

Capstone: Your trusted BIM Partner for Structural Engineering Excellence

Dubai's booming construction scene, fueled by innovation and ambitious projects, is witnessing a surge in Structural BIM adoption (20-30% estimated). This rise reflects recognition of BIM's power to unlock collaboration minimizing errors and speeding up projects. Furthermore, BIM promotes sustainable design, aligning with Dubai's green vision (reference Dubai Plan 2040/Dubai Green Building Regulations Code). As the global BIM market reaches \$10.6 billion by 2027, BIM is poised to become an essential tool shaping Dubai's construction future. Capstone Engineering stands at the forefront, offering structural BIM expertise for high-performance and cost-effective solutions in Dubai. Let's build a smarter, more sustainable Dubai with Structural BIM.

Structural BIM Expertise:

- CIP and Precast
- Rebar/Reinforcement Contractors
- Framing and Drywall Contractors

About Capstone Engineering Solution:

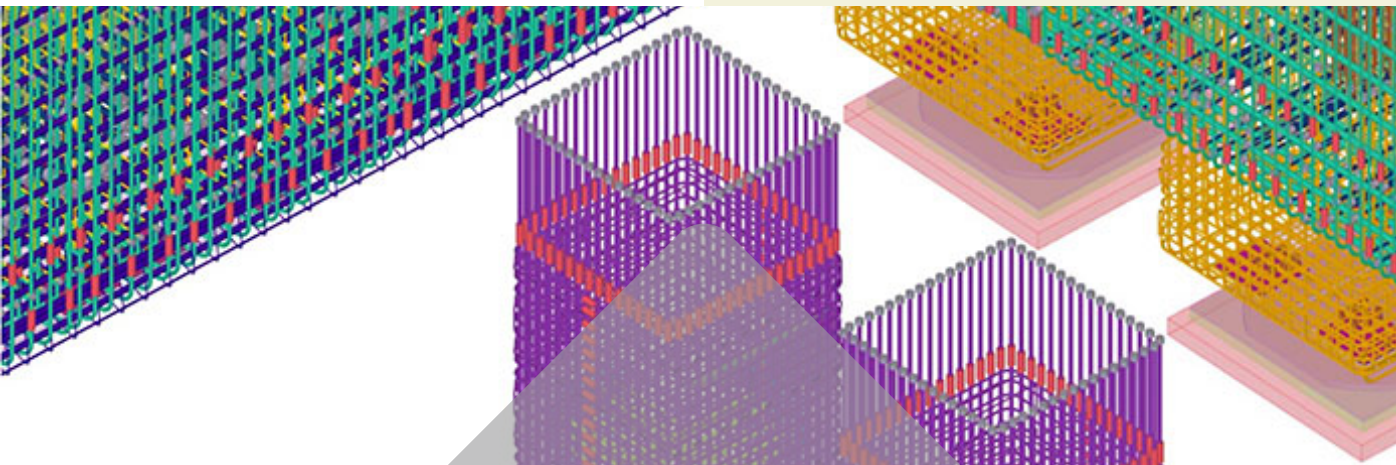
Welcome to Capstone, where innovation meets expertise in architecture, structure, MEP, and industrial services. With a proud legacy spanning over 17 years, we have emerged as a trusted partner for industry giants like Specon, Petrofac, TechnipFMC, AECOM, and Dodsai. Our journey is marked by a relentless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

Our Services:

- Constructability Analysis
- 3D Element Modeling
- 3D Rebar Modeling
- 3D Modeling for Buildings
- Construction Drawings/Shop Drawings/Fabrication Drawings
- Quantity Take-Off
- As-Built Modeling and Drawings



