

Vantage Ship to Shore Communication Link System

Sabine Pass LNG Terminal Project

Vantage Technology is proud to announce that Bechtel Corporation has awarded Vantage the Ship to Shore Communication Link System for the Sabine Pass LNG Terminal Project. The Vantage SSCLS provides ships and terminals state of the art reliability and safety during the loading and off loading process.

Liquefied Natural Gas has become an economical means to meet overseas demand for natural gas. By cooling the gas to minus 260 degrees Fahrenheit, the gas becomes liquefied and requires 600 times less storage space. Liquefied, it is an efficient cargo quantity for large vessels.

In the liquefied state natural gas is not explosive. Hazardous location concerns occur when the natural gas is re-gasified. This is of particular concern once the ship is moored at the LNG terminal and the gas transfer is realized.

A ship-to-shore Emergency Shutdown System (ESD) and associated shut-off valves allow rapid and safe shutdown of an LNG transfer. The ESD system will stop the ship's unloading pumps and close flow valves on both the ship and shore usually within seconds. Quick-release couplings automatically disconnect the unloading arms during emergencies.

The ESD system is controlled on both ship and shore via the Vantage Ship to Shore Communication Link System (SSCLS) – the industry standard for terminal and vessel safety.



Golden Pass LNG. Sabine, Texas

The SSCLS features StarLine explosionproof connectors and electronics by partner General Marine Business (GMB). The complete system is suitable for electrical, pneumatic, and fiber optic control. It includes options for cable storage and pre-transfer system diagnostics.

Offloading requires an average of 12-15 hours at which time the SSCLS is ready to safely break and meet the next LNG vessel. Vantage connectors easily meet this duty cycle.



Sabine Pass, Texas is located along the Port Arthur Ship Channel on the Gulf Coast. The terminal will be built at the nexus of existing pipeline infrastructure.



Vantage sets the standard for electrical safety in the Liquid Natural Gas industry. LNG vessels and terminals are truly in the international realm. Third-party certification to ATEX Zonal standards and North American Divisional standards means Vantage connectors meet hazardous area safety and installation requirements throughout the world assuring compliance whatever path the LNG follows.