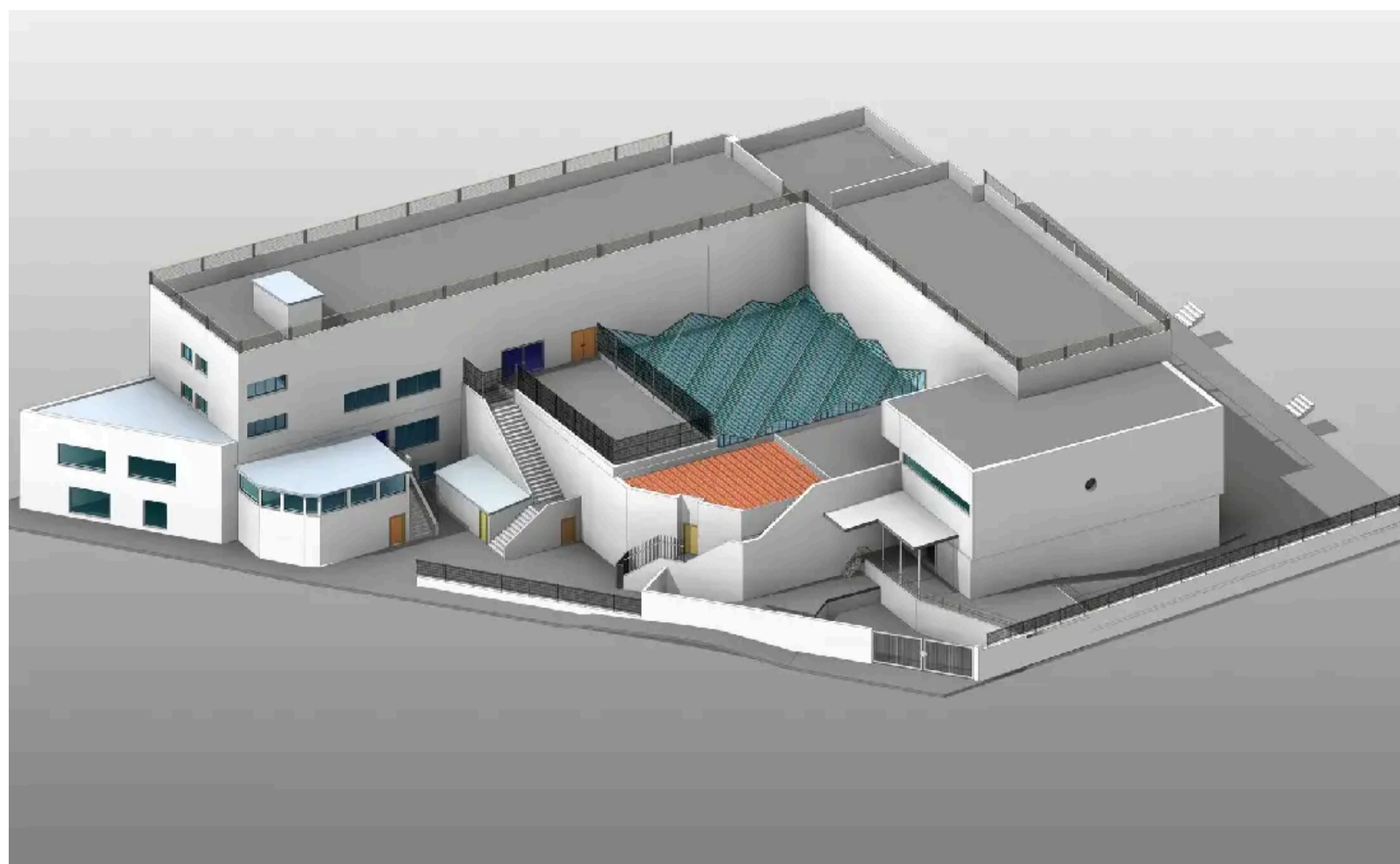
