



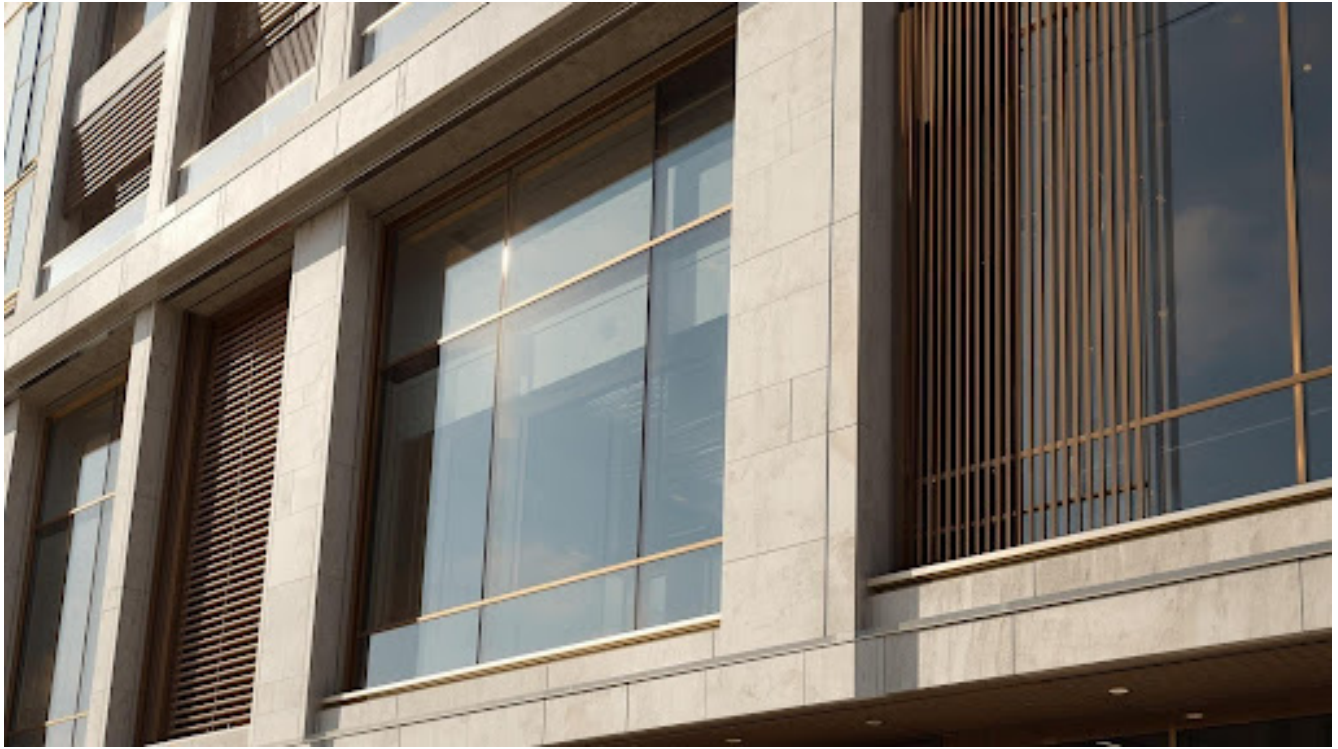
Architectural & Facade BIM Modeling with Multidisciplinary Coordination for Hospitality Development

(BIM Modeling, Facade Development & BIM/VDC Coordination Services.)

CASE STUDY



TECHTURE



Client : Owner

Team Size : 7 No.s (BIM Engineer & BIM Coordinator)

