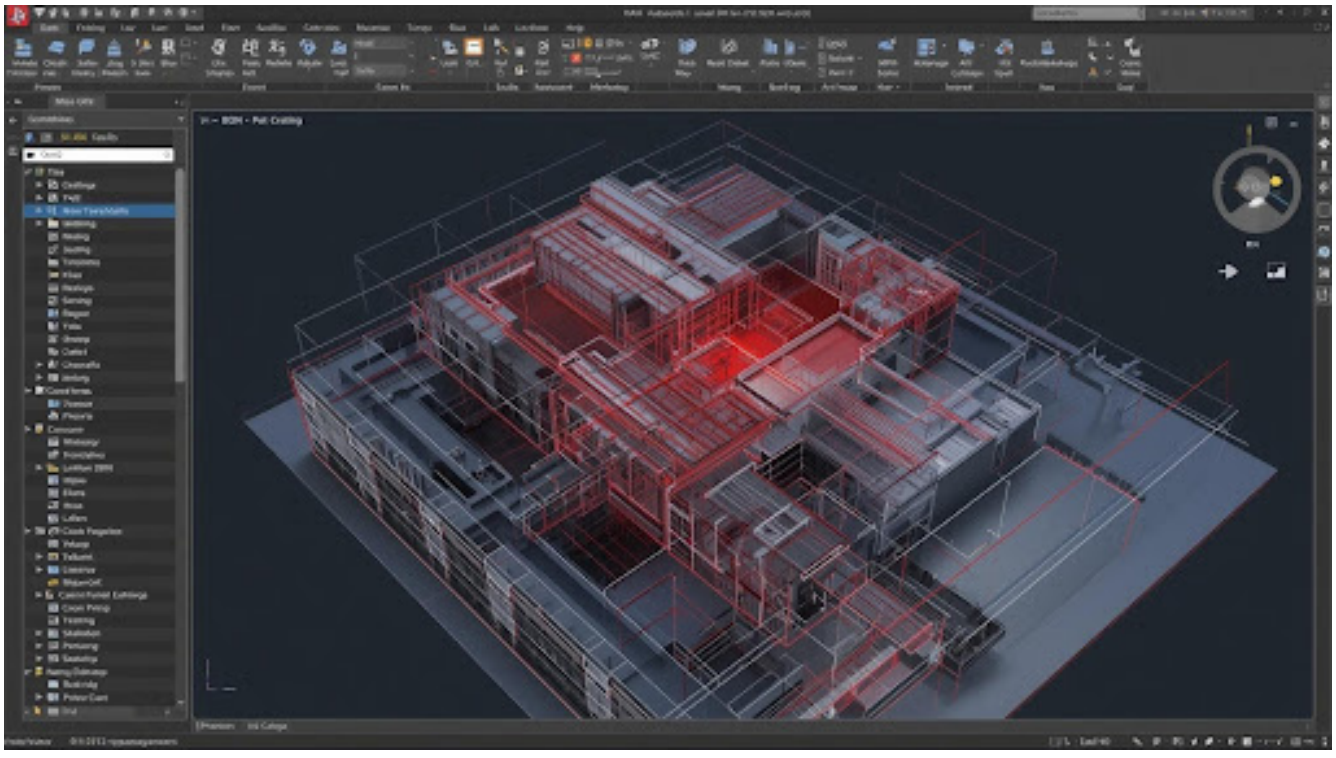
Architectural BIM Modeling & Multidisciplinary Coordination for Mixed-Use Cultural Development

(BIM Modeling & Multidisciplinary Coordination Services)

CASE STUDY

TECHTURE

Client	: Government Development Authority	**Team Size**	: 4 No.s (BIM Engineer & BIM Coordinator)
Disciplines	: Architecture	**Duration**	: 3 Month
Type	: Institutional	**Software**	: Autodesk Revit & Navisworks
Location	: Saadiyat Island, Abu Dhabi, UAE		



Project Overview

Techture delivered architectural BIM modeling and multidisciplinary coordination for a mixed-use cultural development project. The scope focused on developing detailed BIM models and ensuring seamless integration across disciplines. Using Autodesk Revit and Navisworks, the team enabled coordinated, clash-free design workflows. The outcome ensured high-quality documentation and efficient project execution aligned with client standards.

Scope and Deliverables

- Develop architectural BIM models and detailed drawings aligned with design intent.
- Perform multidisciplinary coordination with structural, MEPF & landscape teams.
- Manage model cleaning, optimization & data compliance with client standards.
- Prepare PDF, DWG & CAD deliverables as per submission milestones.

Challenges

- Coordinating diverse functions within complex mixed-use cultural development spaces.
- Ensuring consistency across multiple disciplines and large BIM datasets.
- Maintaining data accuracy with strict client standards and file protocols.

Techture Approach

- Developed structured BIM models aligned with project and client requirements.
- Implemented clash detection and coordination workflows using Navisworks.
- Maintained clean and optimized models for efficient data management.
- Delivered standardized documentation aligned with submission guidelines.

Benefits

- Improved coordination with integrated and clash-free multidisciplinary BIM models.
- Enhanced data quality through clean, optimized, and standardized models.
- Streamlined deliverables with well-structured documentation and file management.
- Increased efficiency with coordinated BIM workflows across all disciplines.