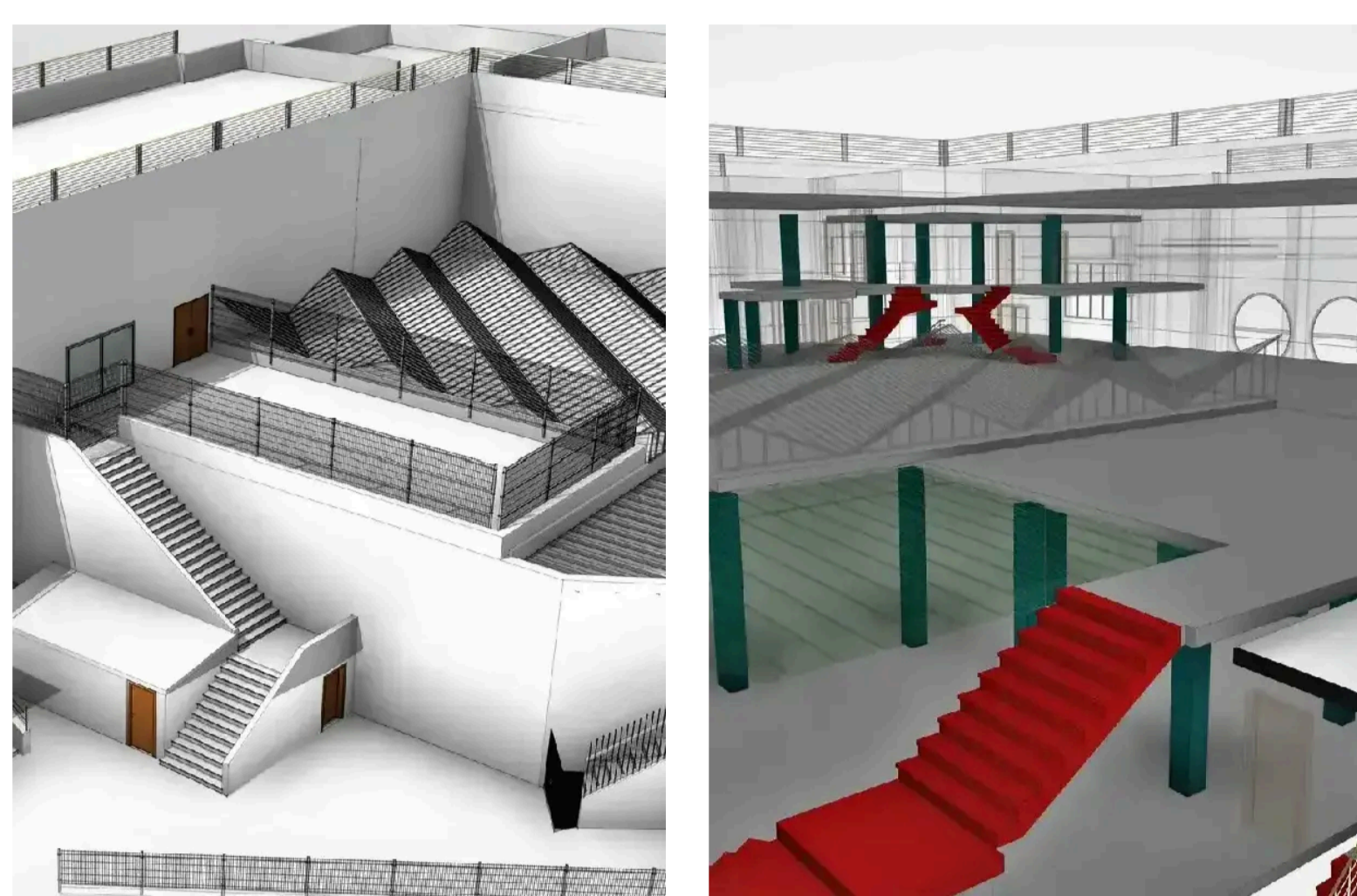


