BIM SERVICES FOR ARCHITECTURE

We streamline your architectural workflows with our expert BIM modeling and coordination services.



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

CAPSTONE
Engineering Simplified



LOD 200 (SCHEMATIC DESIGN) ASMEPF MODEL



LOD 300 (DESIGN DEVELOPMENT) ASMEPF MODEL

ASMEPF Model Creation (LOD 200 to 300):
This involves developing a 3D model of the Architectural, Structural, Mechanical, Electrical, Plumbing, and Fire Protection (ASMEPF) systems within the building. At LOD 200 (Schematic Design), the model will have general layouts and sizes for these systems. By LOD 300 (Design Development), the model will be more detailed, including specific equipment types, routing of pipes and ducts, and preliminary calculations for sizing.

2D Drawing Generation (LOD 200 to 300):
BIM software will be used to automatically generate architectural drawings (floor plans, sections, elevations) based on the 3D model. As the LOD increases from 200 to 300, the drawings will become more detailed and include additional information like dimensions, annotations, and material specifications.



Design Assistance:
Our BIM specialists can collaborate with your architects to optimize the design based on constructability, code compliance, and efficiency. They can use the BIM model to identify potential conflicts between different building systems and suggest solutions.



A brightly lit office space taking shape in a BIM model, showcasing intricate details like suspended ceilings, light fixtures, and furniture layouts



A close-up view of a BIM model focusing on the building envelope, where the architect is analyzing the placement of windows and their impact on natural light penetration.



A 3D BIM model walkthrough of a high-rise residential building under construction, highlighting the integration of MEP (Mechanical, Electrical, and Plumbing) systems within the architectural design.

