

Ship-to-Shore Link (SSL)



What is the Ship-to-Shore Link?

The Ship-to-Shore Link (in short SSL) is an important safety system for any LNG transfer operation, as it prevents the risk of fire, explosion or environmental damages. The main purpose of the SSL system is to ensure simultaneous mutual emergency shutdown of ship and shore plants in the event of an abnormality signalled by either ship or shore SIS. Our Straatman Ship-to-Shore Link is an inventive high-end system which is adaptable to customer requirements. We can provide the system in different sizes, configurations and we offer a stand-by service as we know the importance of the SSL system during LNG Transfers.



Main Cabinet

The Straatman SSL cabinet is built with the latest technologies and complies with the industry guidelines and recommendations. We know the importance of the Ship-to-Shore Link system and therefore our system is a full redundant system with automatic switchovers for the power supply. Besides the automatic switchover the Straatman SSL is also equipped with a manual switch to select the backup link. With the manual switch the user can switch between the primary link PLC-1 and Backup link PLC-2 in case the primary link will be out of operation. The system will automatically switch from PLC and HMI to proceed the transfer.

The Straatman SSL system features:



Fully Redundant Back-up

Technologies

Compliant with SIGTTO Guideline

Compatible with Third Party Systems

User-Friendly interface

Worldwide support

Data logging

Adaptable to customer request

Data transfer over SSL

Voice communication with third party Hotphones

Connection compatibility

We can provide the SSL with any of the following connections:

6 pin Furukawa Fibre Optic Link

37 pin Pyle Electric Link

4 pin Pyle Earth Bonding

6 pin Miyaki Electric Link

5 pin SIGTTO Electric Link
Supplier and Receiver Mode

6 pin MTL Link

2 pin ADN Link

Pneumatic Link

ITT Cannon Link



Project configuration

Straatman offers the possibility to integrate two independent systems into one cabinet. This is a configuration which is especially for FSRU or FLNG projects. With the smart technology and space inside the SSL cabinet we can provide one dedicated module with HMI for the ship side and a second module for the shore side including a backup for both sides. This configuration is cost efficient for the end-user as we integrate two independent systems into one SSL Cabinet.

We can also transmit important data such as MLM over the Ship-to-Shore link systems so the operator can monitor all necessary information with the carry on board computer. Depending on the type project, our Ship-to-Shore Link system comes with connector boxes, hand carried reels or fixed storage reels and test equipment. Based on our experience and the requirements, we will determine

what is required for the project. Besides the boxes and reels, we can also supply the PABX, Public and Hotline telephones.



The Hotline telephone will be compatible with the obsolete Iwatsu T3 unit to allow communication with Hotline phones from third parties.

The housing of our hotphone is tough and weather resistant. It withstands abuse and extreme environmental conditions. The phone has a dual purpose design which can be used for flush or desk mounting. The hotphone has a built in speaker and we optionally can offer a separate speaker if required.

Compliant with Guidelines and Recommendations

Keeping in mind that it is important to ensure compatibility with third parties worldwide, we designed and built our SSL according to:

ISO 28460

ISO 20519

SIGTTO guidelines

SGMF



Check our website for more
technical information
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