

105 MW Power Plant

(Piping Detail Engineering)

Key Features

Technology:

CADWorx

AutoCAD

Microsoft Office Excel

Duration:

The project was completed in 5 months

Deliverables:

1. 3D Model on CADWorx
2. Stress Isometrics
3. Fabrication Isometric Drawings
4. System Isometrics
5. MTO
6. GA Drawings

The Client

A Dubai based upcoming EPC Contractor offering international-grade design, engineering & construction services to all kind of power plants. They also work with many EPC clients for various upcoming engineering projects.

The Business Need

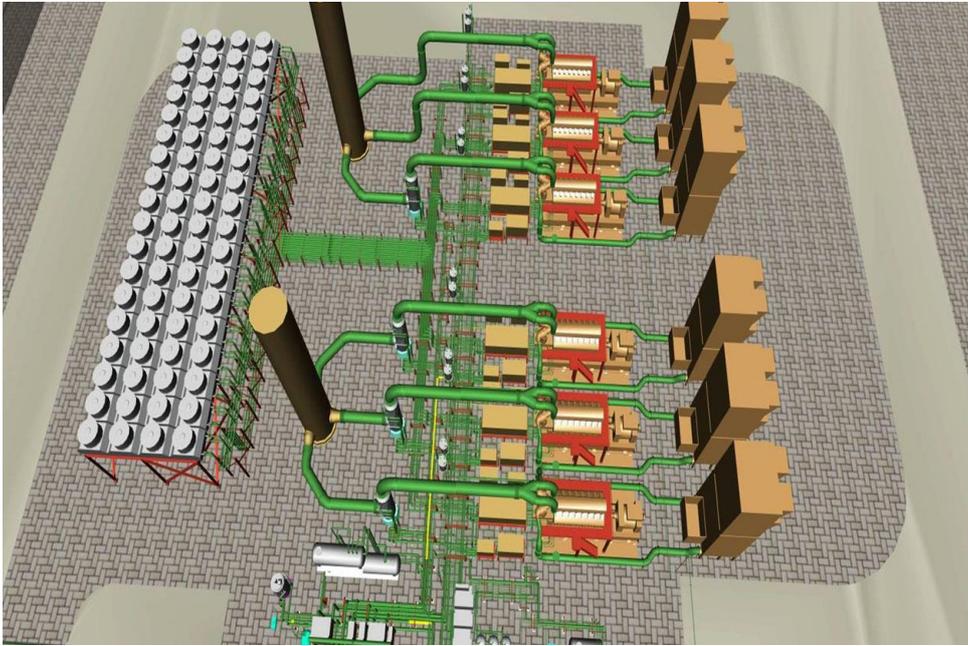
The client required:

- Site survey of the power plant currently under construction and collection of data required for executing piping routing and 3D modeling
- Equipment modeling of diesel engine, generator, radiator, air intake, thermal boiler, exhaust stack, storage tanks, various skids, starting air compressor
- Complete structure modeling of engine, radiator, pipe rack, pipe trench, unloading station, and loading bay
- Design & modeling of complete piping arrangement including small-bore lines, skids piping
- Marking & modeling of all piping physical supports
- Extraction of stress isometrics, system isometrics & fabrication isometric drawings
- Preparation of complete MTO in EXCEL format
- Preparation of GA drawings
- DRV sessions for client review
- Preparation of GA drawings

Rishabh's Solution

Rishabh's engineering team executed piping detail engineering project under a hybrid delivery model, resulting into completion of project within 5 months.

The team complied with the ASME B31.1 codes and standards to ensure highest quality deliverables.



Technology Used

- CADWorx
- AutoCAD
- Microsoft Office Excel

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More information about Rishabh Software, please visit:

www.rishabheng.com | www.rishabhsoft.com | www.rishabhbpo.com

About Rishabh Engineering

Rishabh Engineering provides multidisciplinary engineering support services to EPC companies in industries like Oil and Gas, Petrochemical, Power and Water treatment. Our parent company, Rishabh Software is a CMMI level-3, ISO9001 and ISO27001 company that provides services in Software Development, Business Process Outsourcing (BPO) and Engineering Services Outsourcing (ESO) to clients globally. Rishabh has offices in USA, UK and India with their main delivery center in Vadodara, India.