



Advanced Architectural BIM Modeling & Coordination for Food & Entertainment Center (FEC)

(BIM Modeling, Space Planning & BIM/VDC Coordination Services)

CASE STUDY



TECHTURE



Client : Owner

Team Size : 5 No.s (BIM Engineer & BIM Coordinator)

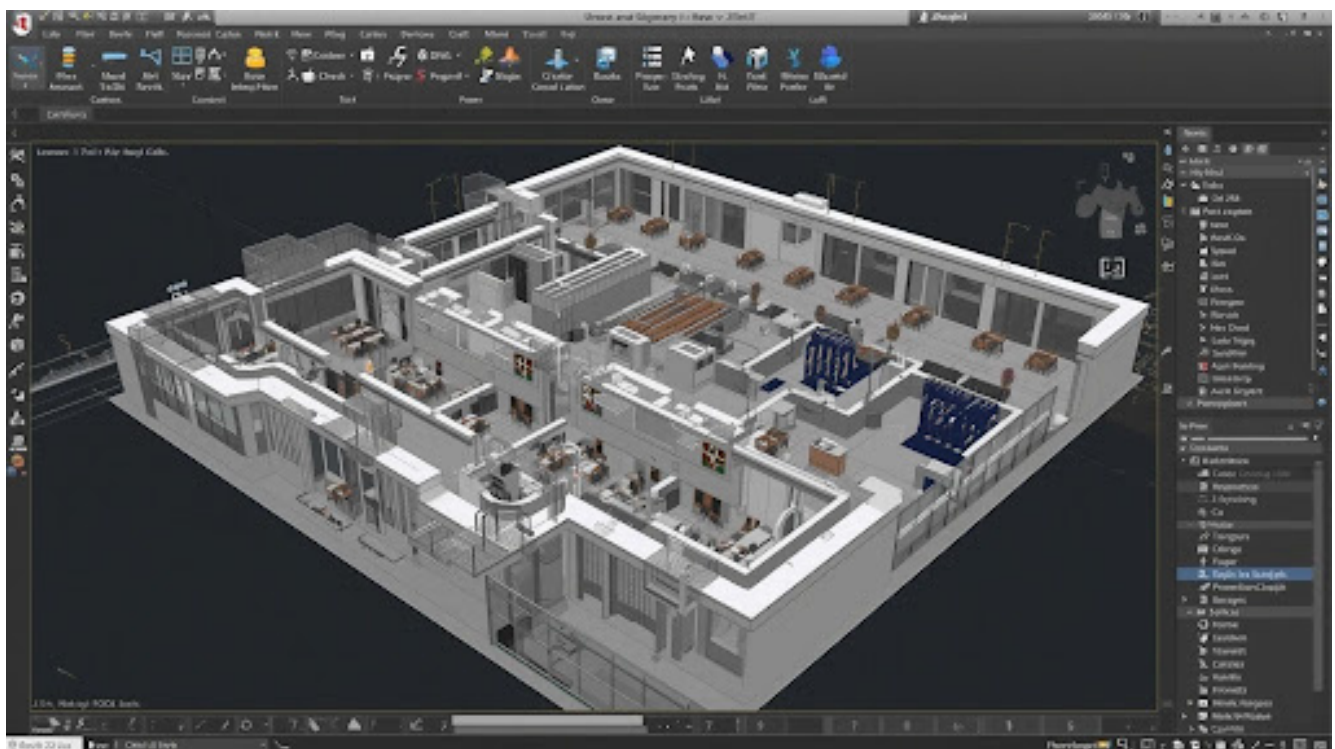
Disciplines : Architecture

Duration : 2 Month

Type : Hospitality

Software : Autodesk Revit & Navisworks Manage

Location : Saudi Arabia, KSA



Project Overview

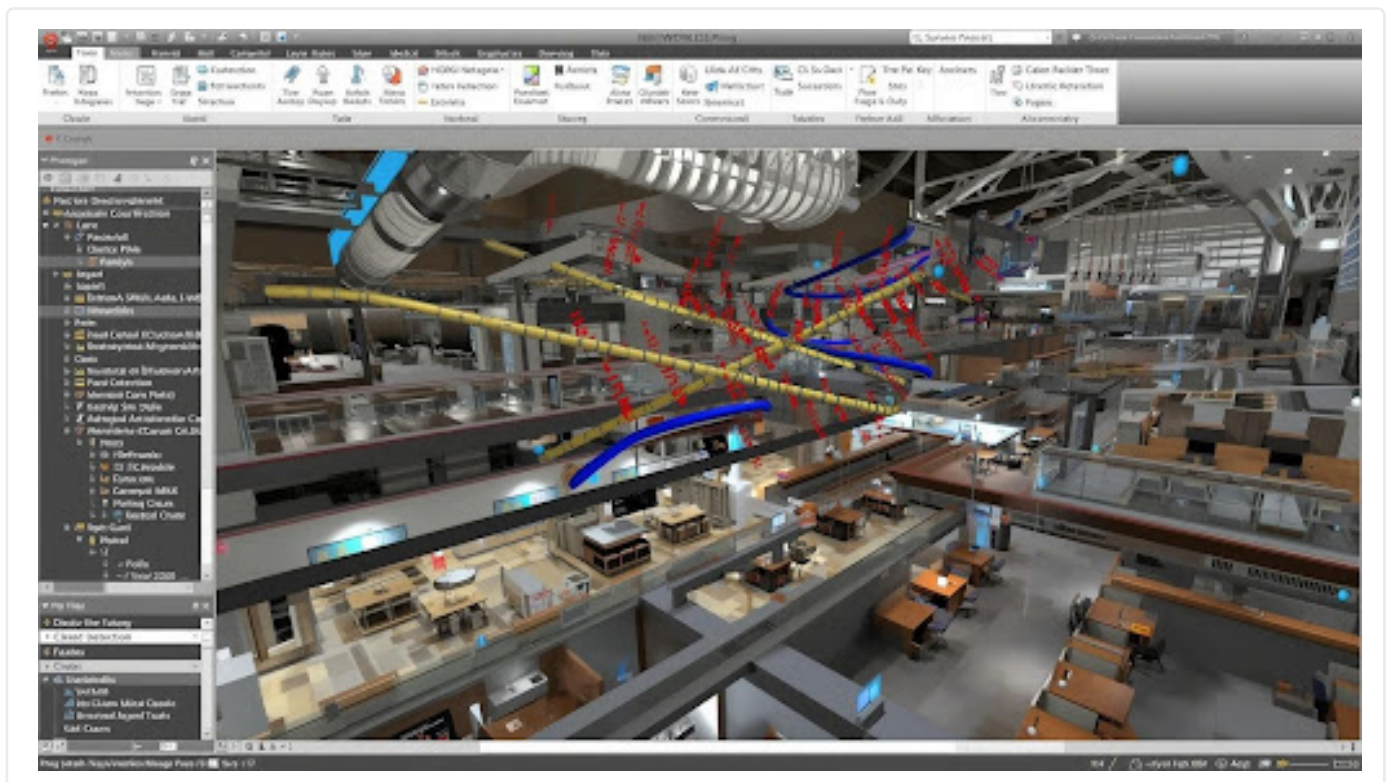
Techture delivered advanced architectural BIM modeling and coordination for a Food & Entertainment Center (FEC) within a hospitality project. The scope focused on high-footfall environments, optimizing tenant layouts, dining zones, and service areas. Using Autodesk Revit and Navisworks Manage, the team ensured seamless multidisciplinary coordination. The outcome enabled efficient space planning and clash-free project execution.

Scope and Deliverables

- ❏ Develop architectural BIM models for food court and entertainment spaces.
- ❏ Plan zoning for dining, circulation, kitchen & service access areas.
- ❏ Perform multidisciplinary coordination with structure, MEPF, ID & landscape teams
- ❏ Execute clash detection and resolution using Navisworks workflows.
- ❏ Deliver Revit models, NWD files, CAD exports & PDF documentation outputs.

Challenges

- ❏ Managing high footfall space planning and complex tenant layouts.
- ❏ Coordinating multiple disciplines within dense service and operational zones.
- ❏ Adapting to frequent design updates and client-driven changes.



Techture Approach

- 📦 Developed efficient zoning strategies for optimized space utilization.
 - 📦 Implemented structured clash detection and coordination workflows.
 - 📦 Conducted regular coordination reviews across all disciplines.
 - 📦 Incorporated client feedback through iterative BIM model updates.
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Benefits

- 📦 Improved efficiency with optimized layouts for high-footfall environments.
- 📦 Reduced conflicts through clash-free coordinated BIM models.
- 📦 Enhanced project delivery with streamlined coordination workflows.
- 📦 Ensured better planning via well-structured architectural BIM outputs.