Revit Modeling of a Villa in Spain



Project Details

- Project Name**
Revit Modeling of a Villa in Spain
- Location**
Spain
- Project Type**
BIM Modeling
- Type of Building**
Residential Villa
- Software**
Autodesk Revit
- LOD**
300

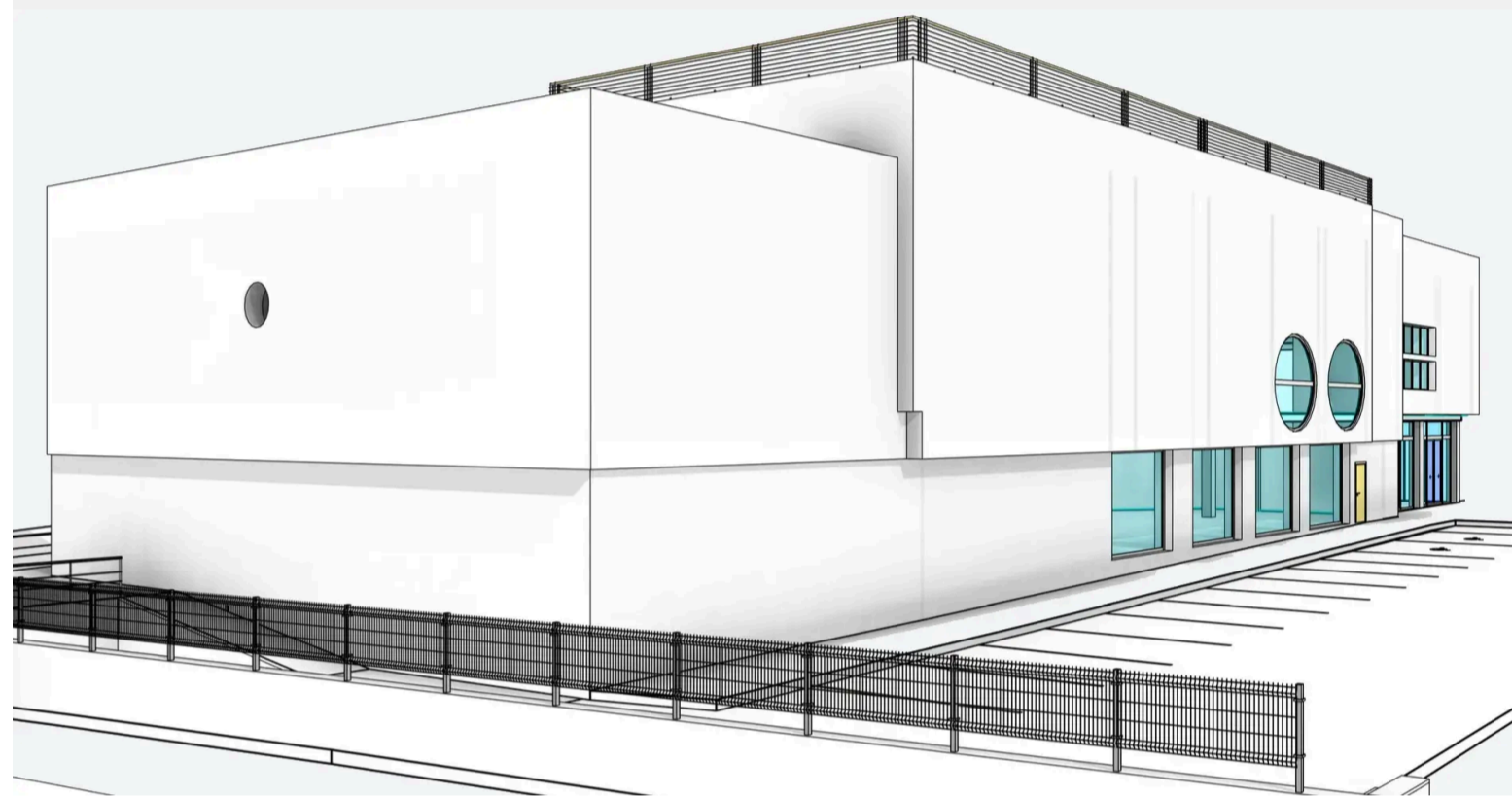
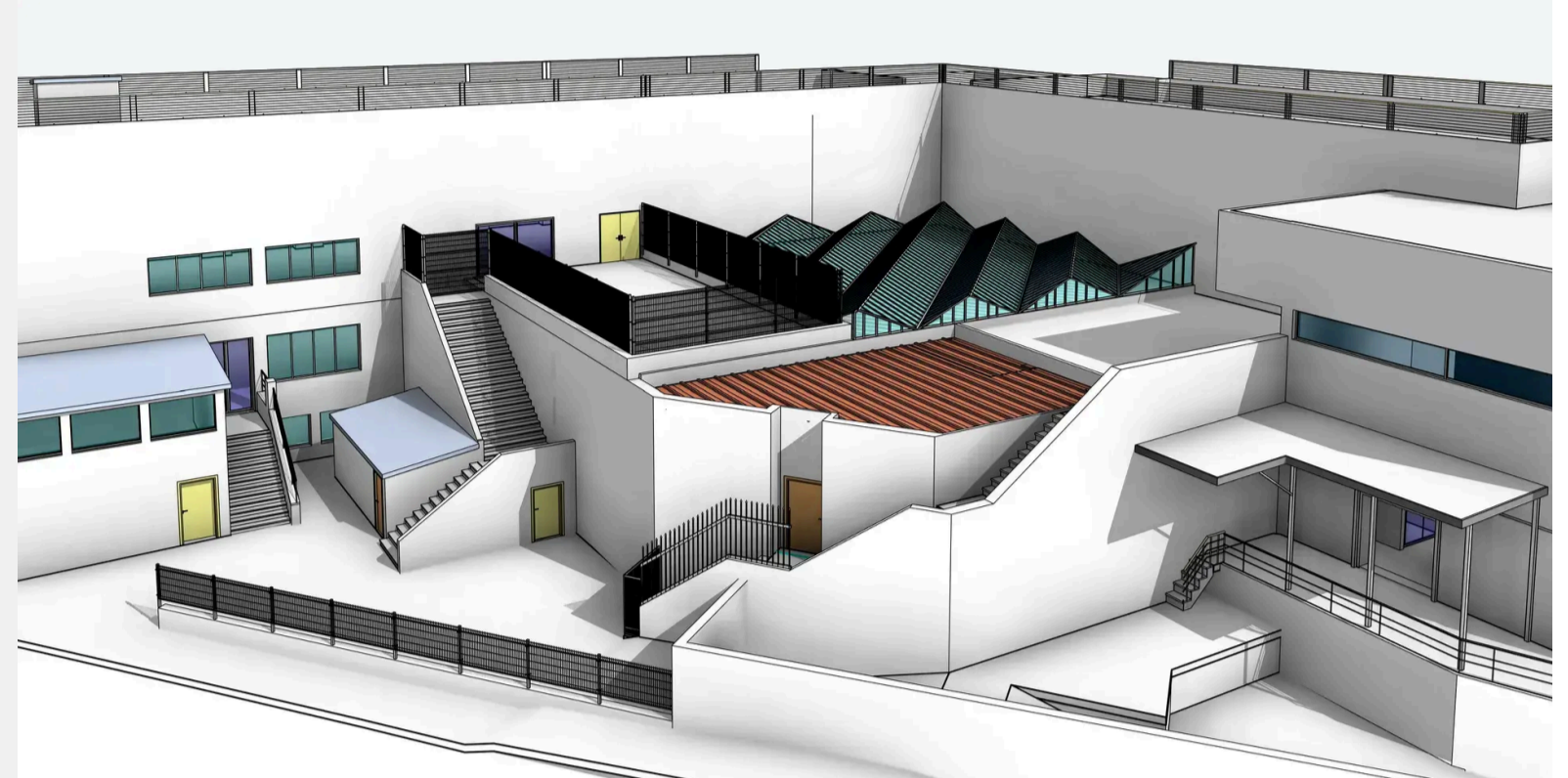


