

**CLIENT:** Murphy Pipelines

**LOCATION:** Px TGPP, Teesside Gas Processing Plant

**VALUE:** £ 4.25M

**DURATION:** 16 Months

**PROJECT:** Teesside Gasport - TSGP

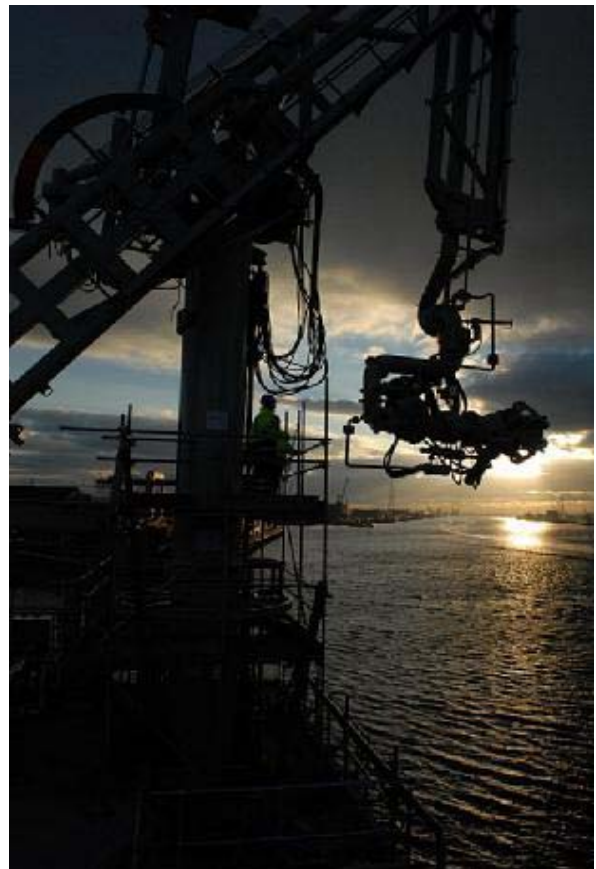
Located at Teesport on the river Tees near Middlesbrough in Northern England, the Teesside GasPort is the world's first dockside offloading facility for regasified LNG and the second operational LNG importation facility in the UK.

Built to accommodate the proprietary technology of Exceletrate Energy's specialized Energy Bridge Regasification Vessel fleet, the Gasport project required less land-based infrastructure than conventional onshore terminals. As a result, the project took less than a year to design, permit and construct for £40 million; one-tenth the cost of a traditional onshore terminal. The project allows the regasification vessel to revaporise gas onboard the ships and offload high pressure gas through a specially designed off-loading arm, across a jetty and into a pipeline. This delivers the gas into the National Transmission System at the Teesside Gas Processing Plant operated by PX (TGPP) Limited for distribution and consumption across the UK. The success of the project was achieved with minimal onshore infrastructure and short lead times.

The service commenced February 2007, the Teesside GasPort now allows Exceletrate Energy to deliver at peak rates of up to 600 million cubic feet of natural gas per day into the UK market. It is capable of initially importing up to four LNG cargoes per month, each of which contains the equivalent of approximately three billion cubic feet of natural gas.

Technica were engaged by Murphy Pipelines Ltd to design, manage and install the entire Electrical, C&I, Fire & Gas, Security and Control System scope of works.

- ✓ Specification & Procurement of Electrical, C&I equipment & Material
- ✓ Complete Communication System Detailed Design
- ✓ Electrical Detailed Design
- ✓ C&I Detailed Design
- ✓ Project Management of Site Installation
- ✓ Project Management of Specialist Sub-Contractors  
(including ESD Systems, DCS, Offloading Arm and Marine Berthing Systems)
- ✓ Factory Acceptance Tests
- ✓ Site Acceptance Tests
- ✓ Electrical, C&I & Communications Installation  
(including 6.5km Dual Redundant Fibre Optic Backbone)
- ✓ Site Test & Commissioning
- ✓ Ongoing Support for Site Optimisation





**FULL OF PRAISE:** Secretary of State for Trade and Industry Alastair Darling (centre) visits Excelerate Energy Teesside Gas Port. Left is Captain Mark Lane director of operations and right, Jon Cook vice-president operations

Picture by  
**PETER REIMANN**

# 'Can do' Teesside impresses Darling

By **KAREN McLAUCLAN**

TEESPORT'S new £40m Teesside Gas-Port project and the region's ability to embrace cutting-edge innovation has been praised by a Government minister.

The site, which is the world's first dockside regasification port, was visited by Trade and Industry Secretary Alistair Darling, who also applauded the region's can-do approach to business.

Excelerate Energy revealed plans last year to import natural gas supplies direct to Teesside

at Teesport. The company has now seen the arrival of the first liquefied natural gas (LNG) cargo on the Tees. Traditionally, LNG ships must deliver their cargo as liquid to onshore terminals which then convert it to gas.

But thanks to cutting edge technology on board, the LNG can be revapourised and fed straight into the UK's National Transmission System.

Mr Darling said: "This project is a world first and great news for Teesside.

"The area has worked hard to make this project happen quickly - showing this is a place where things get done."

Excelerate has worked with local companies

including PD Ports to bring the scheme to fruition.

PD Ports has plans to build a £300m deep sea terminal with the potential to generate 5,500 jobs.

Mr Darling said the Teesside GasPort would help raise Teesport's global profile.

"People will read about this facility around the world," he said.

"Anything that shows Teesside is an easy place to do business must be a good thing for the port and the local area."

The shipment was delivered by the ship *Excelsior*, which can hold enough LNG to heat 60,000 homes in the UK for one year.