

PSK
BIM SERVICE

COMPANY PORTFOLIO

Redefining BIM Excellence!

Mission:

Empowering innovation through precision and collaboration, PSK BIM Service is dedicated to transforming the architecture, engineering, and construction industries with intelligent, sustainable, and data-driven BIM solutions. We strive to unlock new efficiencies and elevate project outcomes by merging technology with expertise.

Vision:

To become a trusted leader in the BIM industry, pioneering new standards of excellence, sustainability, and seamless integration across global projects. We envision a world where intelligent building models drive not only operational success but also long-lasting environmental and societal impact.

Associations:



Jacobs

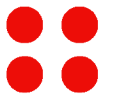


Stefan Shaw Studio



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1. Introduction:



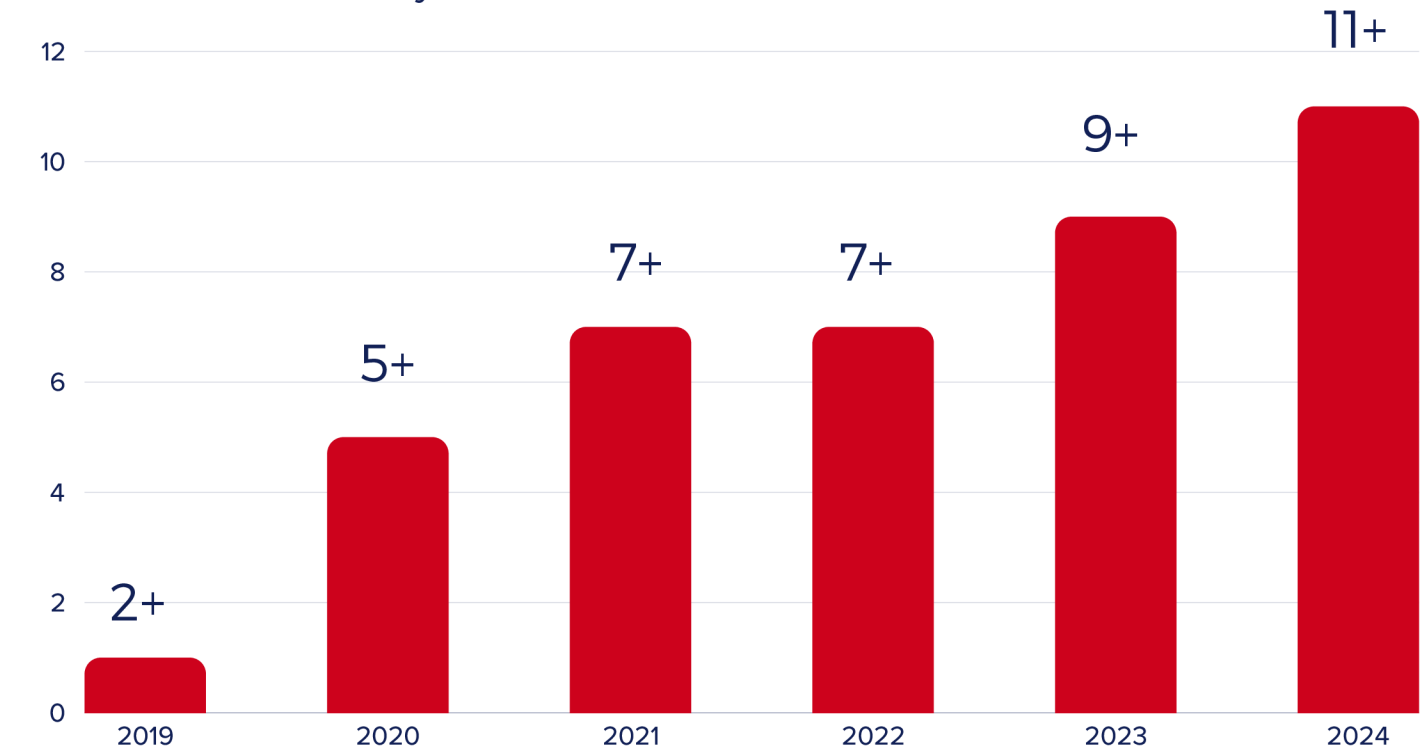
Kolkata PSK BIM Service - Main Administrative Office

Founded in Kolkata, India, by **Mr. Sudip Khan & Mr. Prasenjit Kandar**, PSK BIM Service is fast becoming as a trusted external BIM partner in high-precision BIM modeling and coordination. Guided by our **technical leadership** — **Mr. Sudip Khan, Mr. Prasenjit Kandar, Mr. Shyamal Ghosh, and Mr. Sumon Ghosh**—we bring **150+ dedicated professionals, 3,500+ successful projects, and 70+ satisfied clients** across Europe, the US, and the Middle East.

We specialize in **LOD 400+ models, clash-free coordination, and adaptive workflows**, ensuring seamless execution for the most complex projects. What sets us apart? An unwavering commitment to quality. We don't just deliver BIM—we treat every project as if it were our own, combining technical expertise with relentless attention to detail. Our production team takes immense pride in sincerity, hard work, and flawless execution, making us the preferred partner for clients who refuse to compromise.

Evolution:

Our Global Growth by Countries



Served Countries:

1. The US
2. The UK
3. Singapore
4. Egypt
5. Greece
6. Australia
7. Argentina
8. UAE
9. Oman
10. KSA
11. Qatar

Delivery Centers:

1. Kolkata, WB, India
2. Midnapore, WB, India
3. Durgapur, WB, India



2. Why PSK BIM?



Excellence



Agility



Reliability



Teamwork



Honesty

Scalable Teams: Rapidly expanded from 3 to 11 specialists.

Problem-Solving: Addressed design clashes, height restrictions, and routing conflicts.

Global Expertise: Mega Project expertise – Stadiums, airports, sorting facilities, hotels, smart city redevelopment projects.

Client-Centricity: Customer Comes First Approach.

We have expanded our workforce from 3 to 11 specialists to tackle various challenges, emphasizing a client-centric approach and providing comprehensive BIM solutions across sectors.

