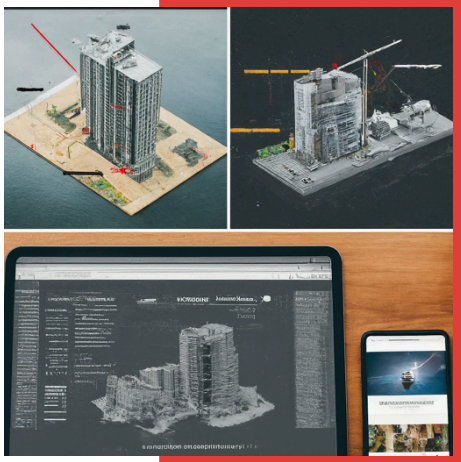
BIM SERVICES FOR MEPF

Boost Efficiency and Accuracy in MEPF Systems with Revit and a Dedicated Virtual Studio



CAPSTONE
Engineering Simplified



PARAMETRIC DESIGN WITH REVIT

COLLABORATION WITH BIM 360

WHO WE ARE

Welcome to **Capstonees**, where innovation meets expertise in architecture, structure, MEPF, 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 Dodsal. Our journey is marked by a relentless pursuit of excellence, delivering top-notch solutions in architecture, building, house exteriors, renovations, and industrial projects. We are now serving clients across USA, India, KSA, and Dubai.

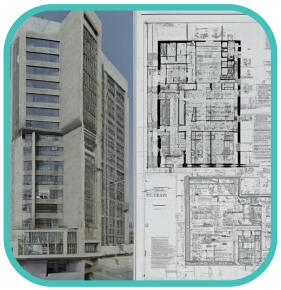
www.capstonees.com

3D MEPF MODELING:

Our skilled BIM specialists create intelligent and coordinated 3D models of MEPF systems. This facilitates clash detection, improves spatial coordination, and enables better visualization for all stakeholders.

2D DRAWING GENERATION:

We automatically generate accurate and consistent 2D drawings (plans, sections, details) from the 3D model. This reduces errors and ensures drawings reflect the latest model revisions.



ROUTING OPTIMIZATION FOR PF SYSTEMS:

We employ computational tools within the virtual studio to analyze and optimize routing for piping and ductwork systems. This minimizes pressure drops, material usage, and installation complexity.



PIPE SIZING CALCULATION:

We utilize specialized software integrated with the virtual studio to perform pipe sizing calculations. Optimize pipe diameters for efficient fluid flow based on project requirements.



SPRINKLER DESIGN ASSISTANCE:

We integrate sprinkler design software with the virtual studio. This allows for efficient sprinkler layout planning, hydraulic calculations, and code compliance verification.

