

3D Laser Scanning Conversion & Developing Intelligent 3D Model – Utility Piping of Boiler House

Key Features

Technology:

AutoCAD Plant 3D

FARO Scene

Autodesk Navisworks

Kubit Point Scene Plant

Duration:

The project was completed in a week

Deliverables:

1. Intelligent 3D Model on AutoCAD Plant 3D

The Client

A US based multi-discipline engineering firm offering its services in structural, civil, mechanical, material handling, process, electrical, instrumentation and controls engineering and designing. It is one of the reputed organization conducting 3D Laser scanning & filed surveys in the field of Oil & Gas, Process Plants, Mining, Industrial Plants & Utility sectors.

The Business Need

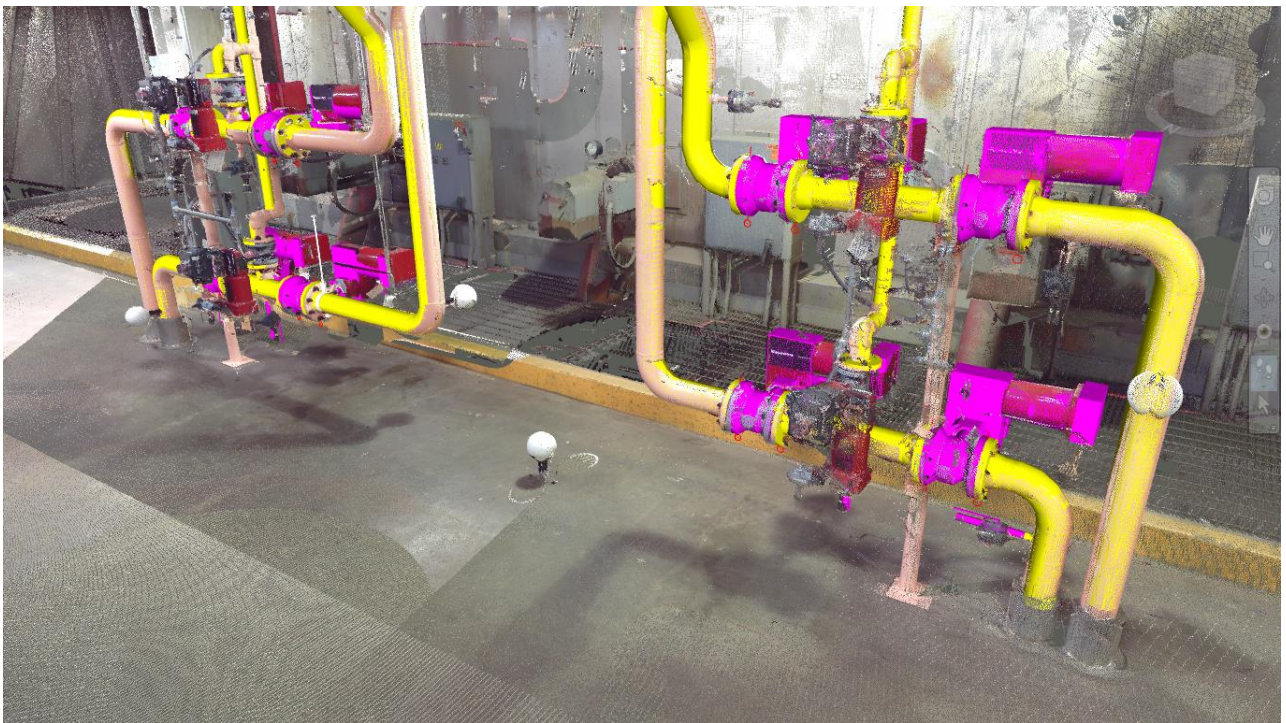
This project was for an existing boiler plant, where the client wanted to develop an intelligent 3D model using AutoCAD Plant 3D from the laser scanned data generated through FARO Laser scanner.

Rishabh's Solution

Rishabh's Engineering team completed the Laser conversion of point cloud data and generated intelligent 3D model of the Boiler piping system within 1 week by a team of 4 members.



3D Laser Point Cloud Data Conversion to Intelligent 3D Model



3D Laser Point Cloud Data Conversion to Intelligent 3D Model

Technology Used

- 3D Modeling – AutoCAD Plant 3D
- FARO Scene
- Model Review – Autodesk Navisworks
- Utility – Kubit Point Scene Plant

Key Deliverables

- Intelligent 3D Model on AutoCAD Plant 3D

Our Approach & Achievements

- Model was effectively created with 99.9% accuracy fulfilling the quality parameters required by the client. The project was planned to be completed within a week and delivered in a timely manner.

"Rishabh Engineering has delivered optimum quality and value to the project at competitive pricing. We are hoping to get more conversion projects in the future. And we will definitely consider sub-contracting to Rishabh Engineering when we get those opportunities."

- Project Manager, US based Engineering Firm

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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.