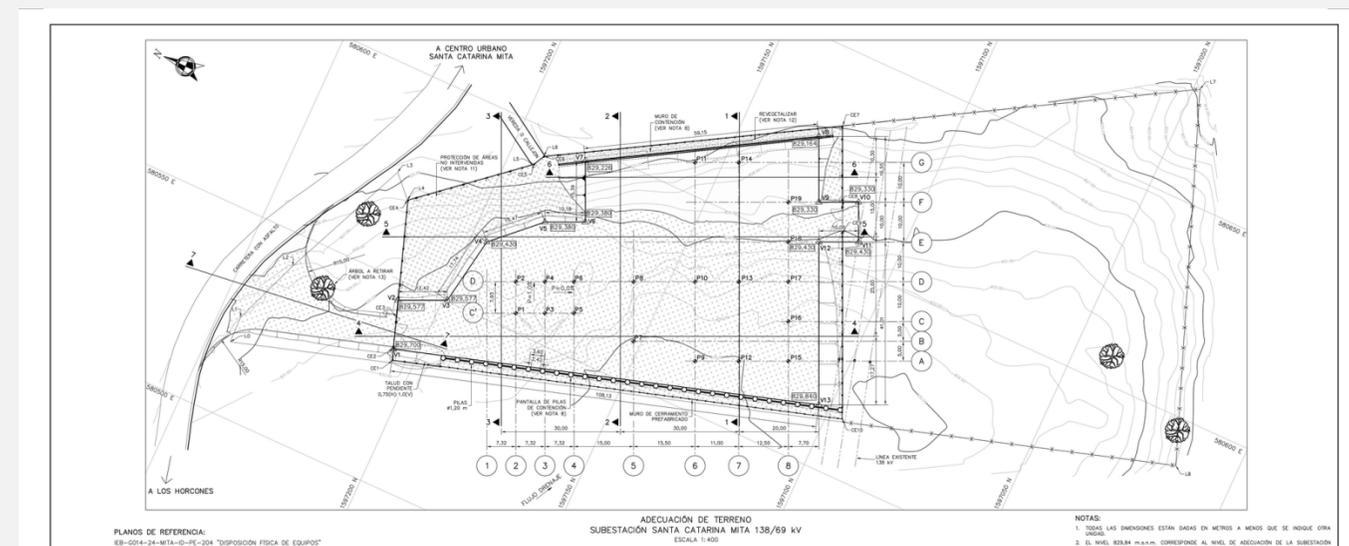
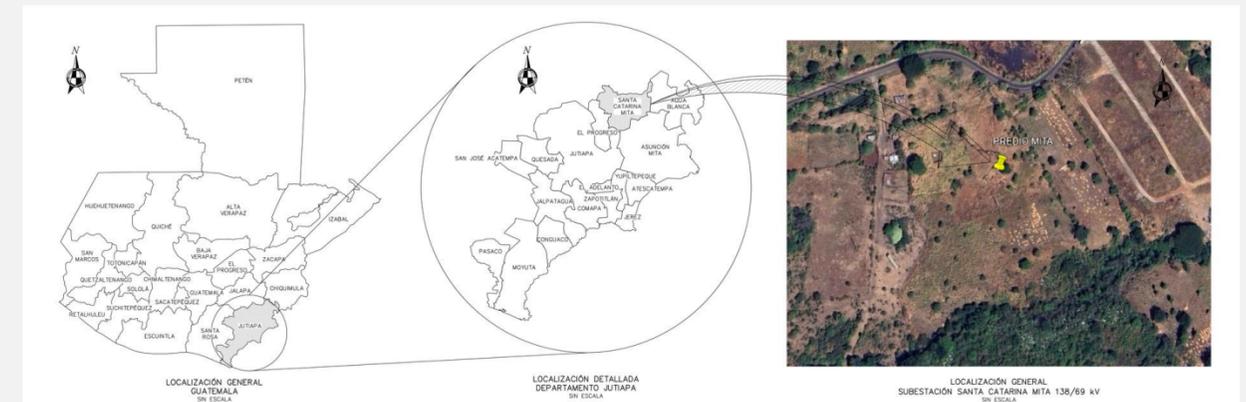
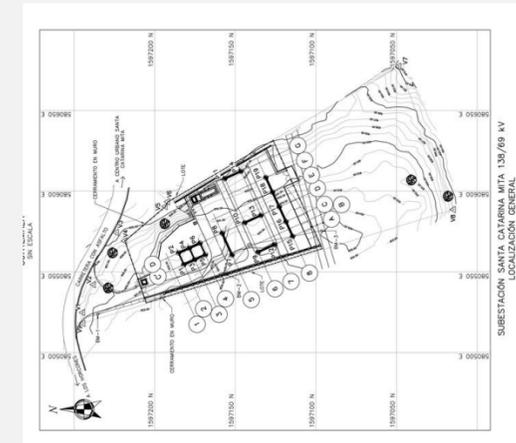


