

Capstone: Your trusted BIM Partner for MEP Engineering Excellence

While the US is experiencing a surge in BIM adoption, India is also on the rise. Though adoption rates are lower (around 10-18% compared to the US's 71%), BIM offers similar benefits. 3D models can significantly reduce errors and rework, while empowering engineers to design sustainable buildings. As the global BIM market reaches \$10.6 billion by 2027, BIM is poised to revolutionize Indian construction. Capstone Engineering stands at the forefront of this movement, leveraging BIM expertise to deliver high-performance and cost-effective MEP solutions for your projects in India.

Our MEP BIM Expertise:

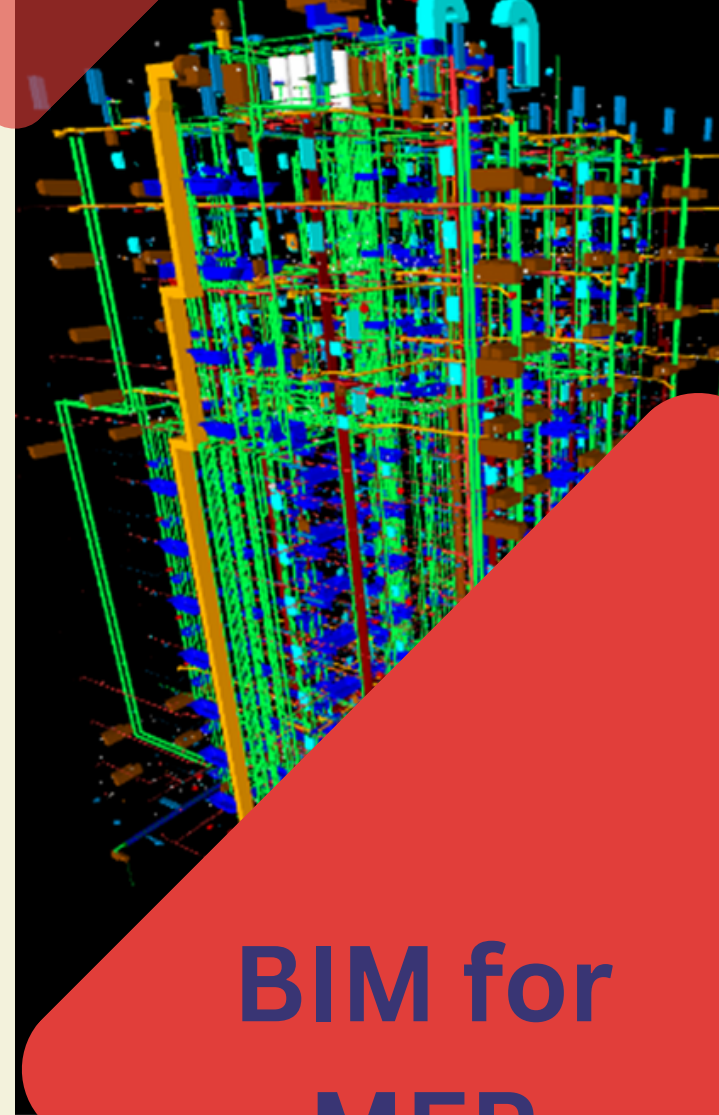
- 3D BIM Modeling for MEP
- Clash Detection and Resolution
- MEP Design Development & Coordination
- MEP Design Validation

About Capstone Engineering Solution:

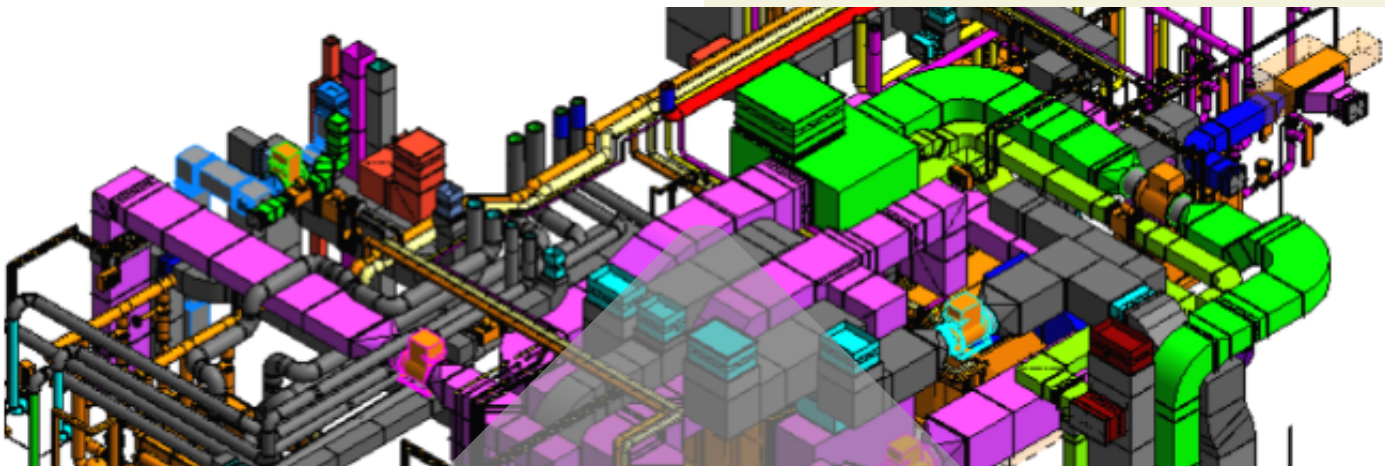
Welcome to Capstone, where innovation meets expertise in architecture, structure, MEP, and industrial services. With a proud legacy spanning over 17 years, we have emerged as a trusted partner for industry giants like Specon, Petrofac, TechnipFMC, AECOM, and Dodsai. Our journey is marked by a relentless pursuit of excellence, delivering top-notch solutions in architecture, building, house exteriors, renovations, and industrial projects.

Our Services:

- 3D BIM Modeling, Coordination & Clash Resolution (LOD 300, LOD 400)
- Shop Drawings, Riser Drawings, Sleeve Penetration/Cut-Out Drawings
- Block-out Drawings, Pre-Fabrication/Spool Drawings
- CNC Data Integration with BIM Models
- Quantity Take-offs (Pre-bid & Execution)
- Value Engineering & MEP Design Validation
- As-Built Modeling & As-Built Documentation
- Scan-to-BIM/Point Cloud to Revit Modeling
- MEP Walkthrough



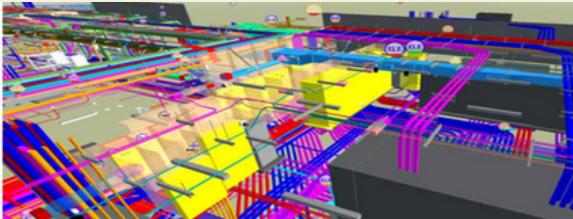
BIM for MEP



Sectors we facilitate:

- Residential Buildings
- Commercial Buildings
- Railway Stations and Airports
- Hospitals, hotels, and Resorts
- Schools and Universities
- Industrial Gas Stations
- Historical Monuments

Electrical BIM Modeling



Input – Concept Revit Model



Input - Schedule Drawings



Work Process:

MEP BIM transforms projects through collaborative 3D modeling, clash detection, and data-driven design to optimize MEP systems from conception to facility management.

Software Used:

Leveraging industry-leading BIM software like Revit MEP, AutoCAD MEP, Navisworks, Recap Pro, Fabrication CAD MEP, and Fabrication CAMDUCT, Capstone Engineering delivers cutting-edge MEP BIM solutions.