Project Overview

The project involved developing a detailed Revit-based BIM model for an existing residential villa in Spain. The client required an accurate digital representation of the villa to support renovation planning and informed decision-making. The modeling was carried out at LOD 300, based on architectural drawings provided in PDF format, ensuring alignment with the existing building conditions.

Client Requirement

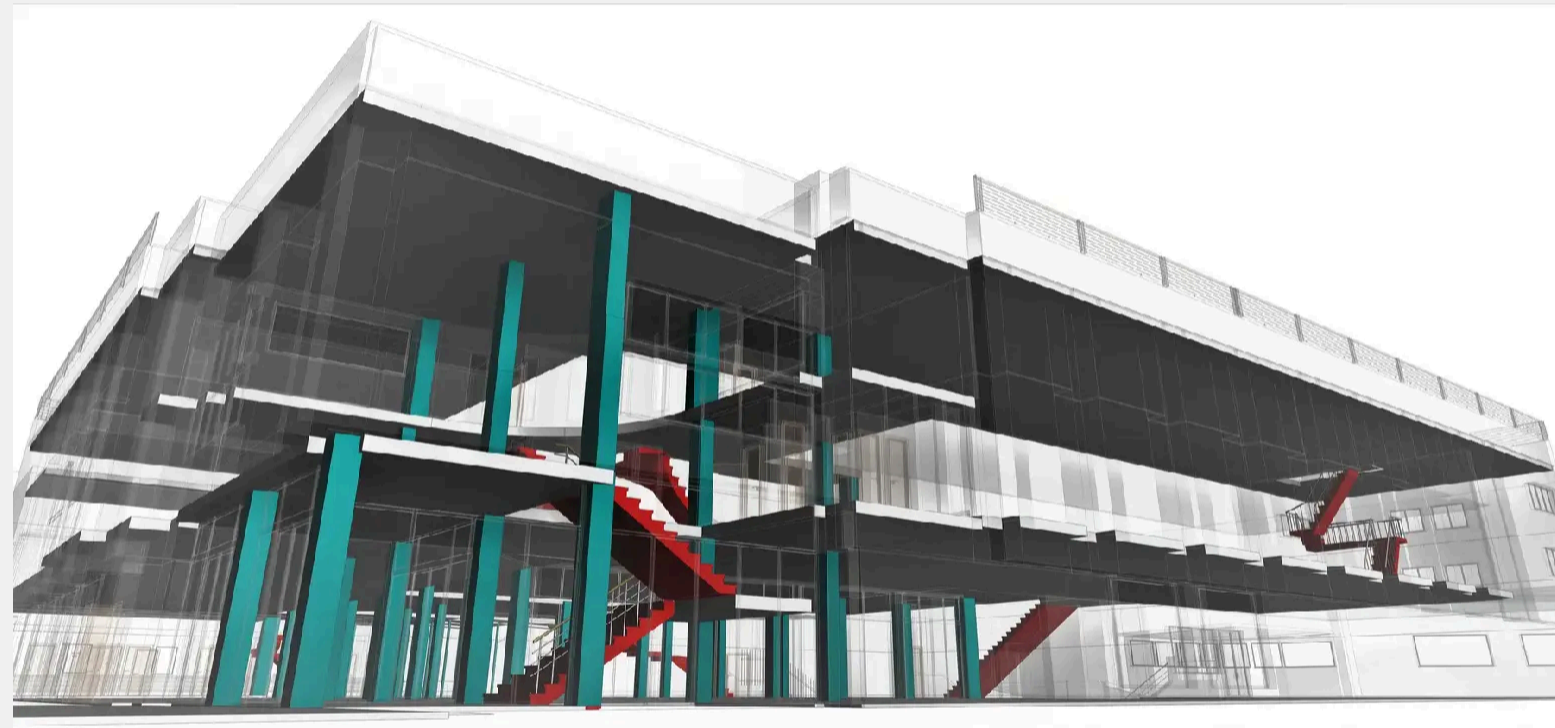
The client sought a comprehensive architectural and structural BIM model to assess the existing structure, identify elements suitable for retention, and plan demolition and reconstruction activities effectively. The objective was to reduce unnecessary demolition while improving space utilization within the villa.