Some key projects include:

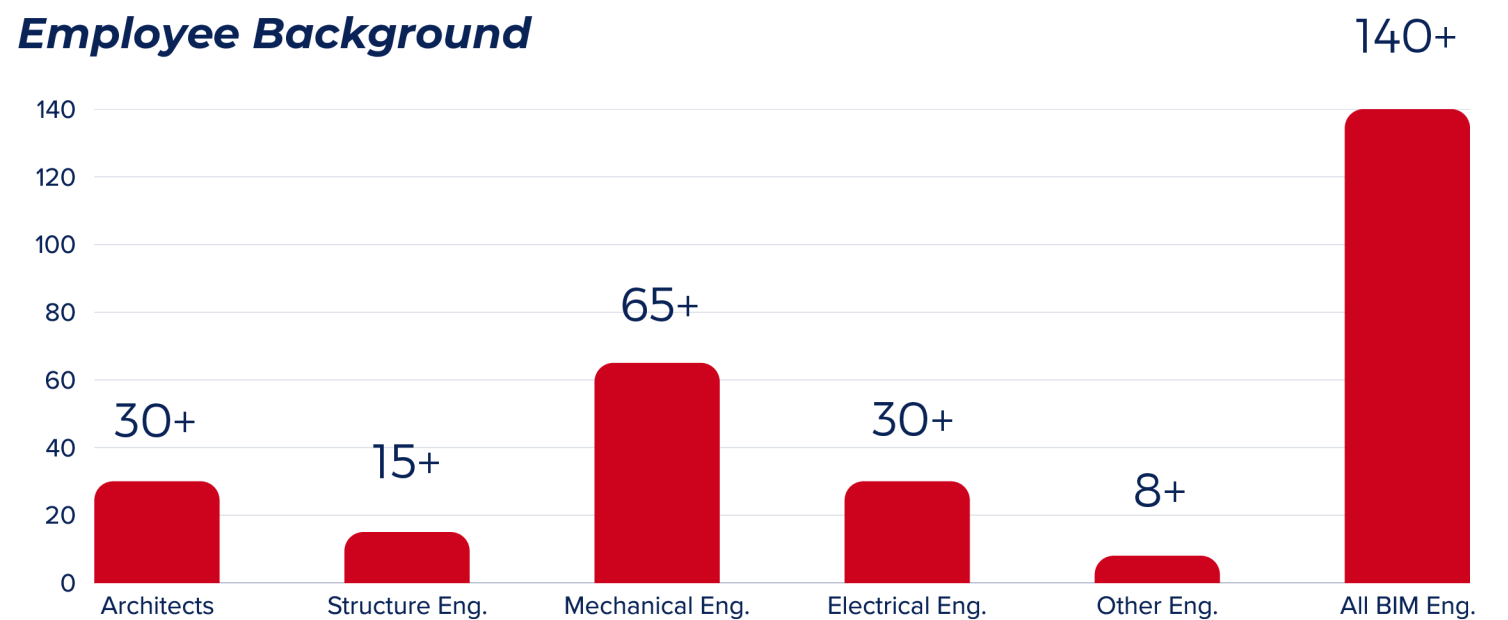
- **Data Center: Qatar National Bank in Doha**, utilizing "Maintenance-First Modeling" for zero clashes.
- **Smart Cities: The Ellinikon Project in Greece**, delivering LOD 400 models for roads and utilities, enhancing sustainability.
- **Aviation: La Guardia Airport, NY, USA**, with 24/7 workflows for clash-free plumbing models.
- **Stadiums: Spotify Camp Nou, Barcelona, Spain**, where we grew our team to manage complex coordination.
- **Healthcare: SNF University Pediatric Hospital in Greece**, focusing on precision in MEP and architectural modeling at LOD 400 for a \$1 billion project.

Our experience covers regions including the US, Greece, Spain, UAE, KSA, Qatar, Oman, and Malaysia.

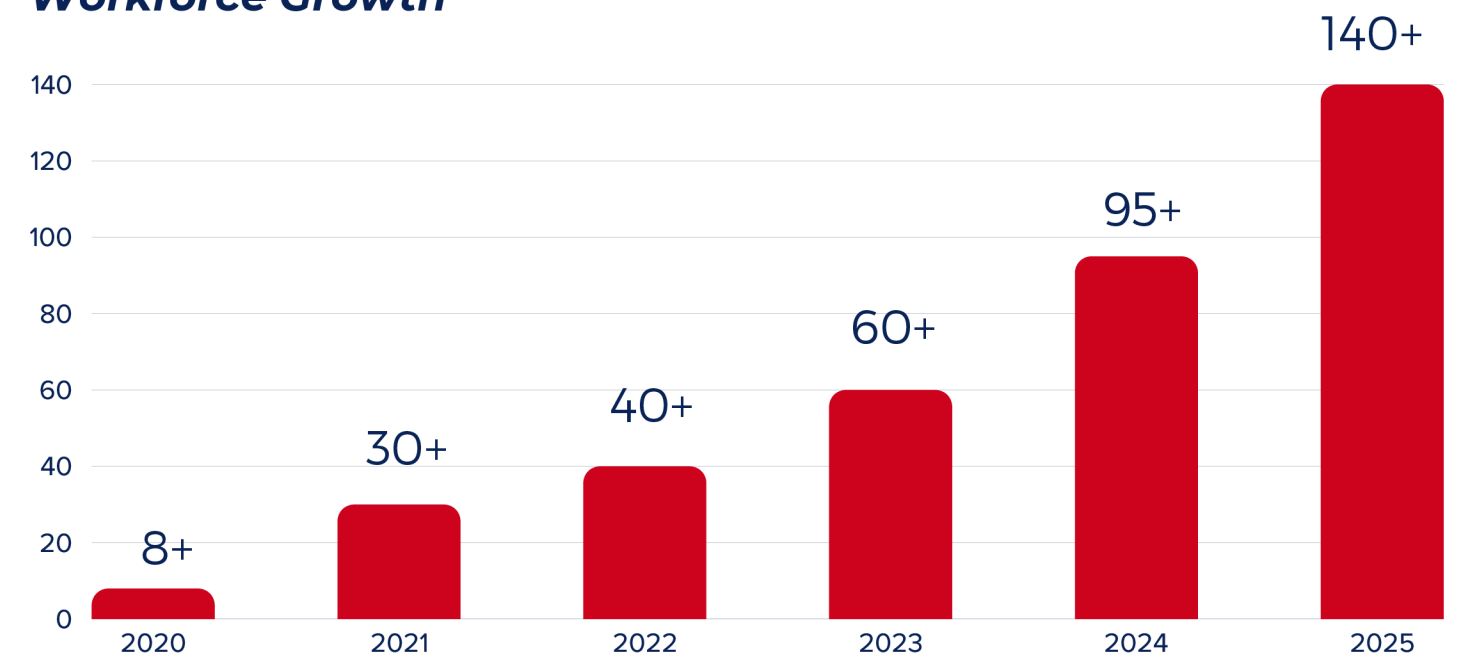
3. Our Team

PSK BIM's 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.

Employee Background



Workforce Growth



4. Our Services:

PSK BIM 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.