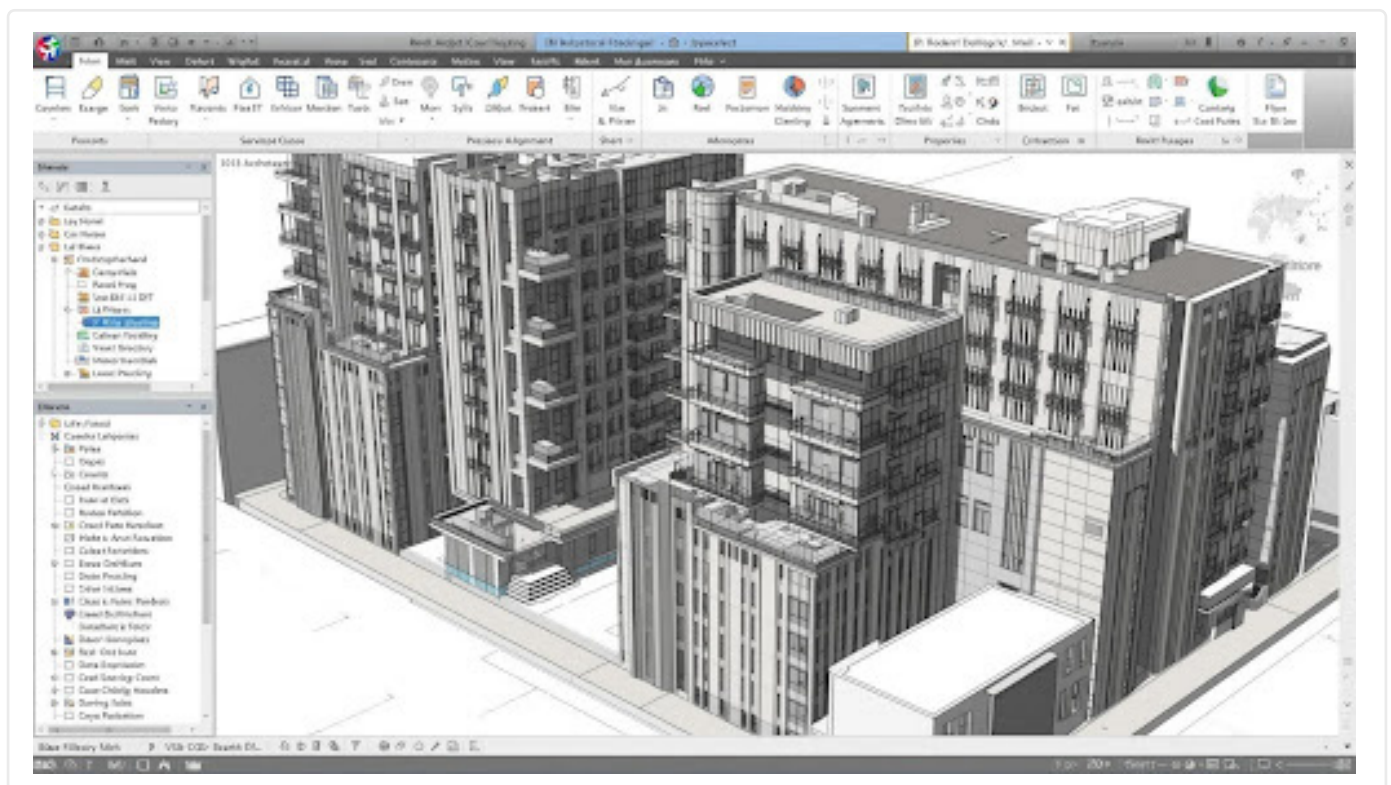
Disciplines : Architecture & Facade

Duration : 3 Month

Type : Hospitality

Software : "Autodesk Revit & Navisworks Manage"

Location : Saudi Arabia, KSA



Project Overview

Techture delivered architectural and façade BIM modeling with multidisciplinary coordination for a hospitality development project. The scope focused on detailed modeling of hotel and serviced apartment assets, ensuring design intent and operational efficiency. Using Autodesk Revit and Navisworks Manage, the team enabled seamless coordination across disciplines. The outcome ensured clash-free models and high-quality deliverables aligned with project milestones.

Scope and Deliverables

- ❏ Develop detailed architectural BIM models for hospitality units and spaces.
- ❏ Create façade BIM models aligned with design intent and performance criteria.
- ❏ Perform multidisciplinary coordination with structure, MEPF, ID & landscape teams.
- ❏ Execute clash detection using Navisworks and resolve coordination issues.
- ❏ Deliver Revit models, NWD files, CAD exports & PDF documentation outputs.

Challenges

- ❏ Coordinating multiple disciplines within complex hospitality design environments.
- ❏ Maintaining façade accuracy with design intent and performance requirements.
- ❏ Managing frequent updates with continuous client revisions and inputs.

Techture Approach

- ❏ Developed coordinated BIM models integrating architecture and façade elements.
- ❏ Conducted regular clash detection and coordination review sessions.
- ❏ Incorporated client feedback through structured model update workflows.
- ❏ Ensured timely delivery aligned with project milestones and requirements.

Benefits

- ❏ Improved coordination with clash-free multidisciplinary BIM models.
- ❏ Enhanced design quality through accurate façade and architectural modeling.
- ❏ Reduced rework with efficient clash detection and resolution workflows.
- ❏ Streamlined deliverables with well-structured BIM and documentation outputs.