Scope of Work

Tesla Outsourcing Services developed architectural and structural 3D models in **Autodesk REVIT** using the client-provided floor plans and a single section drawing. The scope included modeling key building components such as walls, slabs, doors, windows, columns, ceilings, staircases, ramps, railings, and parking areas, all developed in accordance with LOD 300 standards.

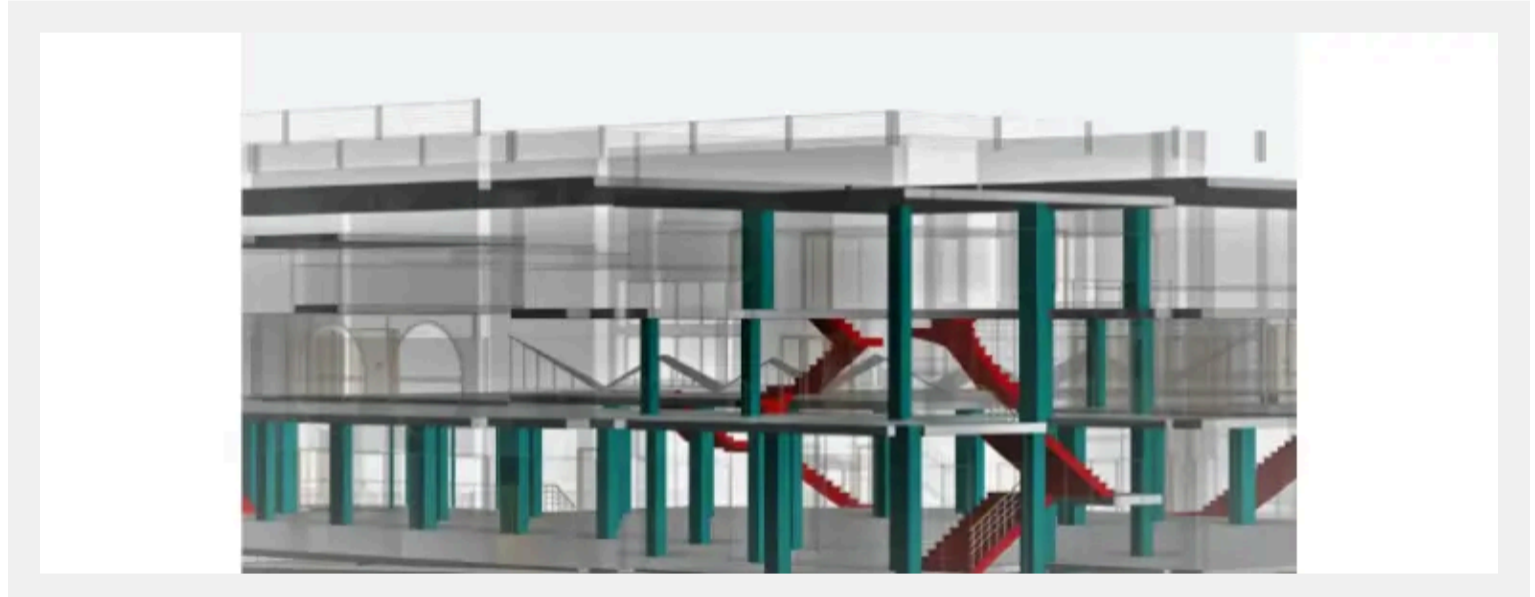
Project Highlights



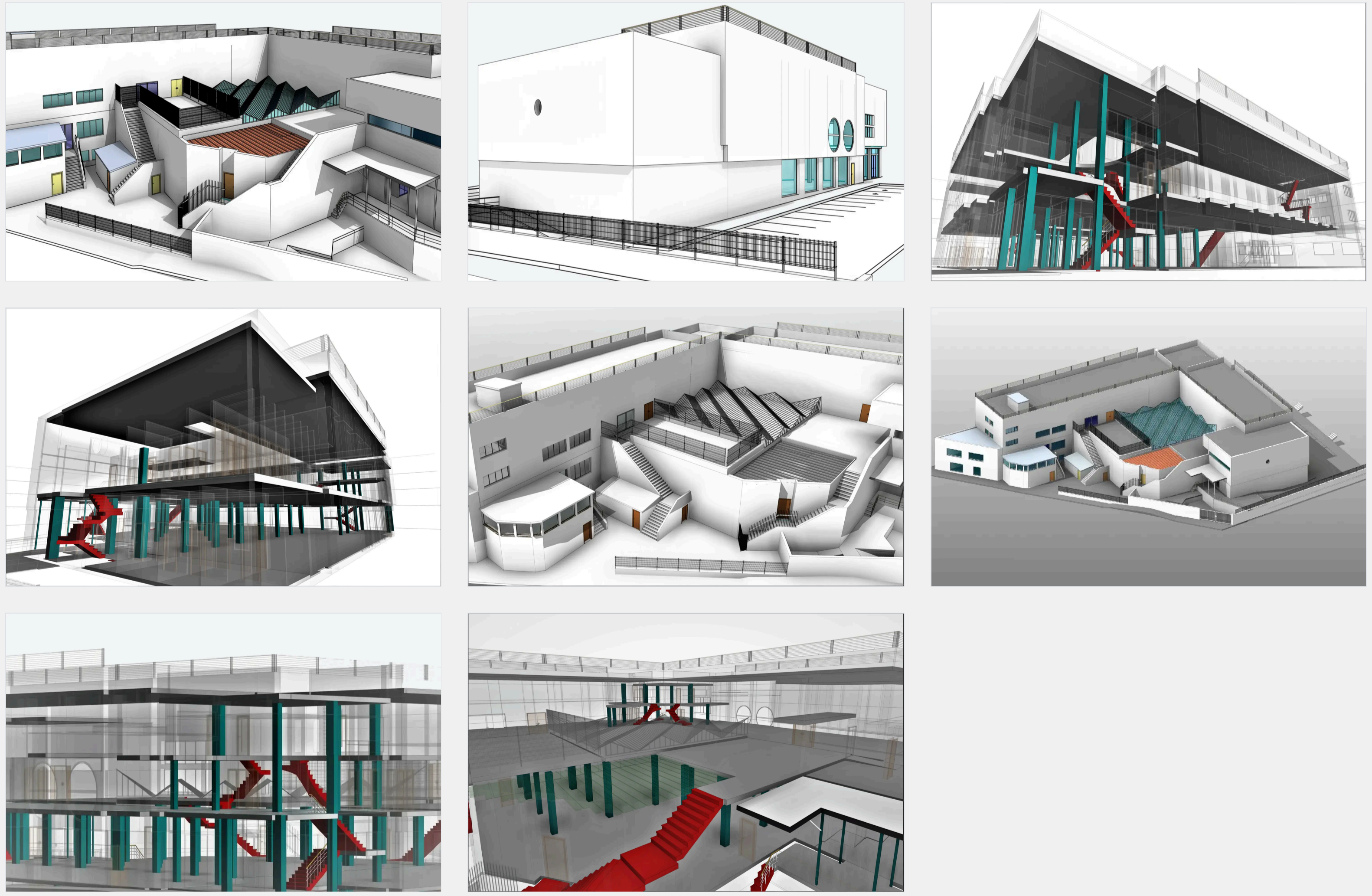
- LOD 300 architectural and structural BIM modeling in Revit
- Accurate representation of existing as-built conditions
- Support for renovation, demolition, and reconstruction planning
- Optimized space utilization through informed modeling decisions

