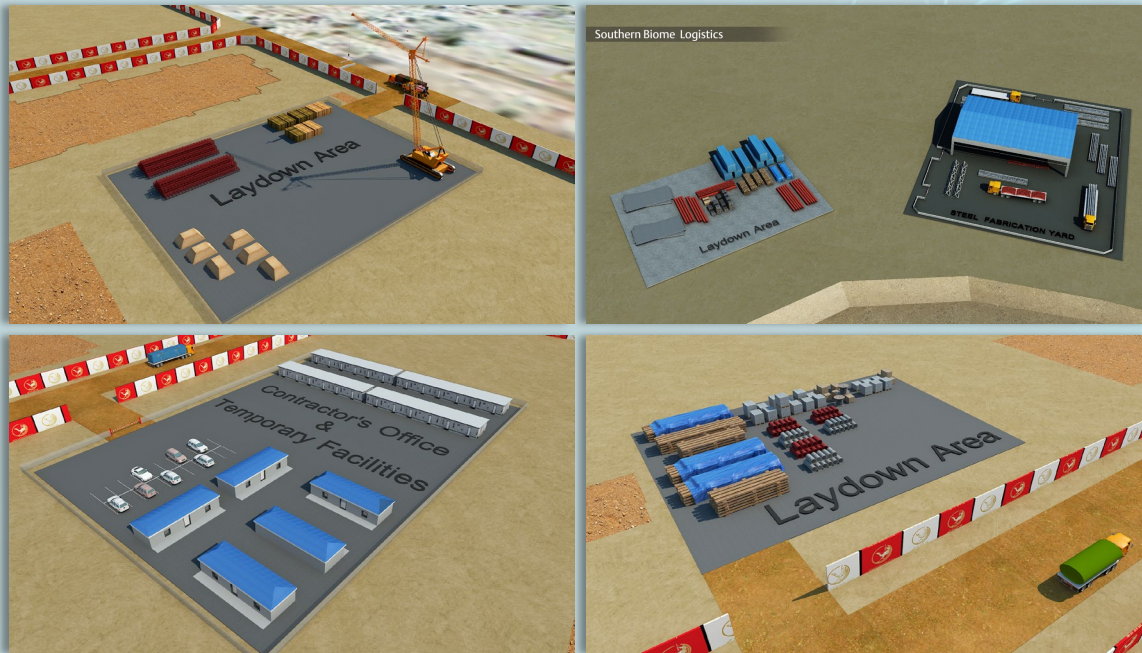
From perfectly coordinated 3D models, we produce precise Quantity Take-off. Any modifications to the model are automatically reflected in the Quantity Take-off. To assist contractors in estimating project costs and organizing the procurement of materials, all equipment and fixture data are tabulated.



Construction Site Logistics

To make the best use of the site's space and increase safety, the project needs a logistics plan for the building site.

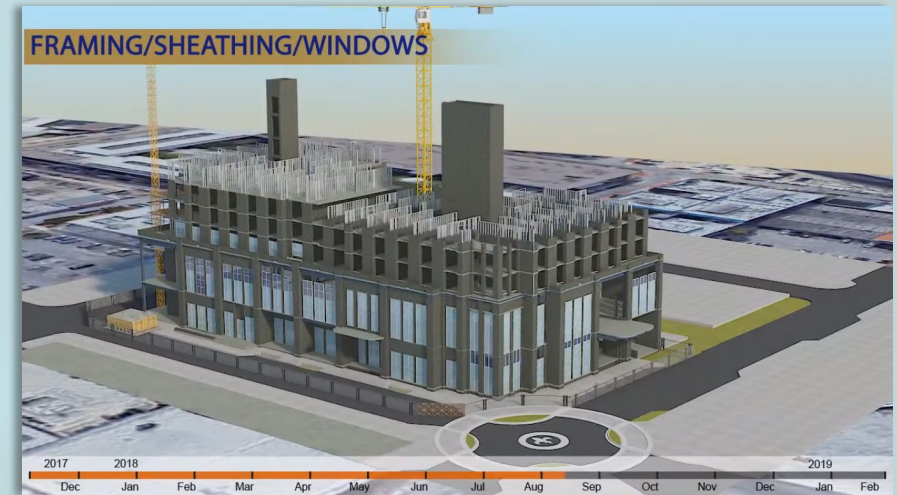
In order to promote effective planning and implementation of numerous logistical components in a construction site, we assist you by developing visual representations. We carefully assess projects in order to provide specialized logistics solutions.