BIM Services:

i. Structural BIM Modeling Service

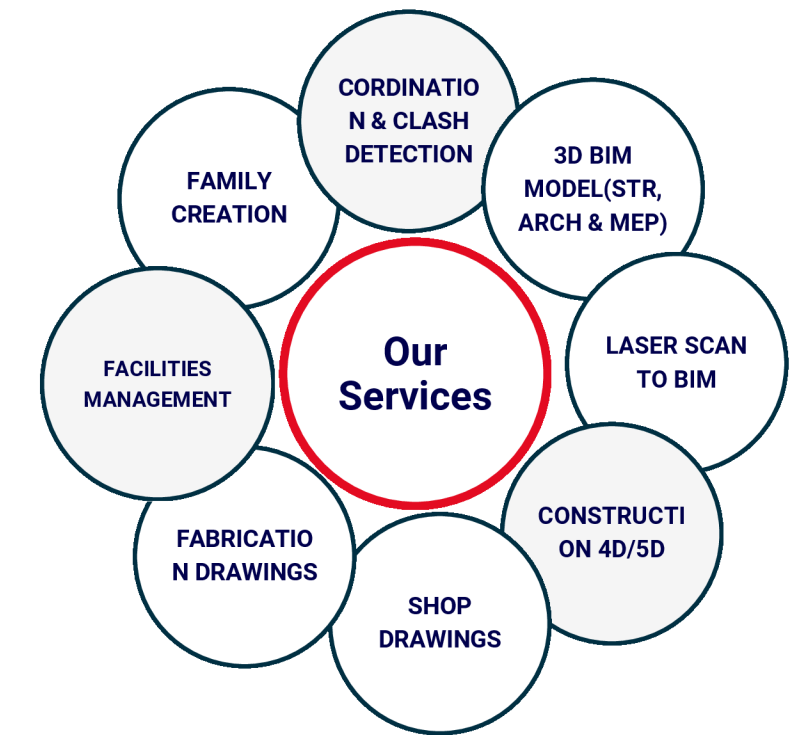
Structural BIM Modeling creates a precise and comprehensive model, including the generation of shop drawings for on-site construction.

PSK BIM provides in-depth Structural BIM services globally across various sectors. We collaborate with architectural firms, steel fabricators, construction companies, and general contractors on our Structural BIM projects. With over 10 years of experience in large-scale Structural BIM Modeling, we are familiar with various structural design standards applicable in different regions. Our clientele includes architects, structural consultants, builders, fabricators, and surveyors.

ii. Architectural BIM Modeling Service

Partner with PSK BIM SERVICE to access exceptional Architectural BIM Modeling services without the need for extra investment. By outsourcing your BIM needs to us, you can significantly reduce overhead expenses, as well as hiring and training costs.

Our team consists of both Architects and BIM Experts who work together seamlessly, combining architectural knowledge with proficiency in BIM software. Our skilled BIM Architects are dedicated to delivering high-quality, cost-effective solutions. We ensure that our work aligns perfectly with your requirements and workflow for optimal integration.



iii. Interior BIM Modeling Service

Our Interior Design BIM Modeling Services are crafted from a comprehensive set of Interior Design Drawings, complete with detailed specifications and designs. Throughout the Interior BIM Modeling process, we meticulously verify and validate all design and engineering inputs to ensure accuracy, compliance, and the necessary information for BIM. Coordination is conducted with all other services involved.

iv. Facade BIM Modeling Service

Our Facade BIM Models are crafted from a comprehensive set of Façade Design Drawings, complete with detailed specifications and designs. Throughout the Façade BIM Modeling phase, we meticulously verify and validate all design and engineering inputs to ensure accuracy, compliance, and the necessary information for BIM. Coordination with all other services is also conducted seamlessly.

v. Landscape BIM Modeling Service:

Our Landscape BIM Models are developed from a set of Landscape Design Drawings with detailed specifications and designs. During the Landscape BIM Modelling stage, we ensure all the design and engineering inputs are thoroughly checked and validated for the accuracy, compliances, and information required for BIM. Coordination is Done with all other services.

vi. MEPF BIM Modeling Service:

We provide MEP modeling solutions to confirm design data and create accurate construction documentation for Revit MEP projects. We emphasize on providing Revit MEP 3D modeling solutions to architects, general contractors, MEP engineers, homebuilders, and retailers through our years of experience, adaptive technologies, and professional expertise.

vii. 3D Modeling(ARCH, STR, MEPF) Service:

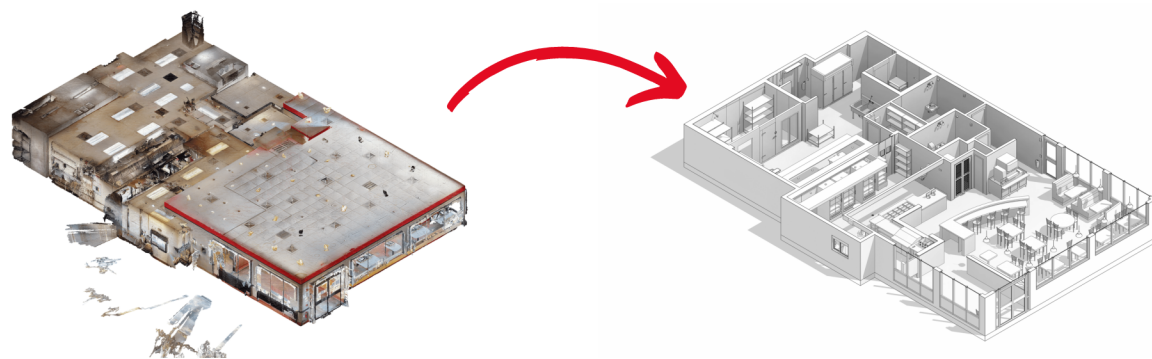
We generate coordinated models using 3D Modeling services. It allows our clients to check possible interference among all building systems through 3D BIM Modeling Services.

Our 3D BIM models assist construction companies in visualizing schematic structures before construction. Therefore, it can offer better project planning for our clients.

viii. Laser Scan to BIM Service:

Our Laser Scan to BIM service seamlessly converts point cloud data into detailed Building Information Models (BIM), ensuring accuracy and efficiency at every stage. Turn your complex site data into actionable insights for smarter decision-making and project success.

- Light BIM Model-Architectural, Structural & MEPF
- As-Built 2D CAD Drawing Preparation
- COBie Data Integration
- Data Rich BIM Model
- Room Polyline



Input Scan Recap View

Output BIM 3D Model

ix. Family Creation Service:

Meet your project's specific needs with our Family Creation Service. Our team specializes in crafting bespoke Revit families tailored to your project's unique needs, streamlining workflow, and optimizing efficiency. With meticulous attention to detail, we deliver high-quality assets that seamlessly integrate into your design environment, ensuring accurate representation and enhanced collaboration. Simplify your design process and unlock endless possibilities with our custom solutions.

x. Coordination & Clash Detection Service:

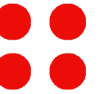
BIM Clash Detection & Coordination Services assist in detecting interference between trades during preconstruction. Our BIM Clash detection and coordination services cover the preparation of virtual 3D BIM coordination drawings to ensure that the model is fully coordinated and free from clashes.

xi. Shop Drawing:

Streamline your project workflow with our Shop Drawing service. Our experienced drafters specialize in creating accurate, easy-to-understand drawings that bridge the gap between design and construction. With a focus on clarity and precision, we provide comprehensive documentation for all project elements, enabling seamless collaboration and efficient construction management.

xii. Prefabrication/ Spool Drawings:

We create spool drawings and maps as per the client's standards. These segmented spools contain details to facilitate prefabrication. Once fabricated, they can be quickly assembled and installed at the site.



xiii. 4D/5D Construction Simulation & Marketing Presentation:

Our 4D/5D Construction Simulation services add a new dimension: the visualization of the project timeline phase-wise. Simulations in construction have a significant role in project planning and estimating material, labor and machinery requirements each day.

