



ROC OIL, Zhaodong Facility

Gas Pipeline Installation

Overview:

Prior to installation of a sub-sea gas pipeline, excess gas on the facility was being flared. The sub-sea gas pipeline, along with additional offshore processing and custody transfer metering, enabled excess gas to be sold onshore.

Our Services:

Zest Automation was fast tracked into the development and implementation of this project as our client was experiencing timing and resourcing issues with other vendors. Being dynamic and responsive, we had the flexibility to effectively react to this unintended situation. Our dedicated team prioritised their response, enabling our client to fulfil their contractual obligations, while still ensuring the safety and integrity of our implemented solution.

Our response involved a thorough review of all control and safeguarding aspects of the initial design. By suggesting improvements to control schemes and coordinating associated documentation changes, we went beyond simply configuring the safeguarding and control systems.

The system also interfaced to the metering / custody transfer systems, with the production data suitably presented and archived by the system. We also designed and implemented a two-way data transfer between the offshore and onshore facilities enabling reliable and secure data transfer.

This required the development of a secure data transfer philosophy using protocols and methodology that eliminated the possibility of either facility's control system being compromised.

