

LIN Storage & Vaporizer (3D Modeling in PDMS)

Key Features

Technology:

PDMS

Navisworks

Duration:

The project was completed in a period of 4 weeks

Deliverables:

1. 3D Model at different stage for review (30%, 60% & 90%)
2. Final 3D Model

The Client

One of the most significant manufacturers of Cryogenic liquid storage and transport tanks in Asia. They are also known for its global supply to leading international Gas organization globally like Air Liquide, Linde, Messer, Taiyo Nippon Sanso, and others.

The Business Need

Rishabh Engineering was appointed by the client to carry out 3D modeling of Liquid Nitrogen Storage & Vaporization Packages for the station, which included equipment, piping, pipe supports, cable tray routing and mounted instrumentation.

The project scope covered:

- 3D modeling for a LIN storage and vaporizer skid
- Equipment modeling
- Modeling of structural platforms like ladders, utility holes, envelopes
- Piping modeling (25 nos. of lines)
- Skid structural modeling
- Physical support modeling
- Modeling of instruments, junction boxes with supports

Rishabh's Solution

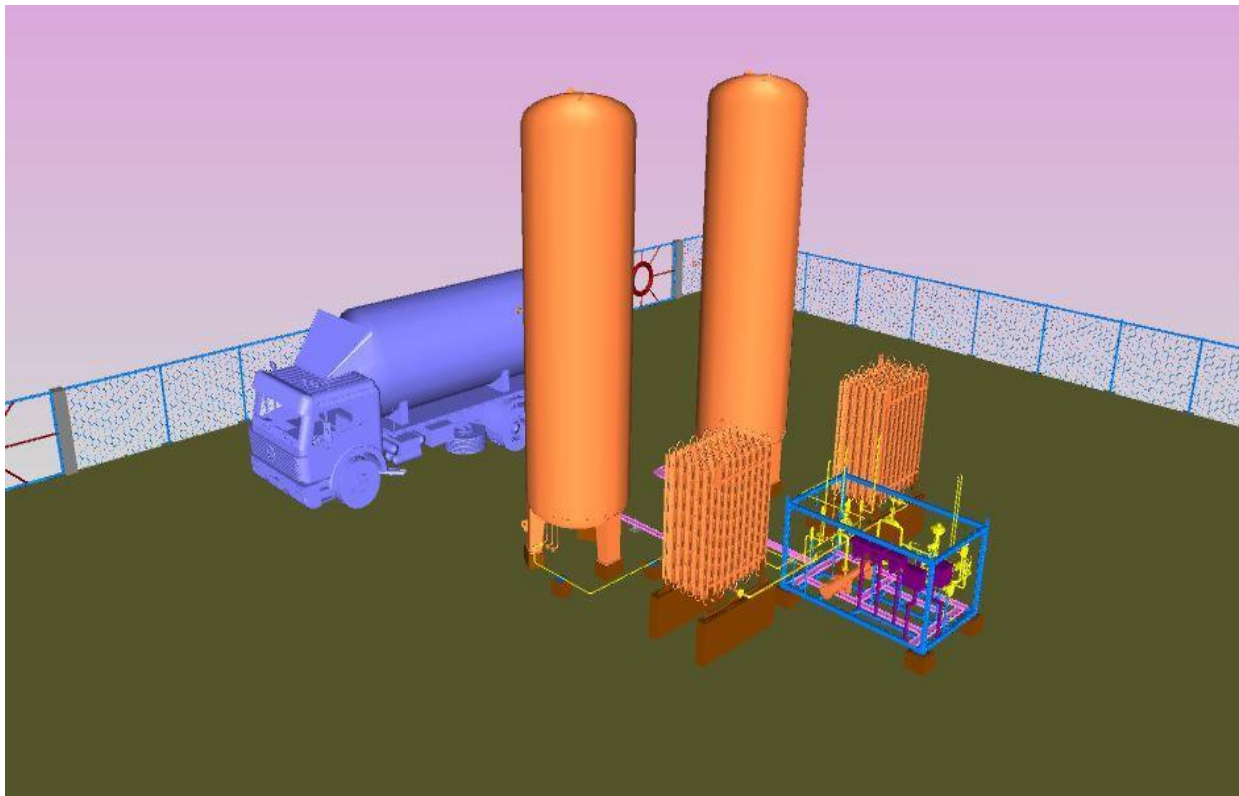
Our team leveraged PDMS & Navisworks to develop the 3D modeling and delivered the project within four weeks with a group of 3 members including one team leader. ASME B31.3 codes and standards were followed to provide high quality in 3D modeling.

Technology Used

- 3D Modeling – PDMS
- Review Software – Navisworks

Key Deliverables

- 3D Model at different stage for review (30%, 60% & 90%)
- Final Intelligent 3D Model



3D Modeling of LIN Storage Tank

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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.