We also create compelling BIM marketing presentations to help clients secure competitive bids. Our marketing BIM presentations involve 3D walkthroughs and rendered images to give a lifelike feeling of moving through the construction space in reality through the exterior and interior of the building reflecting the method statement of the contractor.

xiv. Quantity Takeoff:

We generate accurate Quantity Takeoff from fully-coordinated 3D models. The Quantity Takeoff is automatically updated to reflect any changes in the model. All equipment and fixture details are tabulated to help contractors estimate project costs and plan material procurement.

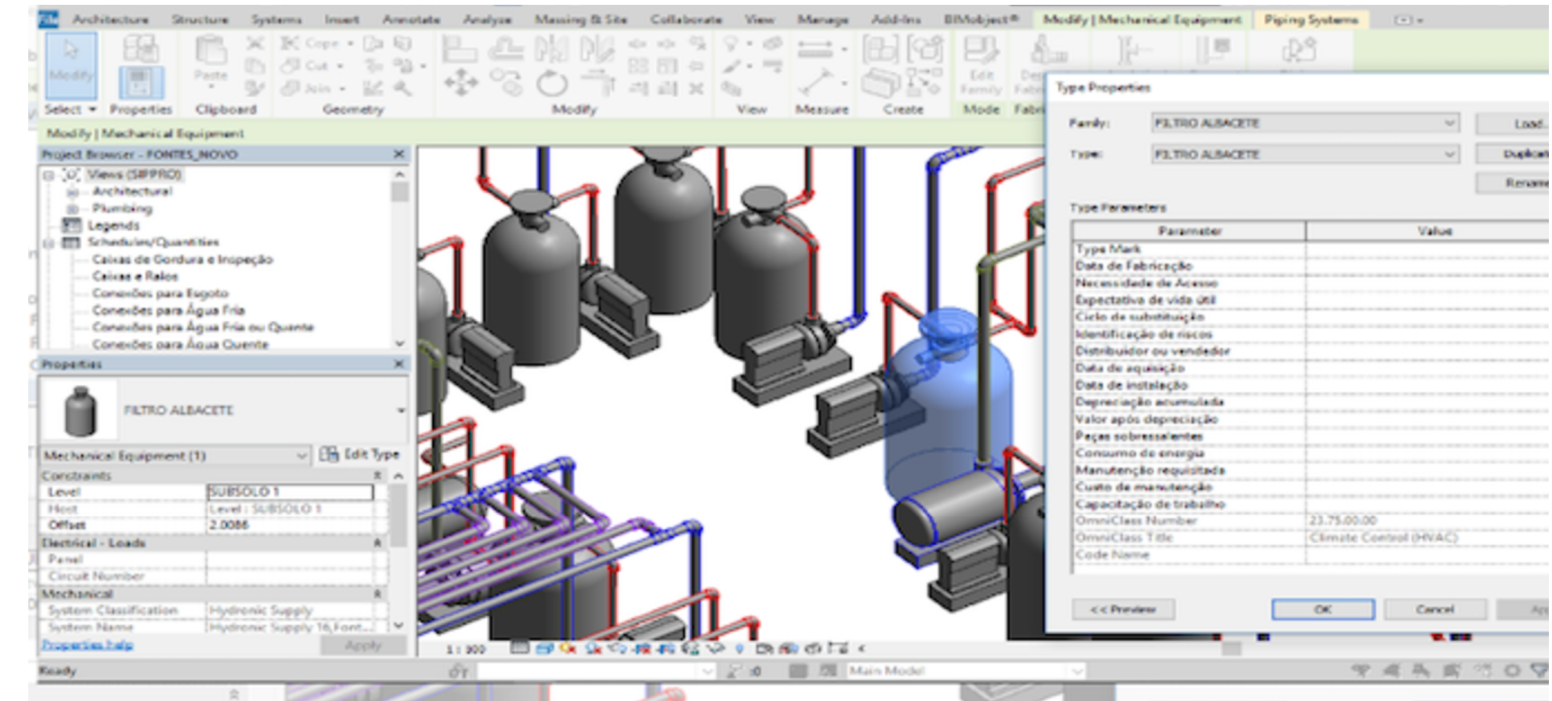
xv. Facilities Management:

PSK BIM's BIM-centric Facility Management services enable owners and project managers to access accurate information about project design and other components from a central database.

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:

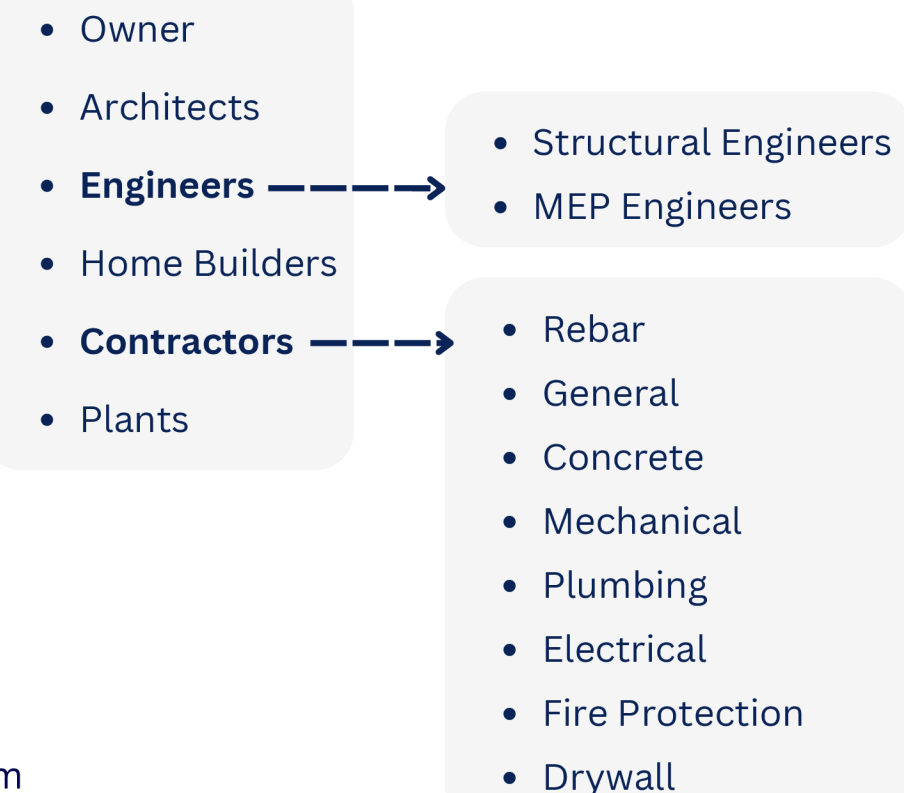
- Centralized platform for easy access to data
- Instant access to the latest data from a single model
- Integration with FM software tools
- Preventive Maintenance Planning



