SEANET
MARINEPLANET

SEES

SEANET'S SMART SHIP SOLUTION

Smart
Environmental
Economic
System

SEANET'S SMART SHIP SOLUTION

[SMART ENVIRONMENTAL ECONOMIC SYSTEM]

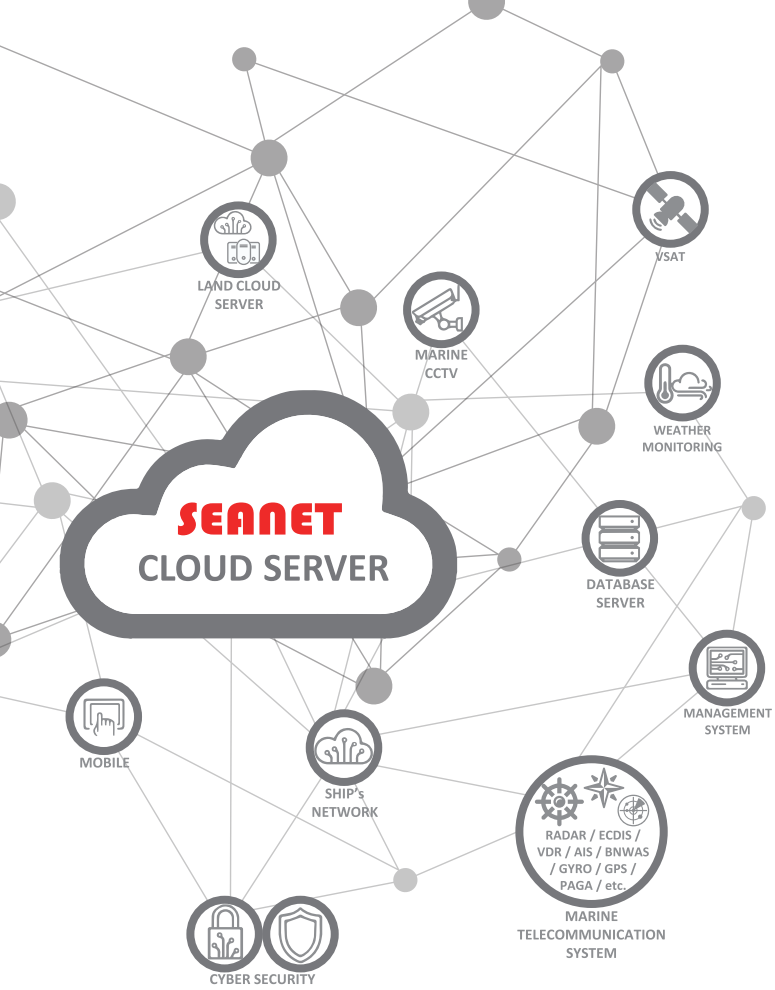
SEES

In the 4th industrial revolution, SEANET has focused on "Maritime Autonomous Surface Ship(MASS)". SEANET pursues a smart, eco-friendly, economical solution and becomes a leader on a changing world through smart ship project.

Smart GUI

Shore Control Center

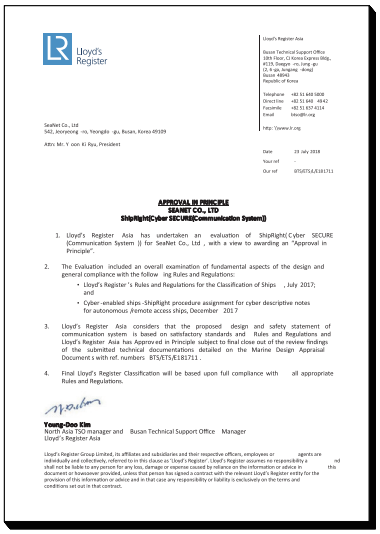
SEANET Integrated system seamlessly enables to monitor the various information such as navigation, vessel engine, voyage safety, network at offshore control center in real time.



Cloud Server

- Ship Cloud Auto Backup
- Data Encryption
- DHCP Server
- Email Server
- Antivirus scheduling update

Cyber Security



Lloyd's Register

Lloyd's Register Asia

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SeaNet Co., Ltd
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Attn: Mr. Y oon Ki Paik, President

Date 23 July 2018
Your ref -
Our ref 0750/ETS,&/E181711

APPROVAL IN PRINCIPLE
SEANET CO., LTD
ShipRight(Cyber SECURE(Communication System))

1. Lloyd's Register Asia has undertaken an evaluation of ShipRight(Cyber SECURE (Communication System)) for SeaNet Co., Ltd , with a view to awarding an "Approval in Principle".
2. The Evaluation included an overall examination of fundamental aspects of the design and general compliance with the follow ing Rules and Regulations:
   - Lloyd's Register ' s Rules and Regulations for the Classification of Ships , July 2017; and
   - Cyber -enabled ships -ShipRight procedure assignment for cyber descriptive notes for autonomous, Remote access ships, December 2017
3. Lloyd's Register Asia considers that the proposed design and safety statement of communication system is based on satisfactory standards and Rules and Regulations and Lloyd's Register Asia has Approv ed in Principle subject to final close out of the review findings of the submitted technical documentations detailed on the Marine Design Appraisal Document s with ref. numbers BTS/ETS/E181711 .
4. Final Lloyd's Register Classification will be based upon full compliance with all appropriate Rules and Regulations.

Young-Ooo Kim
North Asia TSO manager and Busan Technical Support Office Manager
Lloyd's Register Asia

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LR Approval in Principle

- SEANET cyber security principle had been approved by Lloyd's Register in July 2018.
- Email system, Ship's Network system and other communication system will be satisfied with the requirements of LR cyber security.
- Additional IoT instruments shall be interfaced with SEANET's S-NET Cloud server for security and land communication purpose.

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