# Structural BIM Modeling – Electrical Substations, Spain

Delivering clash-free, ISO-compliant BIM solutions for complex electrical infrastructure projects.

- ➔ **Project Name:** Electrical Substations
- ➔ **Location:** Spain
- ➔ **Scope of work**

- Clash-free structural model in Revit 2023 (LOD 350)
- Coordination of Structural, Architectural & MEP drawings
- Modeling of columns, beams, braces, walls, slabs, footings, openings, and embedded items
- Connection details, clash detection, and resolution (Revit / Navisworks)
- QA/QC per BIM standards
- Documentation: GA plans, sections, elevations, details, legends & notes

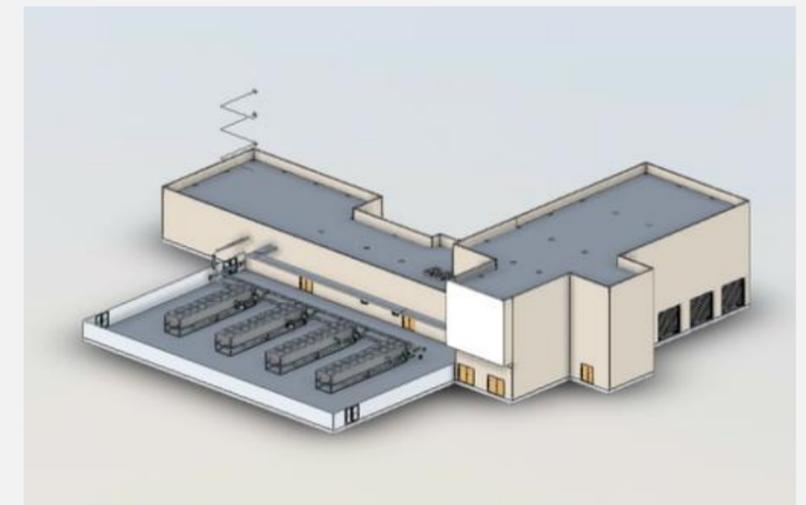
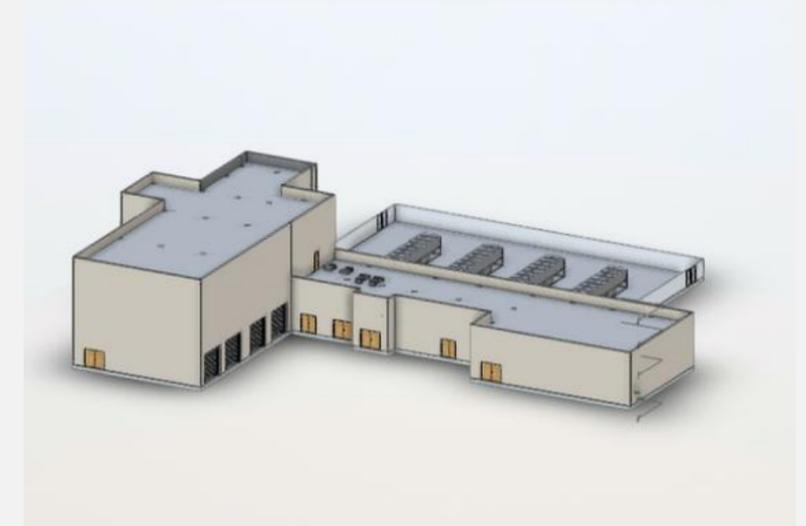
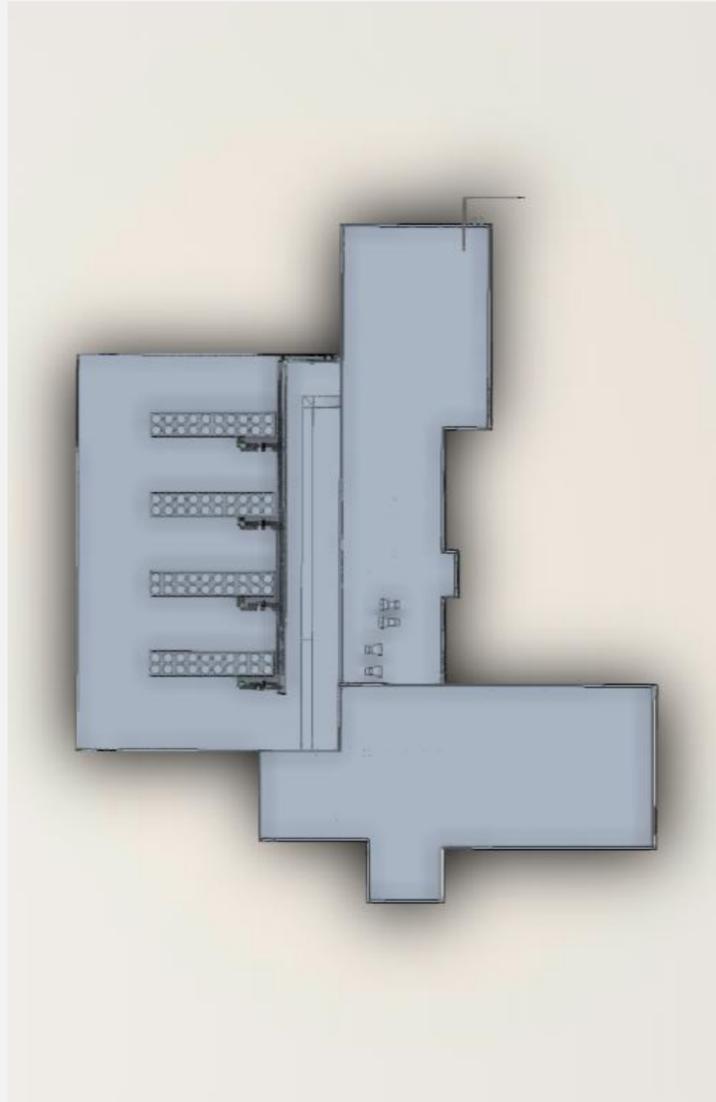


# ITL, Saudi Arabia

(International Technology Limited)

## Technical Scope

Category	Details
Software Used	Revit (modeling), Navisworks (coordination & clash detection)
Level of Detail	LOD 300 for construction-ready models
Deliverables	Plans, sections, elevations, 3D views, MEP layouts, schedules
Coordination	Integrated MEP, structural, and civil coordination
Standards	Adhered to client-specific BIM templates and naming conventions
Submission	Revit, Navisworks (NWD), and PDF formats



Delivered 3D BIM Modeling for Architectural, Structural, and MEP systems for this international project.

# Maatvoeren, Netherlands

Successfully delivered as-built 2D CAD drawings and LOD 300–350 Revit model of the building exterior, converting laser scan data into construction-ready documentation.

Point Cloud to  
CAD & Revit  
Conversion



# Key Deliverables



2D DWG Outputs:



Ground, First, Second floor plans, façade elevations, entrance staircase & cross-sections

3D Revit Model:



Exterior shell, walls, doors, windows, roof; point cloud-based accurate geometry

Coordination & Standards:



Integrated workflow using Revit, Navisworks, AutoCAD; clash-free outputs; adherence to US/Middle East/Canada BIM standards

Documentation:



Construction-ready sheets, schedules, and PDFs