Facility Management Example

5. Verticals We Serve:

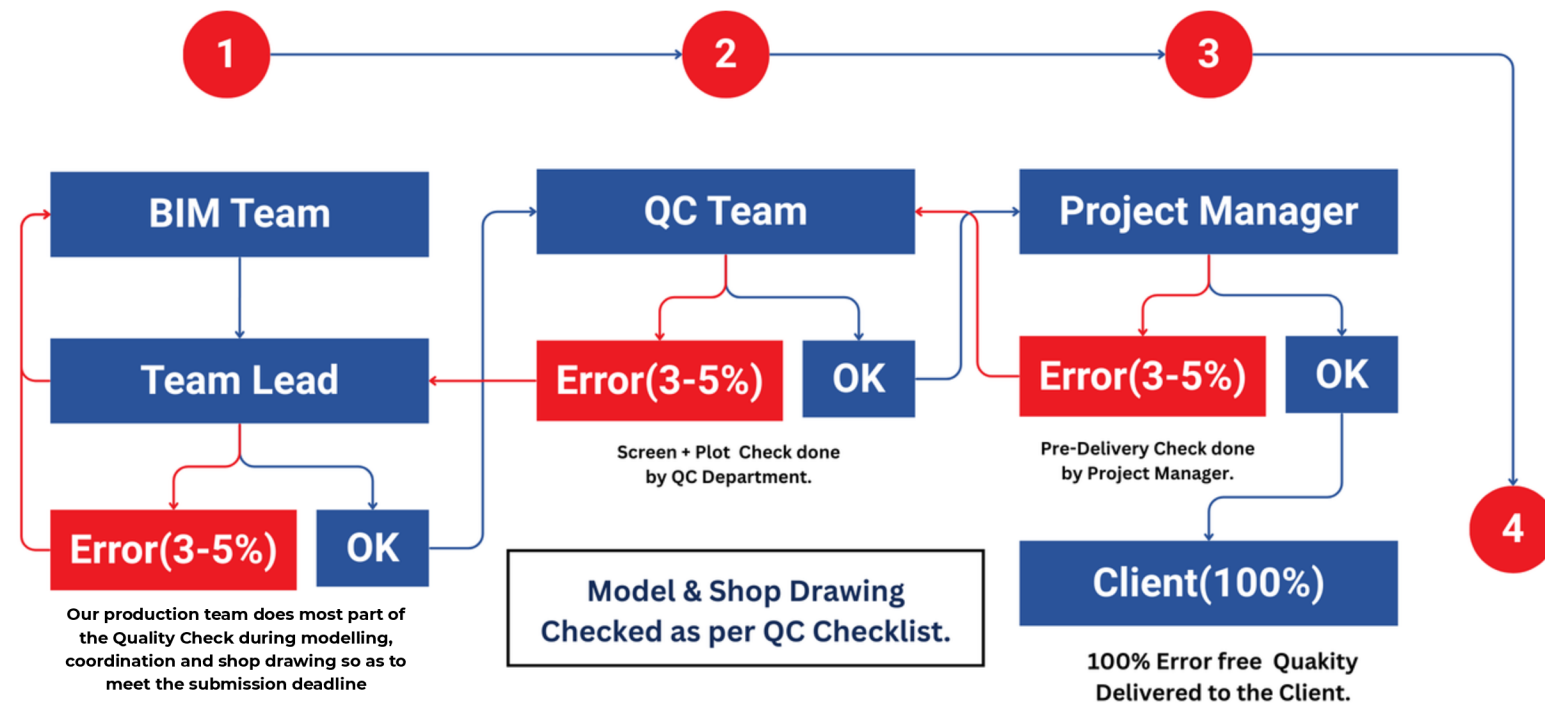
PSK BIM's BIM services bring certainty to every stage of construction for stakeholders across the global AEC industry. We work with:



6. Our Work Processes:

The 4-Stage Validation Process includes:

- 1. Production Team Check:** The BIM modeler completes the task, followed by a review from the Team Lead against project standards.
 - 2. Dedicated QC Review:** The independent QC Team audits the model.
 - Error rate < 3%: Proceed to the next stage.
 - Error rate 3-5%: Return to Production Team Lead for corrections.
 - 3. Project Manager Validation:** A final check by the Project Manager to ensure client standards are met.
 - If met: Project approved for delivery.
 - If discrepancies found: Return to QC Team for refinement.
 - 4. Client Delivery:** The approved model is delivered to the client.
- This process ensures high-quality, constructible, and coordinated deliverables, minimizing project risks.

