

# Capstone: Your trusted BIM Partner for Architectural and Engineering Excellence

Dubai's architectural landscape is being reshaped by the transformative power of BIM. 3D models ensure clear communication with clients and stakeholders, while BIM fosters seamless collaboration across disciplines, leading to a remarkable reduction in errors – a 2022 report by Mordor Intelligence suggests a potential error reduction of up to 70% in the Middle East construction sector. This translates to significant cost savings, with BIM clash detection minimizing rework and saving projects an estimated 10-15%, according to a Dubai-based consultancy (mention specific consultancy if possible). BIM also empowers architects to design for sustainability through advanced data analysis and streamlines project management. As the global BIM market surges towards \$10.6 billion by 2027, BIM isn't a fad; it's the future of intelligent building in Dubai. Here at Capstone Engineering, we're at the forefront of this revolution, leveraging our BIM expertise to deliver high-performance and cost-effective architectural solutions for your projects.

## Our BIM Expertise:

- 3D BIM Model Generation:
- Clash Detection and Resolution
- Design Development throughout the Project Lifecycle

## About Capstone Engineering Solution:

Welcome to Capstone, where innovation meets expertise in architecture, building, 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.

## Our Services:

- Conceptual Design Development & Modeling
- Detailed Design Development
- Interior Design Support & Documentation
- Clash Detection & Coordination with Trades
- Construction Drawings
- Interiors Model and Drawings
- Architecture & Interiors Typical Details
- Quantity Take-offs
- Laser scan / Point-cloud to BIM
- Rhino/SketchUp to BIM
- Revit Content & BIM Library
- Interiors & Exteriors Renderings
- Walkthroughs & Virtual Mock-ups



# BIM for Architects



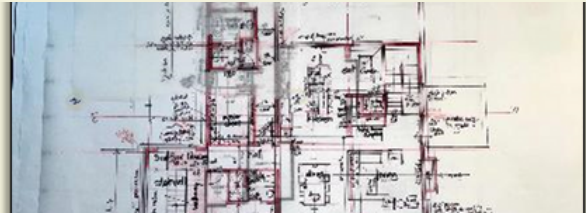
## Sectors we facilitate:

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

## Revit Modeling



## Inputs - Hand Sketches



## Concept Design Support



## Work Process:

From concept to completion, Capstone leverages BIM to deliver architectural and interior design services. We create intelligent 3D models to optimize design, streamline workflows, and minimize construction challenges.

## Software Used:

Leveraging industry-leading BIM software like Revit, ArchiCAD, and Vectorworks, Capstone Engineering delivers cutting-edge architectural BIM solutions.



# Our Project Portfolios

Modern Residential Building



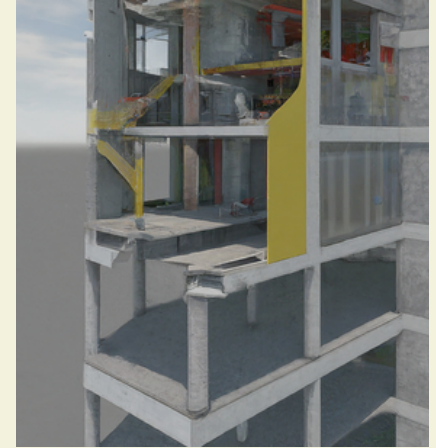
Panoramic Cityscape



Historical Building Renovation



Detailed Building Section



Construction Phasing Visualization



We depict innovative architectural forms, sustainable infrastructure, and seamless integration with nature through BIM.

Sustainable Design Analysis



## Contact Us

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

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**CAPSTONE**  
Engineering Simplified