4D/5D Construction Simulation & Marketing Presentation

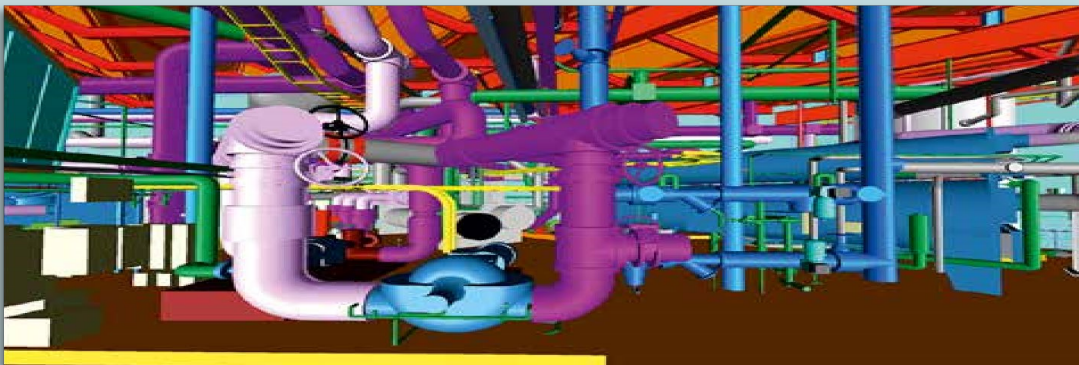
The visualization of the project chronology phase-by-phase is a new dimension added by our 4D/5D Construction Simulation services. In the construction industry, simulations play a big part in project planning and daily requirements estimates for equipment, labour, and materials.

To assist clients in obtaining competitive bids, we also produce powerful BIM marketing presentations. We use 3D walkthroughs and render photos in our marketing BIM presentations to provide a realistic impression of going through the construction site while the exterior and inside of the building represent the contractor's method statement.



Laser Scan/Point Cloud Data

An accurate and comprehensive "as-built" drawing is provided by the point cloud data from 3D scanning. To enable precise and accurate modelling, coordination, and quantity take-offs, we collect comprehensive information about an element in its actual space.



BIM Consulting Services

BIM Strategy Plan

Our BIM Strategy Plan services give businesses the opportunity to adopt the most recent BIM procedures and develop their operations technologically. Customers can anticipate thorough BIM workflow integration, including BIM training and consultancy services.

BIM Implementation

The transition from traditional processes to BIM-integrated workflows starts with a BIM implementation plan. It outlines the processes, strategies, and workflows to implement BIM in projects. BIM implementation consists of the following stages:

- Audit
- Setting Goals
- Definition of Strategy and Process
- Budget Planning
- Training and Education
- Monitoring

BIM Execution Plan

360BIM Solutions creates thorough BIM Execution Plans for our clients using cutting-edge software technologies to alter their current business processes, boost collaboration, and shorten communication lag times. We examine current processes to find bottlenecks, then define and apply BIM approaches to fix them.

BIM Training

Organizations that embrace BIM to replace their existing workflow require extensive training tailor-made for their work processes and industry. We can provide the best training so that our clients can leverage the full value of BIM and extract the maximum value for their projects. Our consulting services are an ideal fit for General Contractors, Owners, Architects, and Engineers.

BIM Template and Content Creation

While Content Creation makes the product available to designers, our BIM experts have extensive experience using Revit to convert systems and products into parametric BIM objects.



Examples of content creation

BIM IT Infrastructure Planning

Regular assessments of the current IT infrastructure are part of the BIM IT infrastructure planning process for BIM implementation.

- Clarifies the project's intent to stakeholders
- Delivers critical foundation for business agility
- Ensures data fidelity & stability across the project lifecycle

Value Engineering

The MEP plan is being redesigned by our own team to improve efficiency and reduce costs. We put a lot of emphasis on hangers' proper spacing and positioning to support the most weight while minimizing costs