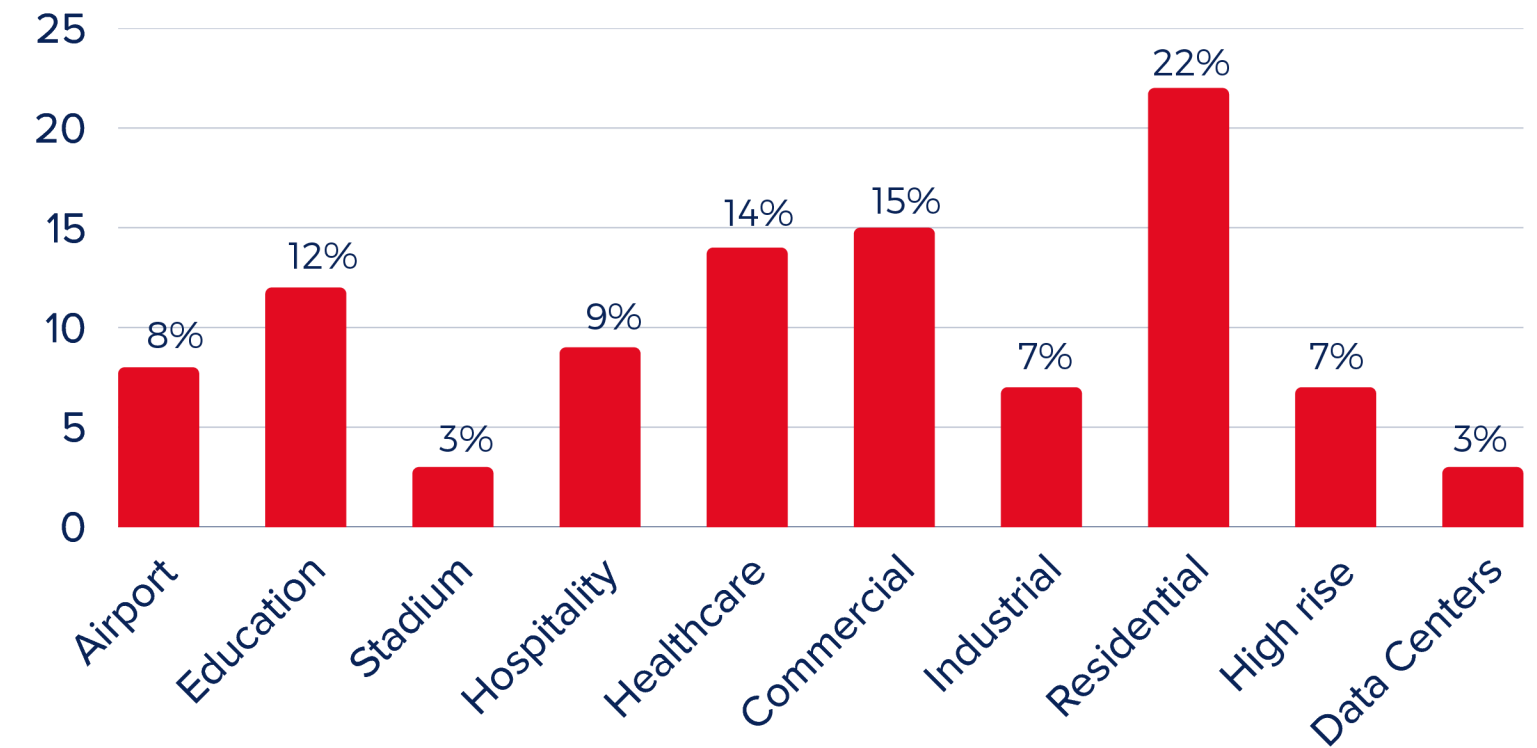


7. Our Projects:

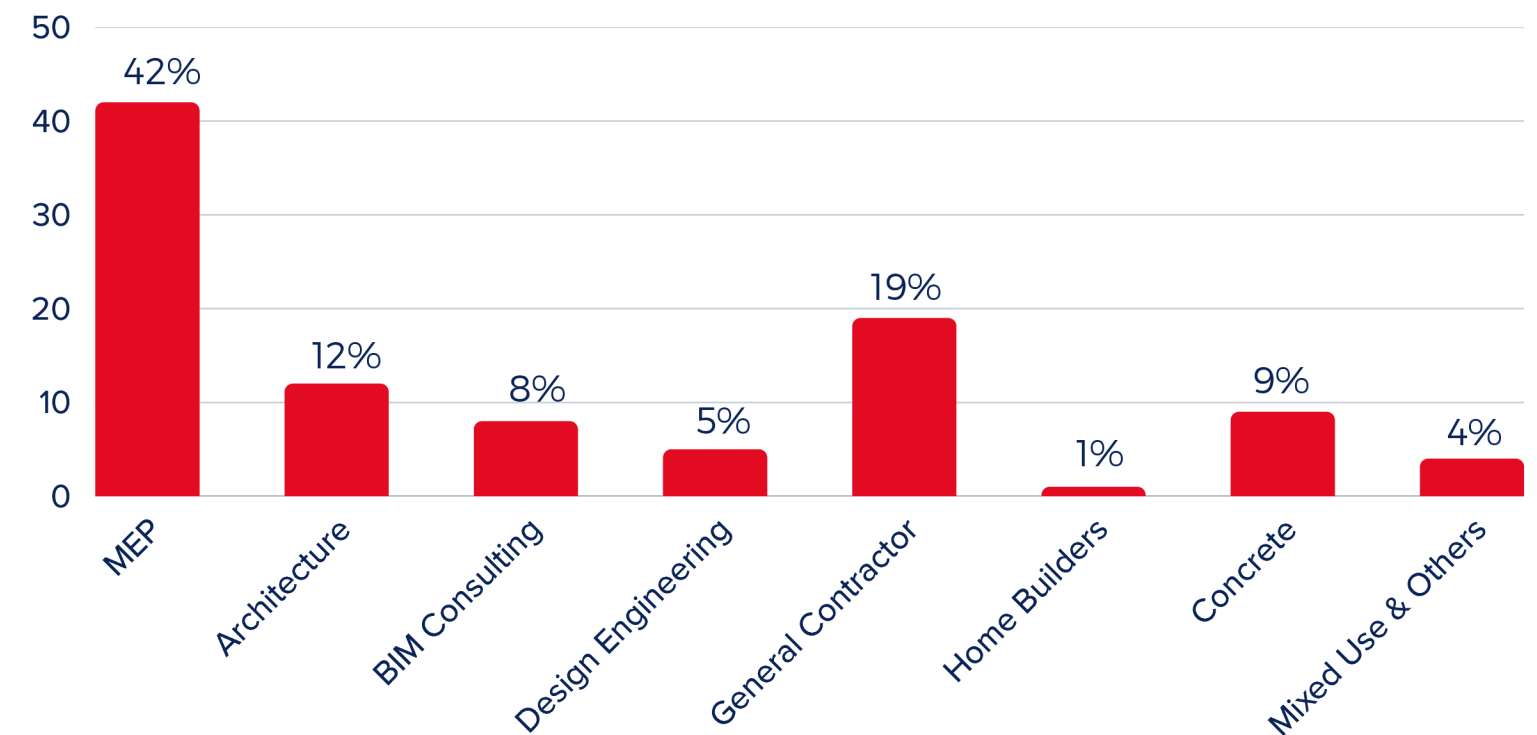
We have successfully executed 3500+ BIM projects for our clients in 11+ countries across the world. Our portfolio of projects for our 50+ customers includes Airports, Manufacturing Units, Data Centres, Hospitals, Stadiums, High-Rise Towers, and more.

www.pskbim.com || services@pskbim.com

Project Distribution by Sector:



Project Distribution by Segment:



Qatar Airways Accommodation - Doha, Qatar



Qatar Airways purchased two parcels in Doha, State of Qatar, West of the old airport to develop accommodations for hostesses. The project includes two buildings, PK1 and PK2, with various apartment types, common facilities, and underground parking. The scope of work for the contractor includes architectural, mechanical, electrical, and structural works, as well as compliance with GSAS requirements and BIM requirements.

Project Details:

Project Area: 74,840 sq. m

General Contractor: GET Engineering Technologies

Project Value (USD): \$82 M

Owner: Qatar Airways

Scope: Architectural, Structural & MEPF in LOD - 400 & 500.

The Crown Building - New York, USA



The Crown Building in Manhattan, our first project in the USA, is being converted into a hotel and residence, bridging the past and present. This iconic building, known as Manhattan's Crown, was built in 1921 and is undergoing a \$300 million renovation. It will feature 26 apartments, 83 hotel rooms, a lobby, spa, pool, gym, & restaurants.

Project Details:

Project Area: 346,597.915 sq feet

General Contractor: Gilbane Building Company

Architect: Akone Engineering

Project Value (USD): \$400 M

Client: OKO Group LLC.

LOD: 400 & 500

Phoenix Palmtower - Arizona, USA



Representatives from North American Development Group, Will Bruder Architects, LJC and Clayco joined local officials to celebrate the official groundbreaking of PALMtower Residences at Arizona Center, a new 28-story tower in downtown Phoenix. Owned by North American Development Group and designed by Will Bruder Architects in collaboration with LJC, the structure is scheduled for completion in early 2024.

Project Details:

Project Area: 481,358 SFT

Architect: Will Bruder Architects

Project Value (USD): \$100 M

Clint: North American Development Group

Scope: Architectural, Structural & MEPF in LOD - 400 & 500.

