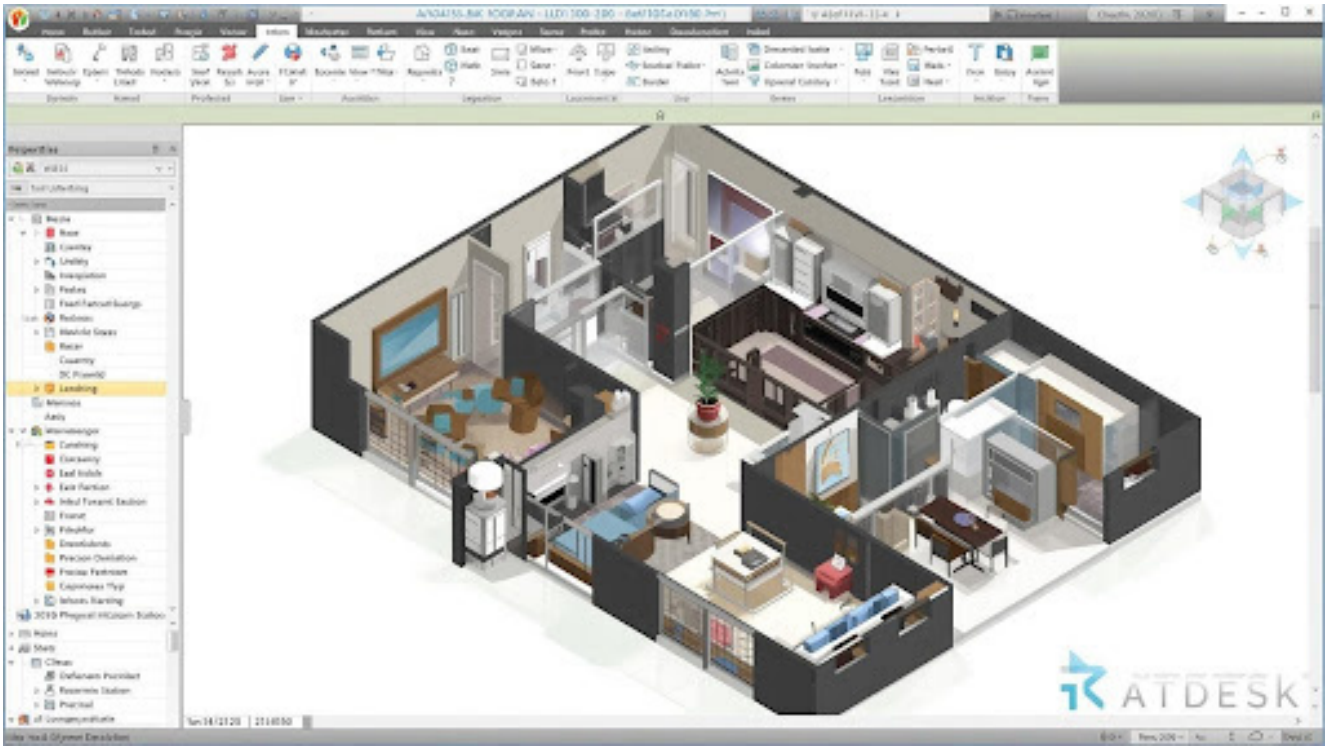
Interior BIM Modeling, Family Creation& Design Coordination for Residential Project

(BIM Modeling, Revit Family Creation and BIM & VDC Coordination Services)

CASE STUDY

TECHTURE

Client	: Residential Developer	**Team Size**	: 4 No.s (BIM Engineer & BIM Coordinator)
Disciplines	: Architecture	**Duration**	: 2 Month
Type	: Residential	**Software**	: Autodesk Revit
Location	: Dubai, UAE		



Project Overview

Techture delivered interior BIM modeling, family creation, and design coordination for a residential project covering multiple unit types and amenity spaces. The scope focused on aligning interior design intent with BIM standards and project requirements. Using Autodesk Revit, the team ensured structured model development and seamless coordination. The outcome enabled accurate documentation and efficient design management across all units.

Scope and Deliverables

- Develop interior BIM models and drawings for 24 residential unit types.
- Create Revit families aligned with project standards and design intent.
- Set up project base files, worksets, view templates & BIM standards.
- Perform model coordination, revisions handling & design updates integration.
- Implement quality checks and deliver accurate BIM documentation outputs.

Challenges

- Managing multiple unit types with varying interior layouts and requirements.
- Ensuring consistency across families, standards, and documentation outputs.
- Handling frequent design revisions and coordination inputs.

Techture Approach

- Established standardized BIM setup aligned with BEP guidelines.
- Developed parametric families for consistent and scalable modeling.
- Conducted regular coordination and model update workflows.
- Applied strict QA/QC checks for model accuracy and documentation quality.

Benefits

- Improved efficiency with standardized BIM workflows and family libraries.
- Enhanced coordination through well-managed model updates and revisions.
- Delivered accurate outputs with quality-controlled BIM documentation.
- Enabled scalability with structured modeling for multiple unit types.