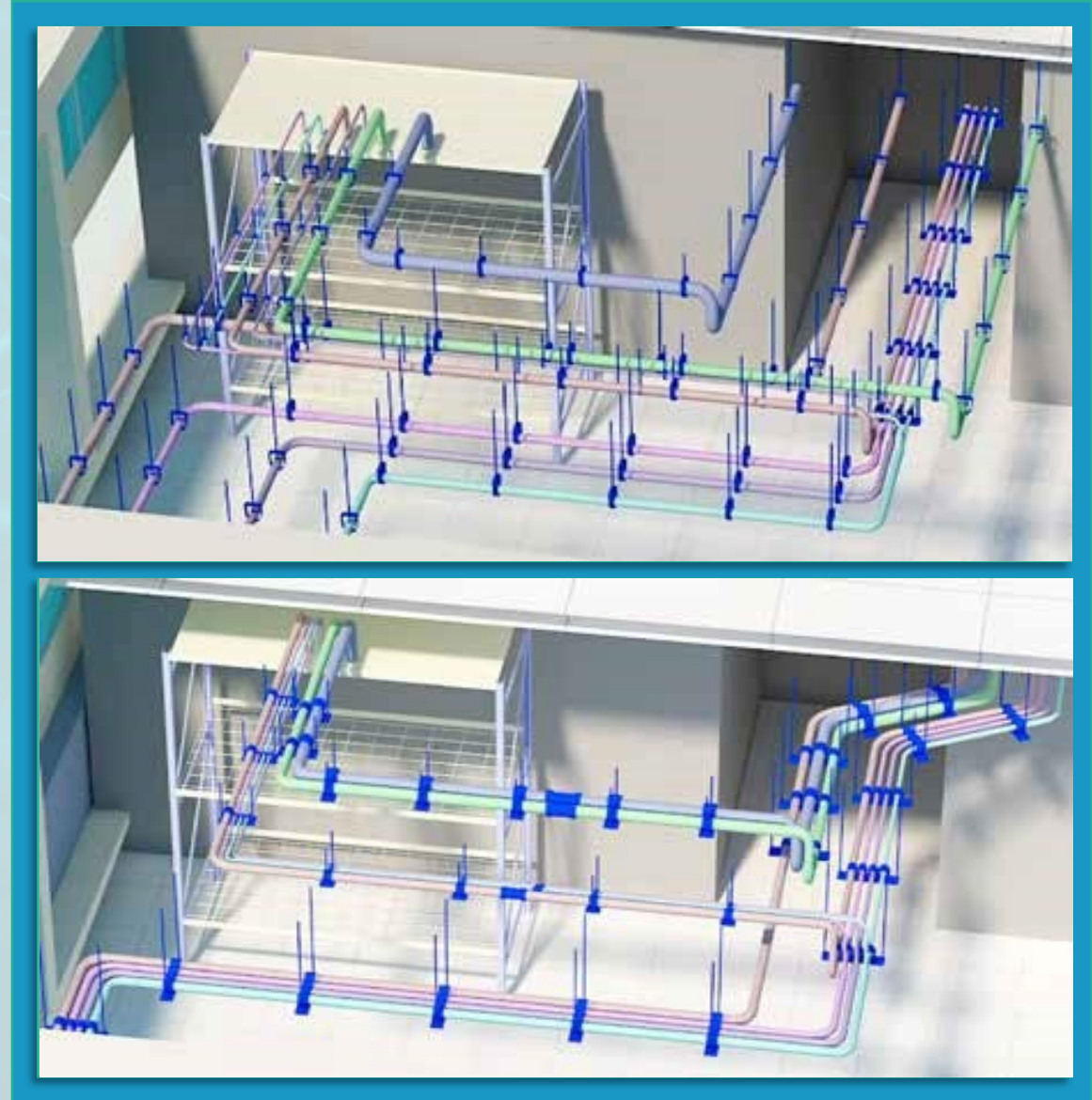
Facilities Management

Owners and project managers can obtain correct information about project design and other components from a central database (BIM-centric Facility Management services).

Our experts use the COBie (Construction Operations Building Information Exchange) standard to streamline asset data collection, such as maintenance schedules, equipment information, etc

The benefits of these services are:

- Centralized platform for easy access to data
- Instant access to the latest data from a single model
- Integration with FM software tools
- Preventive Maintenance Planning