NYC Health+ Hospitals - New York, USA



NYC Health + Hospitals initiated the construction of a new ambulatory care facility in Staten Island in 2016 to address local healthcare needs. With an \$28 million budget, the 18,000 sq-ft facility aims to offer various medical services, including urgent care and pediatric care. Designed to maximize natural light and achieve LEED-Silver certification, the modular construction ensures efficiency, completing the project in just 12 months.

Project Details:

Project Area: 18,000 sq ft

General Contractor: Turner Construction/McKissack

Architect: Array Architects

Project Value (USD): \$30 M

Owner: NYC Economic Development Corp.

LOD: 400 & 500

SeaWorld - Abu Dhabi, UAE



SeaWorld Abu Dhabi is a marine life theme park and animal researching, rescue & rehabilitation center that opened on May 23, 2023 on Yas Island in Abu Dhabi, the capital of the United Arab Emirates. It is the first SeaWorld park outside of the United States and the first park without orcas. The Abu Dhabi-based company Miral Asset Management is the owner and operator of SeaWorld Abu Dhabi under a license from SeaWorld Parks & Entertainment.

Project Details:

Project Area: 183,000 sqm
General Contractor: ALEC
Architect: AECOM
Project Value (USD): \$ 1.2 B
Owner: Miral
LOD: 400 & 500

Google Pier-57 - New York, USA



Pier 57, originally designed by architect Emil Praeger in the 1950s, was the largest dock built by New York City. After years of serving as a shipping terminal and then a parking garage, it was renovated in 2011 to become a mixed-use destination. The transformed pier now houses office space for Google, two performance venues, a restaurant, and retail space. Additionally, the rooftop has been converted into a public park with an outdoor screening venue.

Project Details:

Project Area: 50,000 sq. ft.
Clint: Google
Architect: David Mayner, Kevin Rice, and Miles Nelligan
Project Value (USD): \$ 1,970,000,000
Owner: RXR REALTY
LOD: 400 & 500

Empower HQ - Dubai, UAE



Empower Headquarters, also known as Empower, is a leading district cooling services provider based in Dubai, United Arab Emirates. Established in 2003, Empower has grown to become one of the largest district cooling companies in the world, providing innovative and sustainable cooling solutions to a wide range of commercial, residential, and industrial clients.

Project Details:

Project Area: 730,000 sq ft

General Contractor: China Railway 18th Bureau Group

Architect: LACASA Architects & Engineering Consultants

Project Value (USD): \$ 76 M

Owner: EMPOWER

LOD: 400 & 500

FedEx Sorting Facility - Dubai, UAE



The design process aimed to create a hybrid structure for the main sort facility, resulting in significant cost savings. The project faced challenges in determining access points for cargo containers, but strategic planning enabled successful execution and early completion. The construction commenced in March 2022, and a ceremonial event marked the groundbreaking. A timelapse captured the evolution of the cargo hub's construction, showcasing the dedication and precision of the construction team.

Project Details:

Project Area: 72,200 S.QM

General Contractor: RAQ Contracting Company llc.

Architect: Planquadrat Middle East Engineering Consultancy

Project Value (USD): \$ 1,320,000,000

Developer: Dubai Civil Aviation Authority

LOD: 400 & 500

LaGuardia Airport - New York, USA



The new Terminal C at LaGuardia Airport in New York, US, opened in June 2022 and is operated by Delta Air Lines. It is part of the \$8bn LaGuardia Airport redevelopment, which began in 2016 and also included the Terminal B redevelopment. The Terminal C project has created thousands of construction jobs and is expected to have all four concourses operational by 2024.

Project Details:

Project Area: 850,000 sq ft.

General Contractor: Al-Futtaim Carillion -

Architect: HOK and WSP Design Joint Venture

Project Value (USD): \$ 8 B

Owner: Port Authority of New York and New Jersey

LOD: 400 & 500

ICD Brookfield Place - Dubai, UAE



Iconic and elegant, a premium business address in the heart of Dubai's financial district. The development is designed by Foster + Partners and features a sharp prismatic structure with a minimalist glass facade. The building has a highly complex steel frame structure and one of the world's largest basements with seven levels.

Project Details:

Project Area: 1,100,000 sq.ft

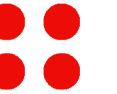
General Contractor: Brookfield Multiplex

Architect: Foster + Partners

Project Value (USD): \$ 1 B

Owner: Brookfield Properties

LOD: 400 & 500



8. Infrastructure:

Amplify your projects with PSK BIM Services – a global authority in Building Information Modeling (BIM). Based in Kolkata, India, our advanced infrastructure, featuring high-speed bandwidth, blade servers, and a robust data center, ensures seamless connectivity and efficient data management. With in-house training facilities and high-configuration systems, our 70+ certified BIM experts thrive in a dynamic learning environment. It enables our employees to deliver BIM solutions on time and with accuracy.



Software We Used:

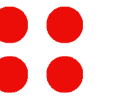


IT Security & Disaster Readiness

Our production facilities are equipped with highly configured workstations, HPE ProLiant servers, perimeter security FortiGate 240D, CISCO switches, and advanced scanners.

We employ a robust UTM box Fortigate 240D at the perimeter and anti-virus, Anti-spam devices, and anti-intrusion systems to protect client information and data effectively.

In addition, PSK BIM has a power station with battery backup by GE digital high-end UPS systems. Our disaster management program with regular backups is kept at a remote location. The IT team is well-trained to support the project team during disaster recovery continuously, and the backup links support data connectivity to provide 99.99% uptime.



9. Client Relationship:

Global-Local Approach to Building Lasting Relationships:

Our team is structured with leadership from Mr. Mihir Dutta, Director of Business Development (Canada), overseeing international markets, and Mr. Sudip Khan, President and Co-Founder, ensuring client relationships align with our mission. In Kolkata, Kalpak Ganguly, Manager of Business Development, handles initial sales, marketing, and client satisfaction.



10. Our Decision Makers

Mr. Sudip Khan is the Co-Founder & President, managing project execution with a team of experts, including:

- **Senior BIM Managers:**
 - Mr. Shyamal Ghosh (MEP)
 - Mr. Sumon Ghosh (ACS)
- **Project Managers – MEP:**
 - Vishaal Kumar Shaw
 - Biswajit Samanta
- **ACS - Assistant Manager:**
 - Rupali Ruppam

This team ensures quality from initial engagement to project delivery.



