

Piping Stress Analysis for Vacuum Jacketed Pipe LNG Line

Key Features

Technology:

Intergraph CAESAR II

Duration:

The project was completed in a period of 1 week

Deliverables:

1. CAESAR II (.c2) Native File
2. Stress Analysis Report
3. Stress Isometrics
4. Pipe Support Drawings

The Client

A US-based major manufacturer, designer, and supplier of engineered products and field services for the production, distribution, and storage of cryogenic liquids and industrial gases. It has been serving a broad range of clients in the sectors like aerospace, industrial gas, pharmaceutical, medical gas, semiconductor and food packaging industries.

The Business Need

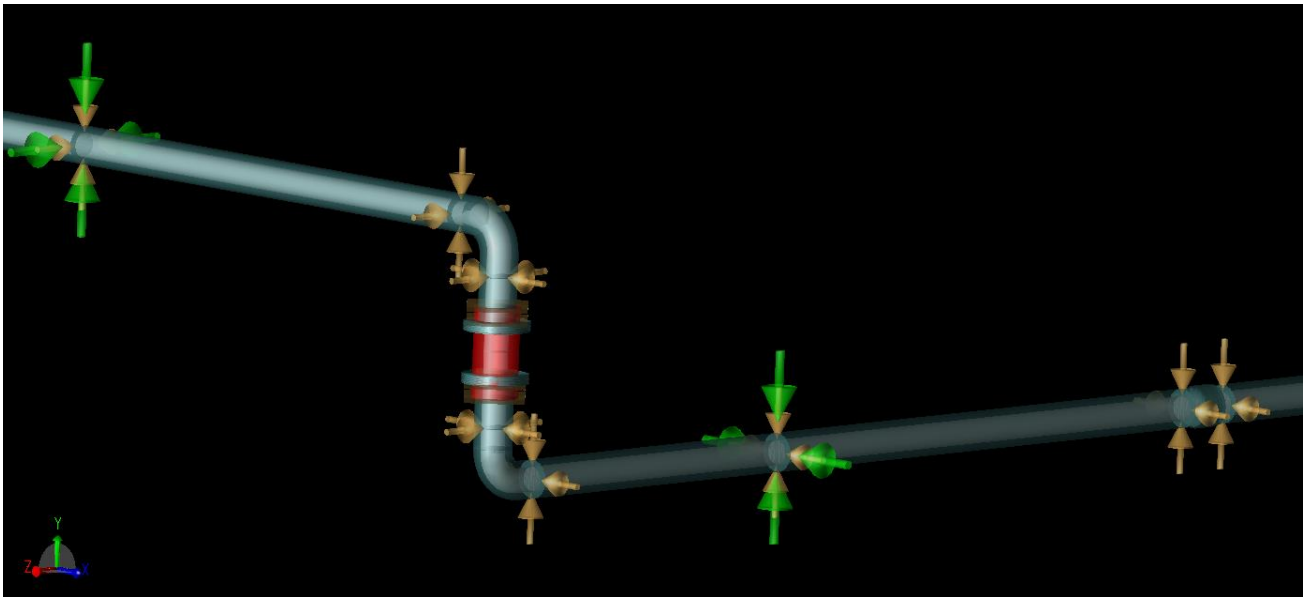
The client required Rishabh Engineering for executing piping stress analysis in accordance with ASME B31.3 piping code for the VJP LNG Line.