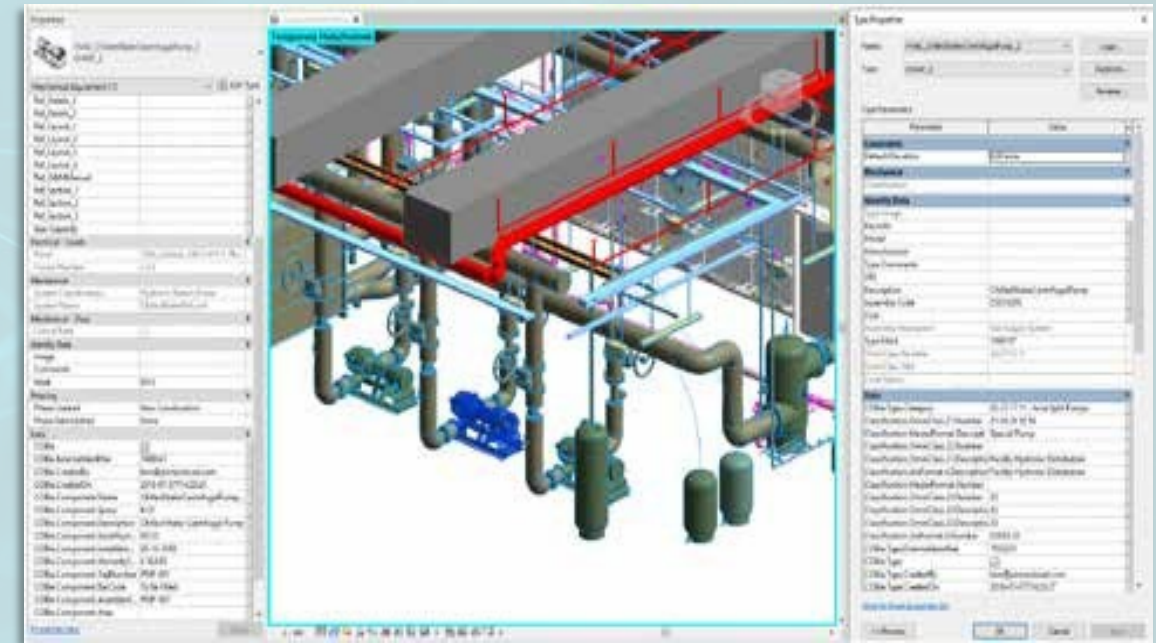
Digital Twin

Digital twins are dynamic digital duplicates of physical assets, systems, and processes that are intelligent BIM models that may be utilized for facility management.

The BIM model gathers data as the construction lifecycle progresses from one stage to the next. The digital twin incorporates this multi-stage information to represent the facilities' current state.

The benefits of these services are:

- Informed Decision Making
- Real-time Condition Monitoring Dashboards
- Predictive Risk & Failure Assessment
- Preventive Maintenance
- Regular Performance Testing
- VR-assisted maintenance



6. Our Work Processes

Relationship Management

In order to exceed customers' expectations, our relationship managers work side by side with clients to ensure effective communication, manage deadlines, and handle deliveries on time. They establish long-lasting business ties while advising clients on the services 360BIM Solutions offers.

Production Process

Project Delivery Team (PDT) receives reports from project teams. The PDH serves as the team's technical leader and makes ensuring that regular work procedures are followed. They are in charge of project execution. Project Delivery Team communicate with the client on a frequent basis to obtain input and guarantee the project's successful conclusion.

Project managers oversee small teams for a client and are accountable for comprehending the project's specifications, standards, billing procedures, and communication guidelines. They create project templates in accordance with project requirements, schedule resources, and coordinate project delivery schedules.

Auditing Process

As a separate entity within the organization responsible for process and quality management, the COE team establishes feedback management procedures, conducts investigations into any complaints or concerns, and provides action items. By doing this, 360BIM Solutions guarantees uniformity in the final products across the board.

Quality Control Process

As a result of its efficient processes and stringent quality control standards, 360BIM Solutions has added certainty to projects across the globe. Our process orientation & quality control are managed by an independent QC team.

“VERTICALS WE SERVE”

360BIM SOLUTIONS (BIM SERVICES) GIVE STAKEHOLDERS IN THE GLOBAL AEC INDUSTRY ASSURANCE AT EVERY LEVEL OF THE CONSTRUCTION PROCESS. WE COOPERATE WITH:-

