Ship-Shore Link System

SeaTechnik™ Smart Ship-Shore Link System (SSL) For LNGC Applications

- Assured compatibility with existing systems
- High-speed digital capability
- Simple Electronic reconfiguration to match respective terminal
- USB downloadable, enhanced diagnostics
- Independent systems to ISO 28460
- Future-proofed to allow interfaces to external systems
- Easily updatable via USB flash drive

Smart Ship-Shore System for LNG

Trelleborg Marine Systems has been involved in SSL since 1996 and is the leading supplier throughout the world, having received contracts for:

- Over 350 LNG Carriers and FSRUs
- Over 100 LNG / LPG Condensate Terminals
- The extensive knowledge and experience gained as a result of this significant reference list has led to our Smart SSL system that is the most advanced on the market.
- The Smart fiber optic and electric modules provide a significant improvement compared to previous operator interfaces and simplify control and set-up.

Other benefits include:

- Simple electronic reconfiguration to match respective terminal
- Enhanced diagnostics capability
- Main system micro-controller based
- Future-proofing to allow interfaces to external systems e.g. DCS
- Easily updatable via USB flash drive
- USB downloadable diagnostics
- Fiber optic, electric and pneumatic are totally independent to conform fully with ISO 28460

Our Smart SSL system retains compatibility with existing ship and shore systems.

The Smart fiber optic and electric modules are 6U in size, the main characteristics being as follows:

- Housed in single 19” 6U rack module
- Widely available 10.4” color TFT SVGA display
- Touchscreen user interface
- Menu driven graphic operation via MS Windows
- Embedded OS
- Powered from main SSL system’s dual redundant 24V DC power supply

Summary of Benefits

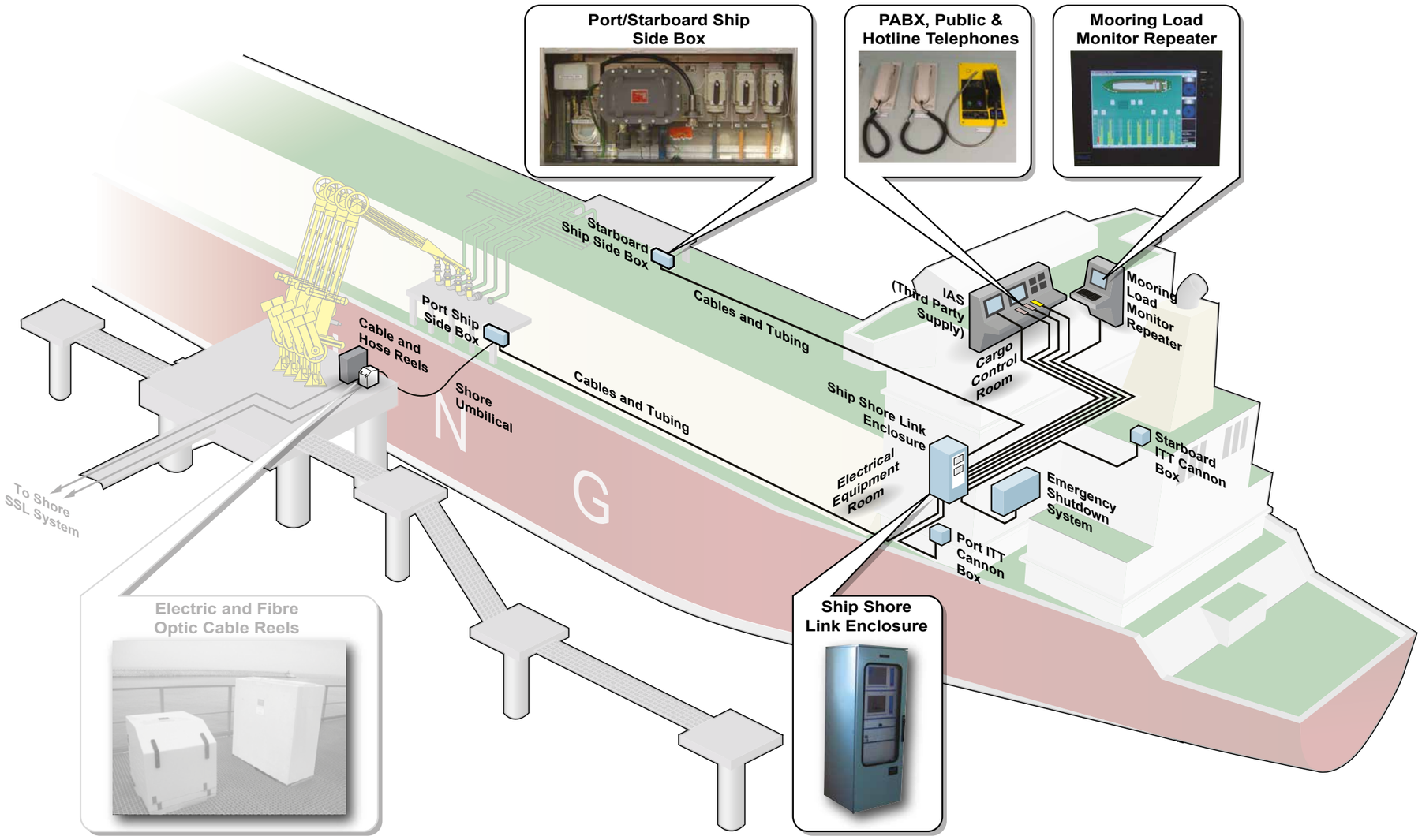
- Trelleborg Marine Systems UK – pioneers of Integrated Worldwide SSL systems
- The leading supplier with a proven track record
- Proven worldwide compatibility
- Experience of ALL types of SSL solutions for both ships and terminals
- Involved in all stages of LNG terminal projects, offering consultancy and advice to ensure worldwide compatibility
- Worldwide Service & Support Network, via UK and overseas offices
- Continuous development philosophy, with latest technology system available, ensuring full compatibility with existing and future systems
- Digital capability communicates high speed voice, data or video across the link