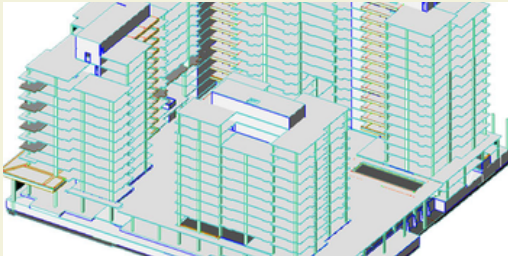
BIM for Structure



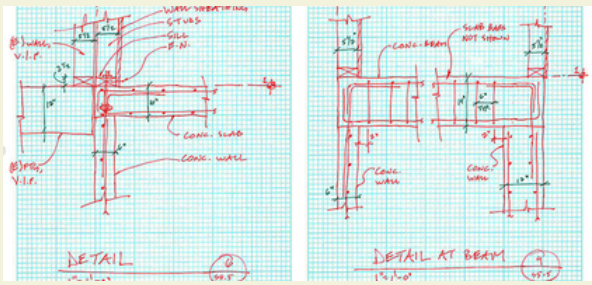
Sectors we facilitate:

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

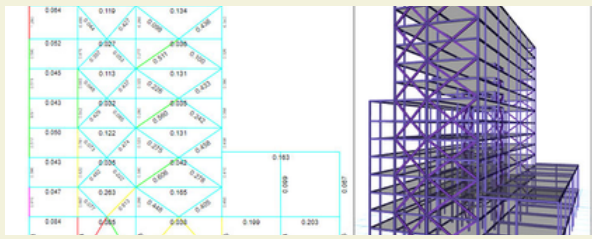
Structural BIM Modeling



Detailed Design Input



BIM Structural Analysis



Work Process:

Capstone Engineering uses Structural BIM to transform your project. We craft accurate 3D models, conduct constructability analysis to identify potential issues early, prioritize performance-driven design, and adhere to international standards while customizing to your specific needs.

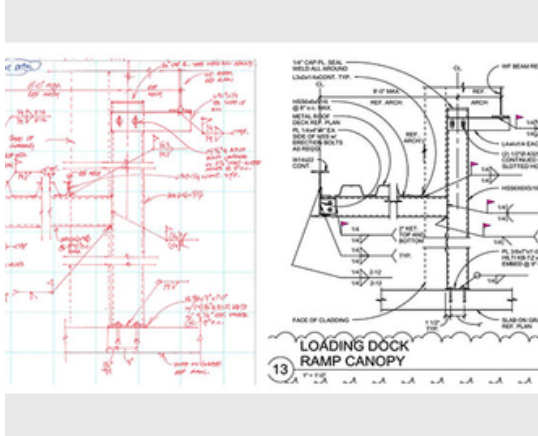
Software Used:

Leveraging industry-leading BIM software like Revit Structure, STAAD.Pro, ETABS, RISA, and SAP2000, Capstone Engineering delivers cutting-edge Structural BIM solutions.



Structural Project Samples

Detailed Structural Engineering Drawings



Building with columns, beams, trusses, & slabs in a wireframe view



Detailed Structural BIM model featuring a multi-story office building

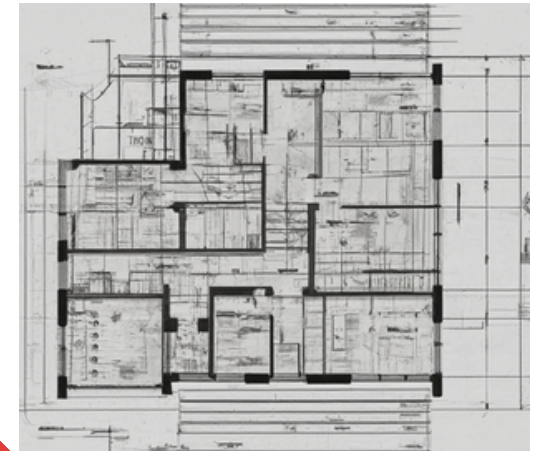


Structural Design Validation



We engineer structural systems with BIM, optimizing performance, sustainability, and seamless building integration.

Structural BIM Drawings



Contact Us

Contact us today for a free consultation to discuss your specific needs and see how structural BIM solutions can optimize your AEC project.

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