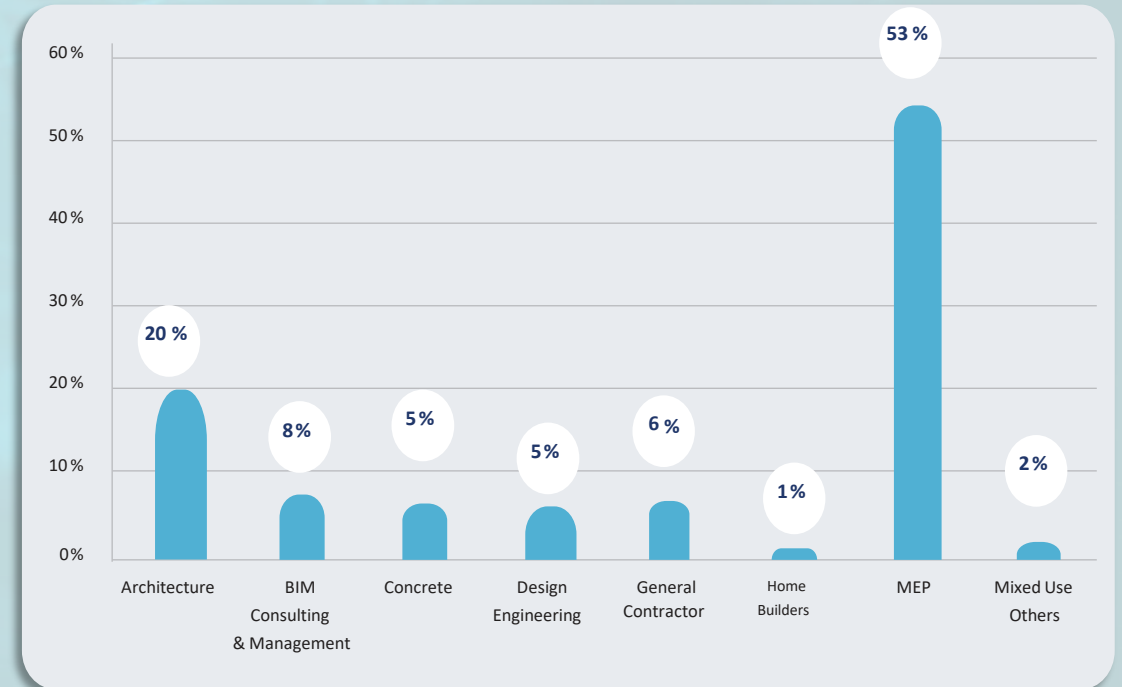
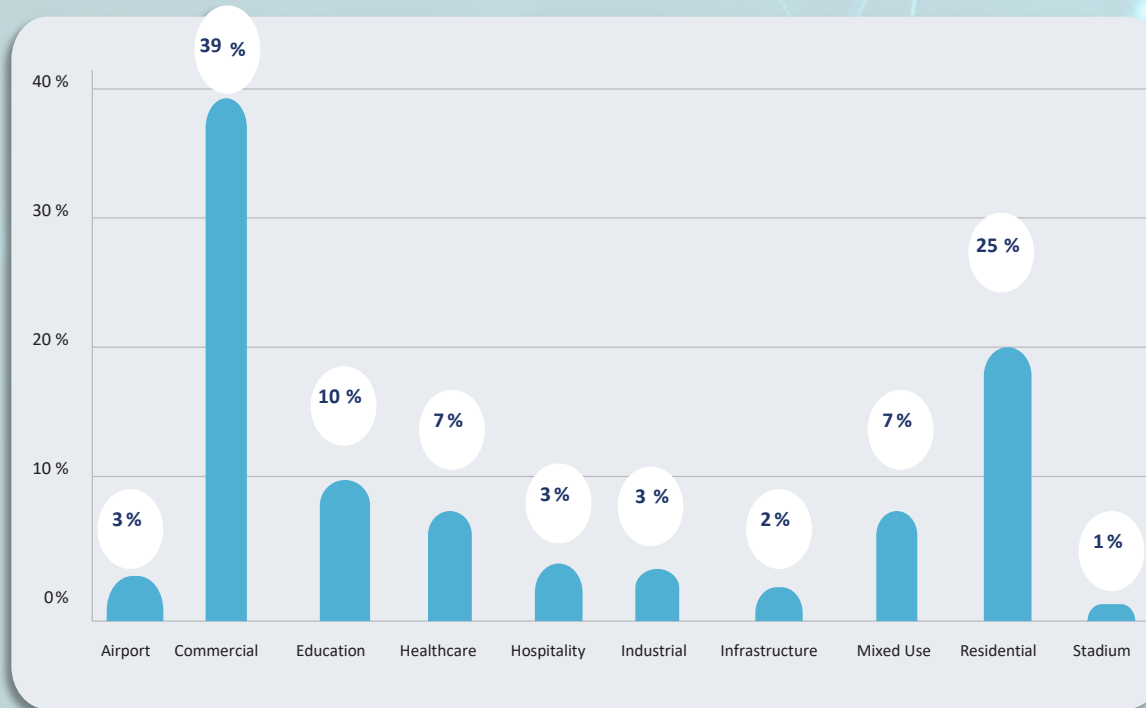
- Owners
- Architects
- **Engineers**
- Home Builders
- **Contractors**
- Plants

Structural Engineers
MEP Engineers

Rebar
General
Concrete
Mechanical
Plumbing
Electrical
Fire Protection
Drywall

Our Projects

We have successfully completed more than 65 BIM projects for our clients in different nations. For our 35+ customers, we have completed projects at airports, manufacturing facilities, data centers, hospitals, sports arenas, high-rise towers, and more.



THANK YOU

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