Smart Ship-Shore System for LNG

The SeaTechnik™ SSL system features fully ATEX EX d certified electrical connectors for use in Hazardous areas. As an added safety feature Trelleborg Marine Systems incorporate EX ia Galvanic Isolator interfacing for ESD circuits. A flexible range of input/output signals can be configured to interface with any control system to suit customer requirements.

The Trelleborg Marine Systems SeaTechnik™ SSL system can be supplied with any combination of:

- Fiber optic system
- Electric system
- Pneumatic system



Interface Connection Options

- SeaTechnik™ fiber optic connectors
- Electric – Pyle connectors
- Electric – Miyaki connectors
- Electric – ITT Cannon connectors
- SIGTTO link systems
- Pneumatic systems
- Anti-surge connectors
- Miyaki/Pyle adaptors

Associated Systems and Options

- SeaTechnik™/Iwatsu hotphone
- Electric – Strainstall MLM system
- UHF and Fiber Optic MLM system
- VHF radio link
- 5-Pin SIGTTO connectors

Test Equipment Options

- Fiber optic Active Test Unit (ATU)
- Fiber optic loop-back test connector
- Electric Test Unit (ETU)
- Miyaki test unit

SSL Cabinet

Shipside Connection Box

Service & Support

Trelleborg Marine Systems UK has been designing, manufacturing and supporting leading edge marine energy management and safety systems for over 20 years. With the Head Office located in Northwest UK, a team of experienced service engineers and performance analysts / specialists provides installation, commissioning and in-service support worldwide. The global team includes dedicated staff in our Korea and Singapore offices.

A network of experienced sales/technical agents and associates worldwide provides further support, and ongoing technical training is offered to both customers' and associates' engineers worldwide.

Trelleborg Marine Systems designs, manufactures and installs bespoke fender systems, docking and mooring equipment, oil and gas transfer technology and vessel efficiency technology for marine environments all over the world. Our polymer engineering expertize also extends to our range of general marine products, including navigation aids and buoys.

BLOG: http://marineinsightsblog.trelleborg.com
TWITTER: @MarineInsights
YOUTUBE: http://www.youtube.com/user/TrelleborgMarine
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