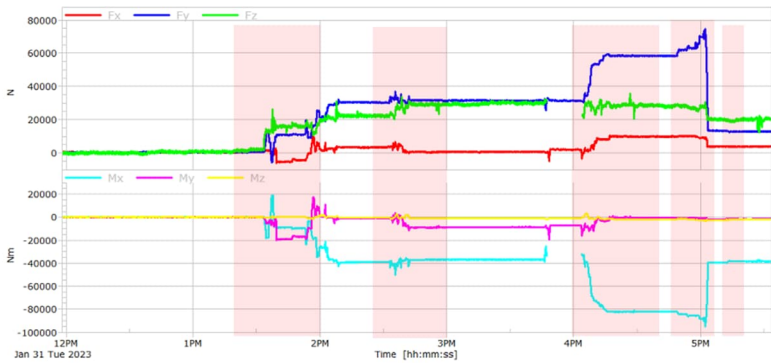
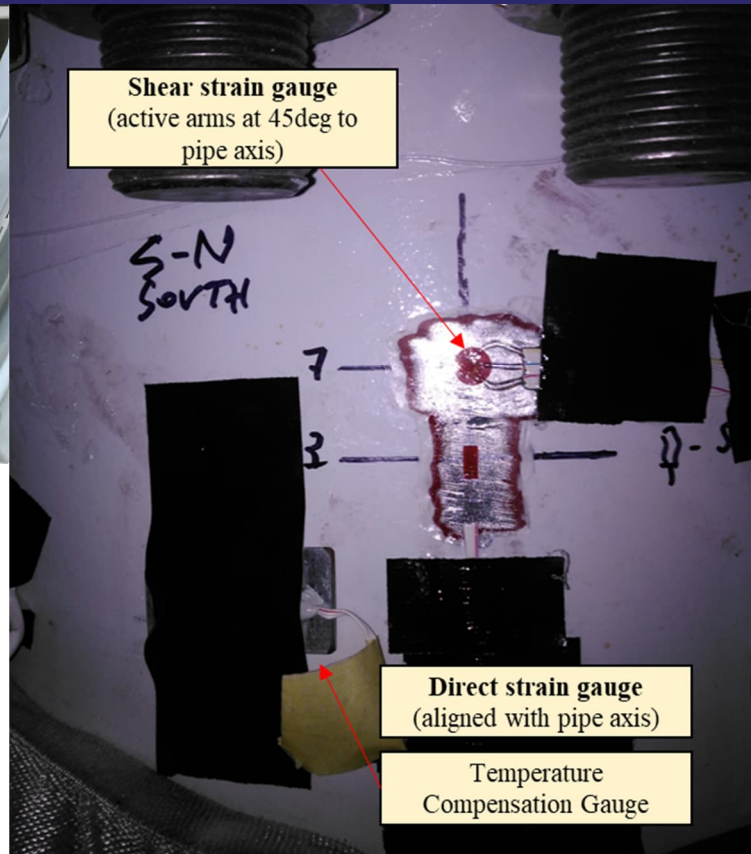
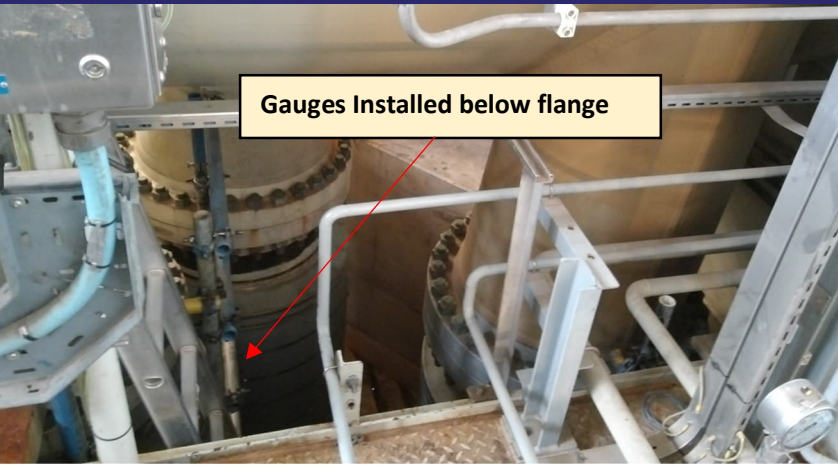


PROJECT OVERVIEW



Pipe Strain Measurements

Darwin, Northern Territory

PROJECT OVERVIEW

Project Scope:

EDC was engaged to provide 24hr real-time measurements in support of two scopes during the 2022 plant shutdown:

1. Measurement of pipe strain in a propane compressor discharge spool, during the adjustment of downstream pipe supports.
2. Measurement of the nozzle strain of four mixed refrigerant compressors during machine realignment.

Challenge:

- Providing continuous measurement of very low strain levels, with the capability to isolate strains caused by pipe support / machine adjustment from thermal effects.
- Providing concurrent support for multiple scopes, operating four independent Data Acquisition (DAQ) systems across two LNG trains.

Success:

- EDC was able to provide measurements of pipe strain immediately after each adjustment was made to the pipe supports and machine positions.
- This allowed the client to understand the effect of each movement in real time against pre-established limits.

CLIENT: Inpex

SITE: LNG plant

DURATION: July 2022

