



Trelleborg enhances its LNG track record in China

“We needed a reliable solution that would not only stand the test of time, but came with the assurance of high quality aftercare. Due to Trelleborg’s unrivalled reputation and technical qualification, we knew they had the capabilities to meet our expectations and requirements.”

Jie Kang, Equipment and Materials Procurement Manager, CNOOC Yuedong LNG

Trelleborg Marine Systems was recently contracted by CNOOC Yuedong LNG to supply cargo transfer technology to a new LNG terminal development at Yuedong, China.

This project, worth 10.3 billion Yuan, included the development of a new LNG terminal, a new LNG station and new wharfs and pipelines. With the terminal expected to have an annual processing capacity of two million metric tonnes, this was a massive project.

Trelleborg Marine Systems supplied the following technologies for the project:

Double and Triple Quick Release Hooks with hazardous area compliance

Quick Release Hooks (QRH) enable mooring lines to be quickly and easily released, even under full load conditions.

SmartHook® Mooring Load Monitoring Systems with electric remote release

SmartHook® load monitoring provides jetty operators with real-time readings of the load on mooring lines. This enables them to assess the integrity of the berth and take action as needed.

SmartDock® Docking Aid System

SmartDock® is a family of docking aid systems (DAS) used by jetty operators and pilots to monitor the approach and docking of berthing vessels. Design is based on lasers, differential GPS or Real Time Kinematic (RTK) GPS technologies.

SeaTechnik™ Ship Shore Link (SSL)

The SMART fibre optic and SMART Electric SSL systems ensures compatibility for the Emergency Shut Down System (ESDS), Mooring Load Monitor (MLM) data and telecom system between the terminal and visiting vessel which is vital for the LNG transfer process.

“We are delighted that CNOOC has chosen to work with Trelleborg. We recognise that the safe, efficient transfer of LNG from vessel to terminal is key to their business. Their choice of our world leading Ship Shore Link and Docking and Mooring technology is testament to our industry expertise.”

Richard Hepworth, President of Trelleborg Marine Systems

Other products included:

- A central integrated monitoring system
- An environmental and oceanographic monitoring system

TMS also supplied a Portable Handheld Unit (PHU) for dual berth installation and a Carry On Board (COB) laptop system for single berth installation.

This project is the thirteenth in China to benefit from Trelleborg Marine systems’ market leading SeaTechnik™ SSL system. Implementing this technology ensures the terminal is compatible with the majority of the world’s LNGC fleet, helping to maximise the gas trading benefits of its assets in a highly competitive market.

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