Rishabh's Solution

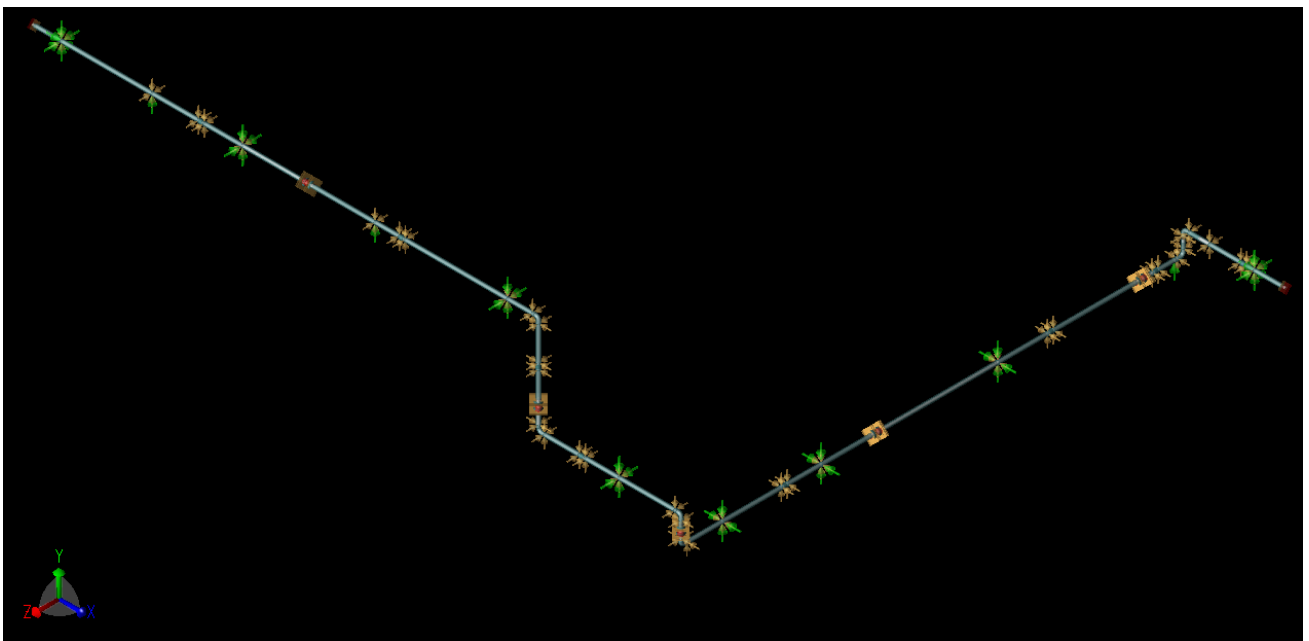
Rishabh Engineering performed the stress analysis from the initially provided isometric drawings using Intergraph CAESAR II software tool. As the operating temperature of the system was very low (cryogenic), flexibility and the position of support for the pipeline was an intricate aspect of the entire project. Despite the challenges experienced, Rishabh Engineering completed the project as per the requirements and quality standards.

5 Vacuum Jacketed Pipelines had to be analyzed from the provided isometric drawings and other inputs including piping 3D model, details of piping and piping supports, project design basis etc

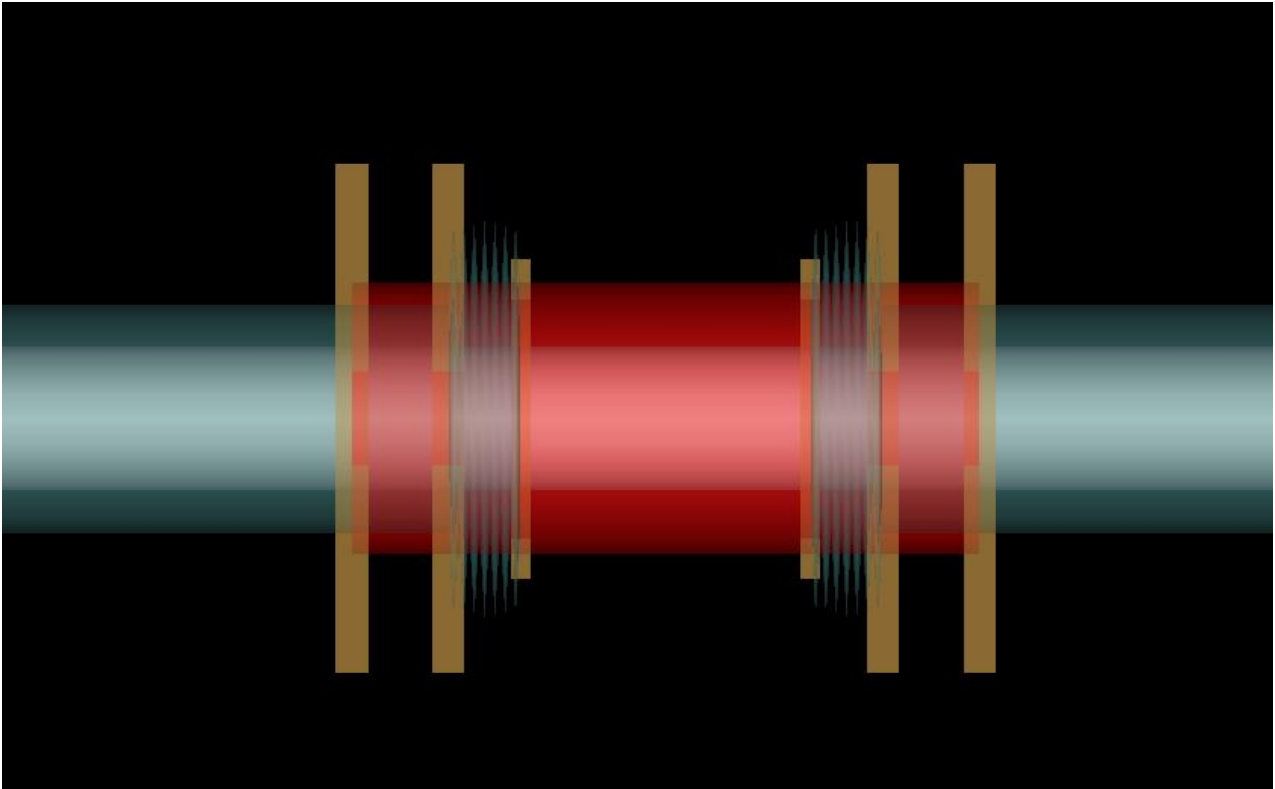
ASME B31.3 standards were followed using the Intergraph CAESAR II software tool along with analysis on individual spool section including thermal, seismic and wind loads. Rishabh Engineering completed the project in one week with a team of 2 engineers.



