



Image courtesy of Singapore LNG Corporation

TRELLEBORG'S LNG PORTFOLIO PROVIDES THE IDEAL SOLUTION FOR SINGAPORE LNG TERMINAL

As the first open access, multi-user LNG terminal in Asia, Singapore LNG terminal required the best in marine fender systems, docking and mooring equipment and gas transfer technology. Showcasing the strength of its broad Liquefied Natural Gas (LNG) portfolio, Trelleborg supplied the terminal's primary and secondary LNG berths with a combined docking, mooring and fender system as well as its SeaTechnik™ Ship-Shore Safety Link System (SSL) to monitor the LNG transfer process.

Located on Jurong Island, the Singapore LNG Terminal, which officially opened in February 2014, plays a key role in supporting the country's strategy for energy security, ensuring the nation can import natural gas in liquefied form from around the world.

Richard Hepworth, President at Trelleborg's marine systems operation, said: "The use of LNG is now a mainstream, commercial reality, as the demand for energy continues to rise. With natural gas being a reliable, clean burning fossil fuel and one that is in plentiful supply, it has become a truly viable, global resource.

"But given the myriad applications within the LNG arena, the correct infrastructure is vital to accommodating varied and specific requirements. As such, key components such as fenders, docking and mooring equipment and transfer systems have a fundamental role to play."

"We were delighted to be awarded the contract to work on Singapore LNG Terminal as it represents such a prestigious project and a big step forward in evolving Asia's energy infrastructure."

The docking and mooring equipment supplied by Trelleborg includes Quick Release Hooks (QRHs) and Capstans, SmartHook® Mooring Load Monitoring Systems with electric remote release, a Central Integrated Monitoring System for both the Terminal's primary and secondary berths and an Environmental and Oceanographic Monitoring System, which will provide key environmental data to terminal operators. Trelleborg also supplied an advanced SmartDock® Pilot system which integrates the MetOcean, Environmental, Mooring and Docking data on a portable GPS/GLONASS based device for use by the pilots on board the LNG carriers during the approach, docking and mooring phases.

Trelleborg supplied the SCK Cell fenders series, which have a proven track record and remain popular because of their simplicity, high performance and strength. They come in a wide range of standard sizes and are interchangeable with many older cell fender types.

As the most advanced ship-shore safety link system available on the market, Trelleborg's SeaTechnik™ SSL system is certified to ATEX and IECEx standards and is approved to IEC 61508 Safety Integrity Level 2. Its design ensures Singapore LNG Terminal can accommodate any visiting LNG carrier, maximising the flexibility of the terminal.

To find out more about Trelleborg's full range of products and solutions for the LNG arena, visit: <http://www.trelleborg.com/en/marine-systems/Markets--and-Applications/Port-and-Terminals/LNG-Terminals>

Website: [trelleborg.com/marineandinfrastructure](http://www.trelleborg.com/marineandinfrastructure)

Email: marine_infra@trelleborg.com