



## GASPORT PROJECT

The project consisted of the installation of the world's first 100 barg-rated ship-to-shore HP gas unloading arm at the first UK re-gasification port, and downstream gas metering and treatment systems that were subsequently connected to the national grid via a buried delivery pipeline.

**The project value was circa £30 million and had a duration of nine months.**

OSL's task included the verification of all associated process design, plant layout, mechanical, piping and civil detail design works.

Process design works included the preparation of all P&ID's, equipment lists, line lists, valve data sheets, control philosophy, SIL review, hazardous area assessment, Hazop participation and pressure and velocity verifications.

The mechanical design preparation incorporated materials selection, pipe specifications and plant layout, including coordination with skids and loading arm vendors and a fire protection systems supplier.

Piping design preparation included piping layouts for all process and utilities systems such as fire protection and deluge systems, piping isometrics, pipe supports and initial stress analysis.

The civil design preparation required a site layout including roadways, ground drainage, fencing, pipe culverts, cable trench details, equipment, buildings and miscellaneous foundations.

A key element in the successful participation of OSL was our ability to quickly provide a close knit, full-time multi-disciplined design team with relevant and ample experience in the gas processing field.

This was a fast track project with a large overlap in the condensed design and construction schedule and it was vital that we were able to be flexible to meet the client's requirements. This was achieved by employing excellent data control and distribution both to and from OSL and through regular coordination meetings between the client's engineering and construction teams and all other design partners participating in the project.

Due to the knowledge and experience levels of our staff, we were able to provide assistance with site engineering and commissioning support during construction.