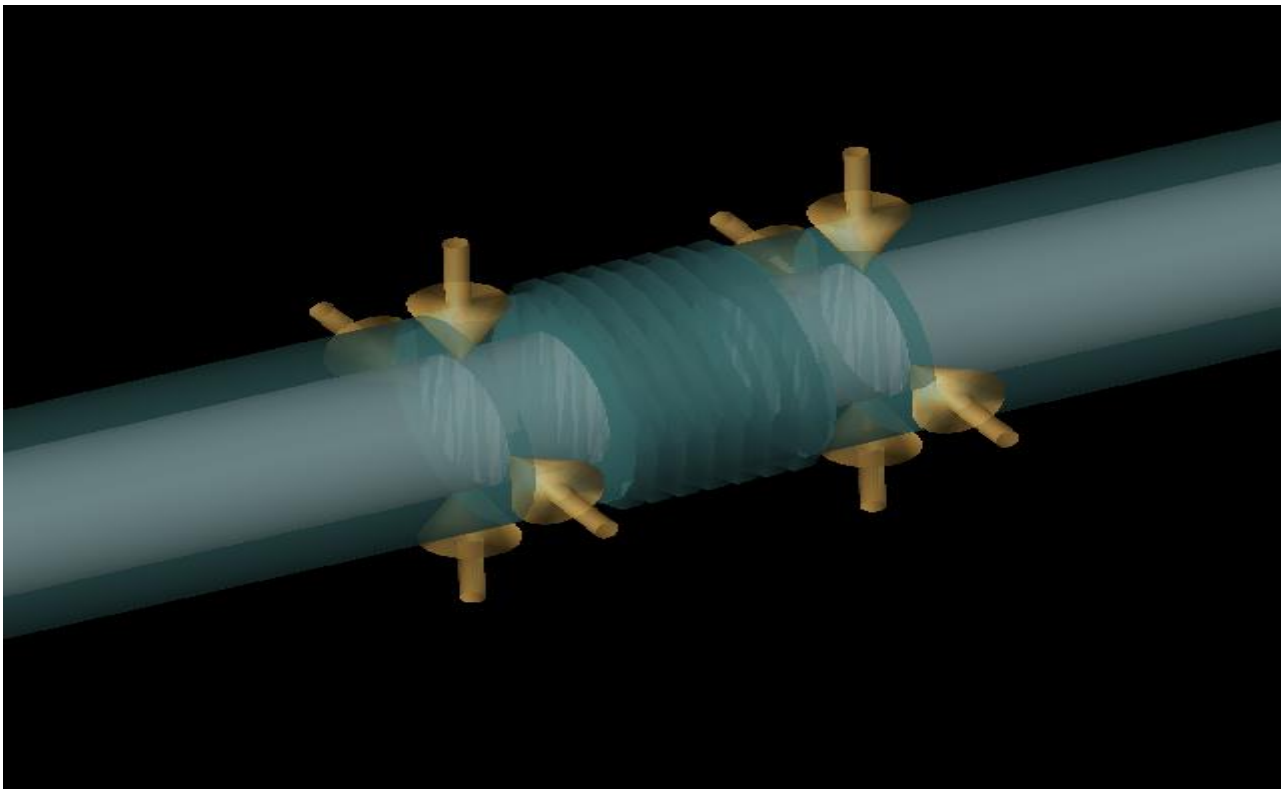
Piping Stress Analysis for Vacuum Jacketed Pipe LNG Line



Piping Stress Analysis for Vacuum Jacketed Pipe LNG Line



Piping Stress Analysis for Vacuum Jacketed Pipe LNG Line



Piping Stress Analysis for Vacuum Jacketed Pipe LNG Line

Technology Used

- Intergraph CAESAR II

Key Deliverables

- CAESAR II (.c2) Native File
- Stress Analysis Report
- Stress Isometrics
- Pipe Support Drawings

Contact Details

US Ph : +1-201-484-7302, 1-877-RISHABH (747-4224)

UK Ph : +44-207 993 8162

Email : sales@rishabheng.com

Twitter : www.twitter.com/RishabhEng

Linkedin : www.linkedin.com/company/rishabh-engineering-services

More information about Rishabh Engineering, 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.