

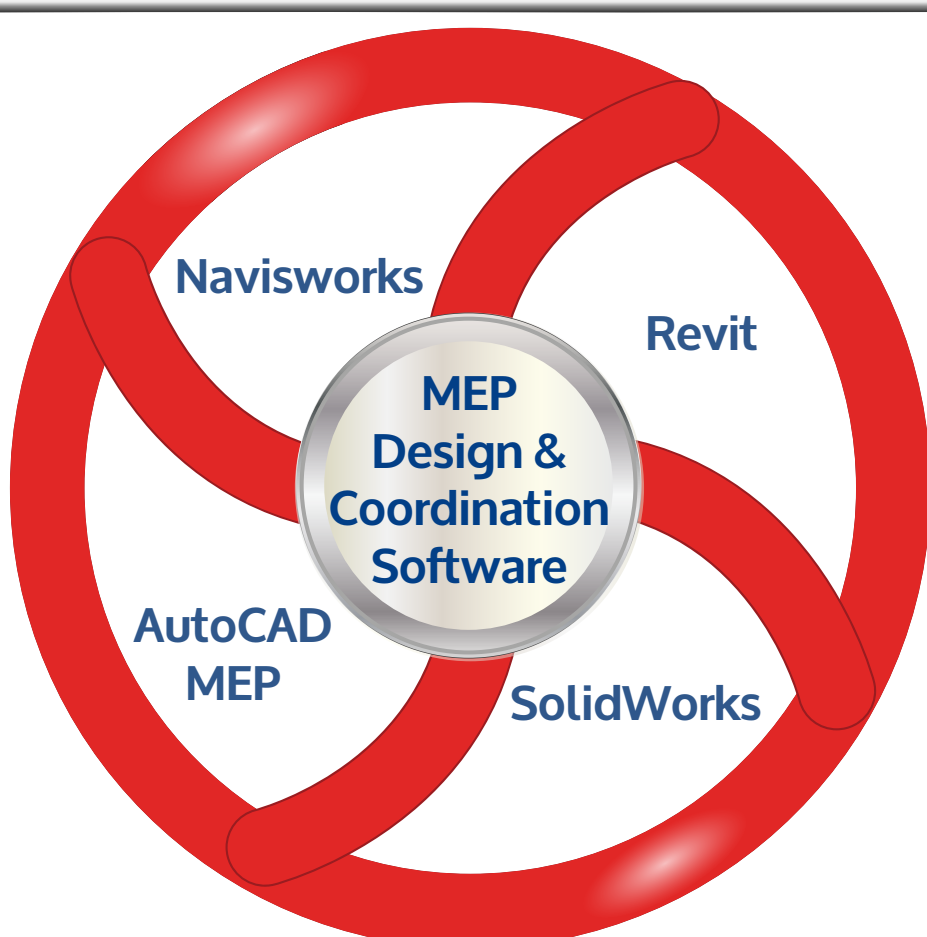
Need of MEP coordination with BIM

How we understand MEP coordination?