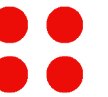
Shyamal Ghosh
Sr. Project Manager



Sudip Khan
Co-Founder and
President

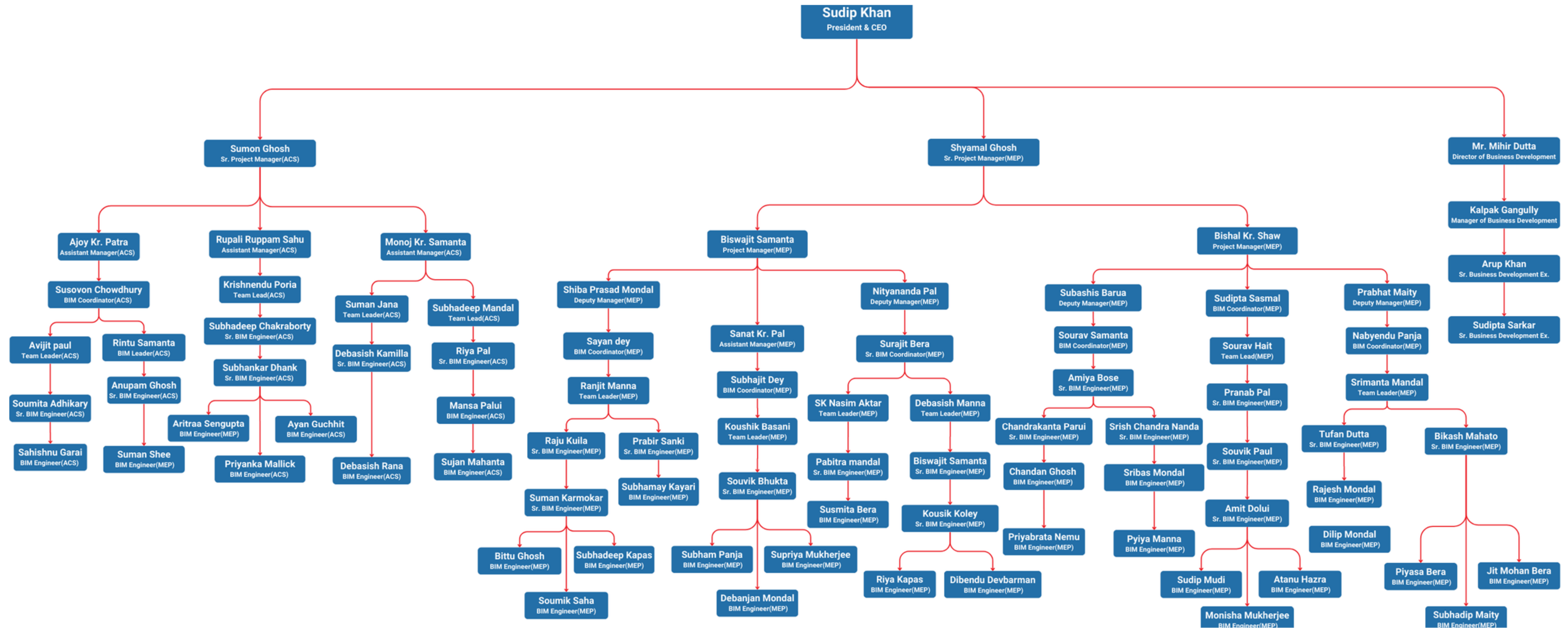


Sumon Ghosh
Sr. Project Manager



PSK BIM SERVICE

ORGANIZATIONAL CHART



CONTACT INFORMATION

Let's Build Together!



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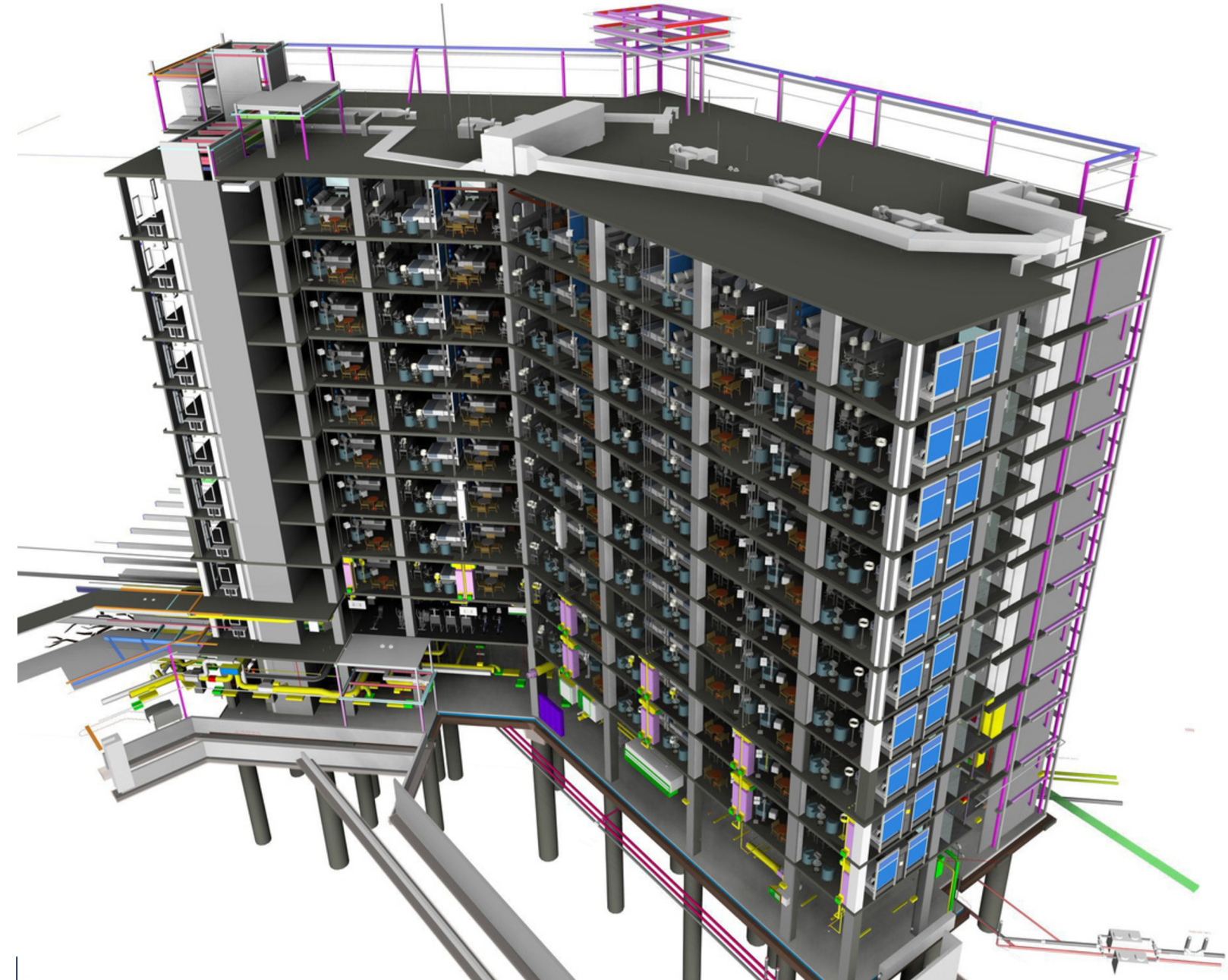
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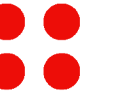
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West Bengal 700091



Contact us today for a free consultation and
let's discuss your next project.





THANK YOU

Redefining BIM Excellence!