The Outcome

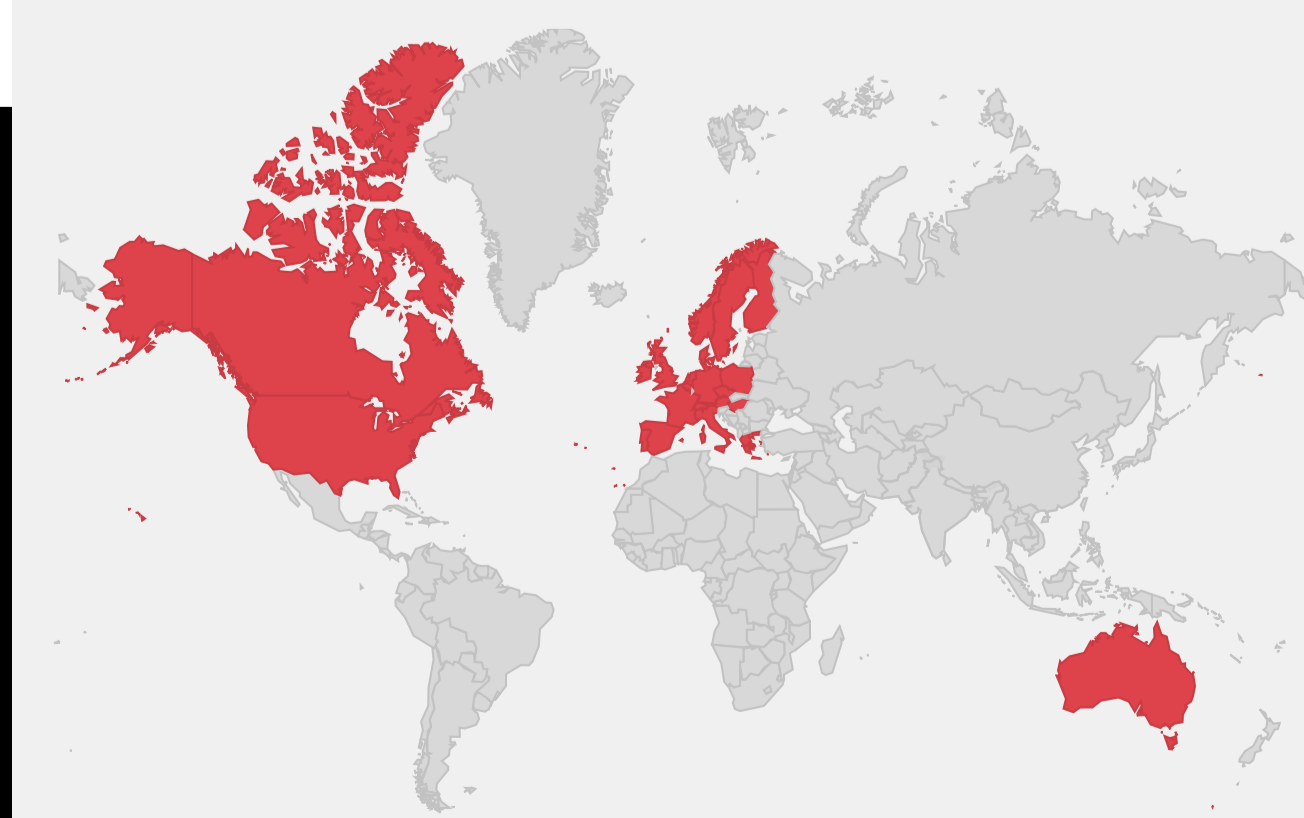
The final Revit models provided the client with a reliable basis for renovation planning and structural assessment. The BIM deliverables enabled better control over demolition activities, supported retention of existing structural elements, and facilitated improved utilization of available space within the villa.



Project Gallery



We Serve Globally



- | | | | |
|-------------|-------------|-----------------|----------------|
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| Austria | Poland | • California | • Nevada |
| Belgium | Portugal | • Colorado | • New Jersey |
| Denmark | Spain | • Connecticut | • New York |
| France | Sweden | • Florida | • Oregon |
| Germany | Switzerland | • Georgia | • Pennsylvania |
| Ireland | UK | • Illinois | • Tennessee |
| Italy | Canada | • Louisiana | • Texas |
| Netherlands | Mexico | • Massachusetts | • Utah |