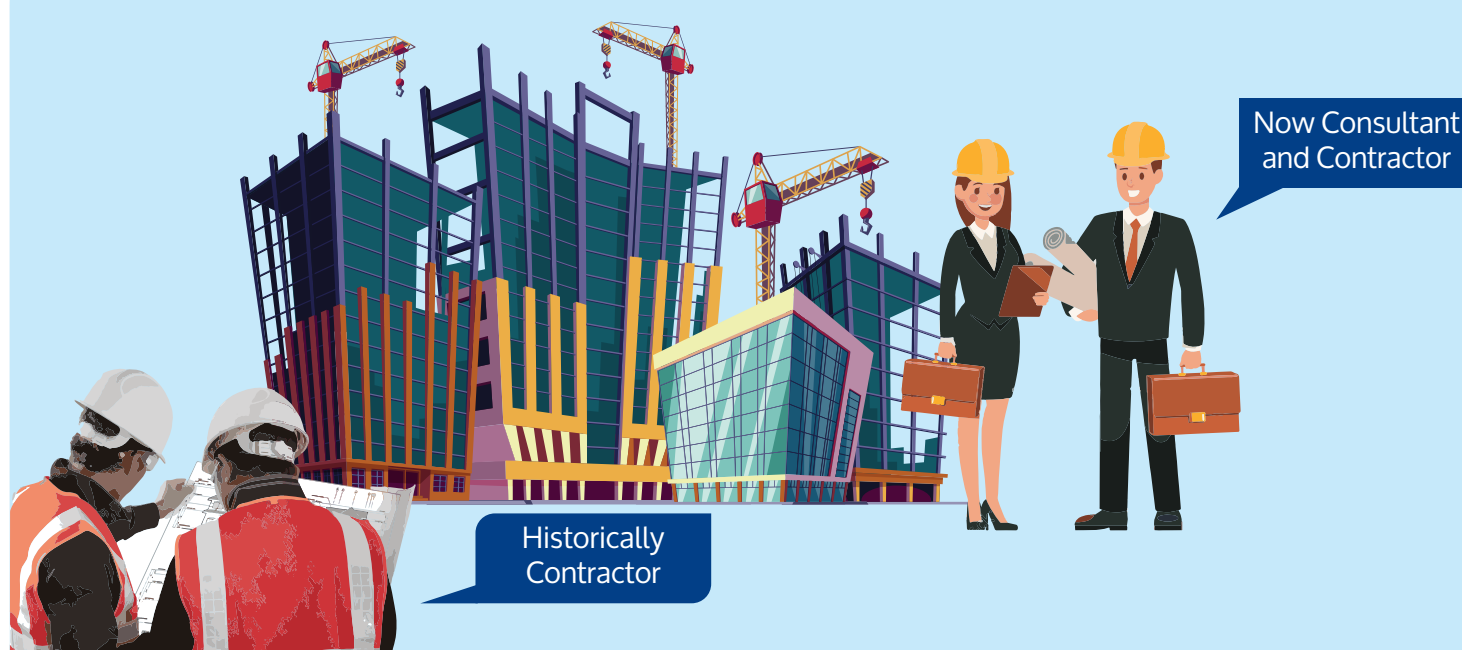
MEP coordination gives insight about spatial arrangement of MEP Components across the building facility. Technically, with BIM coordinates MEP layout with architectural designs and structural plans.

Why should you emphasize upon MEP coordination?

- ◆ Raising productivity of MEP contractors
- ◆ Improved performance of MEP & HVAC component
- ◆ Clash detection and resolution of building elements
- ◆ Enhanced fabrication, assembly and installation
- ◆ Tracked maintenance and easy replacement



Challenges faced in MEP coordination



MEP coordination using BIM platforms aligns workflows of sheet metal contractors and fabricators with MEP contractors and consultants, and increases the profitability. But even with BIM there are inherent challenges.

- ◆ Friction in design coordination between stakeholders
- ◆ Accountability for each and every sketch prepared
- ◆ Thorough understanding of fabrication and installation
- ◆ Flexibility to accommodate design changes

Global MEP contractors look for resolving these challenges and stay efficient. One option is adopting BIM platform from start for all mega projects, and on onboard BIM consultant is like silver platter.



Role of a BIM Consultant

- ◆ Developing clash-free MEP BIM-ready models
- ◆ Coordinate design schematics and guides
- ◆ Generating fabrication, spool & installation drawings
- ◆ 3D CAD modeling as per international standards
- ◆ Efficient scheduling & minimized reworks
- ◆ Revit libraries for MEPF and HVACR components
- ◆ Build lifecycle models of building MEP layout



MEP drawings and layout
Architectural drawings

Structural plans
BIM data of MEP components

BIM PLATFORMS

MEP coordinated drawings
Installation drawings

Clash reports
Generate Clash-free models