

JETTY CONTROL BUILDING (MOZAMBIQUE LNG PROJECT)



Sector: Industry & Power

Years: 2020-2021

Location: Mozambique (Cabo Delgado)

Direct client: SAIPEM/IMESA

Final client: Total

OBJECTIVES

Full Detail Engineering (Structural, Architectural, HVAC and plumbing, Lighting and small power F&G detection and suppression systems) related to Jetty Control Building, a modularized (2-stories) steel building.

MAIN ACTIVITIES

SOW includes the production of basic and detail engineering documents (calculation reports, P&IDs, single line diagrams, lists), 3d modeling using TEKLA and Autodesk REVIT software and the consequent extraction of the detail GA, layouts and shop drawings.

PHASE 1: FEED design for SAIPEM and MR preparation.

PHASE2: Detailed design and purchasing assistance for IMESA after EPC contract award.

SOLUTIONS

The challenge of this project is the full integration of building systems in a multipurpose building (Technical Rooms, Offices and Control Room)

Modularization of the building in n.7 modules having each limited dimension and weight due to limitations in transportation and lifting.

SOFTWARE:

- REVIT 2020;
- SAP2000;
- TEKLA

