Ship-to-Shore Solutions

SAL CLOUD

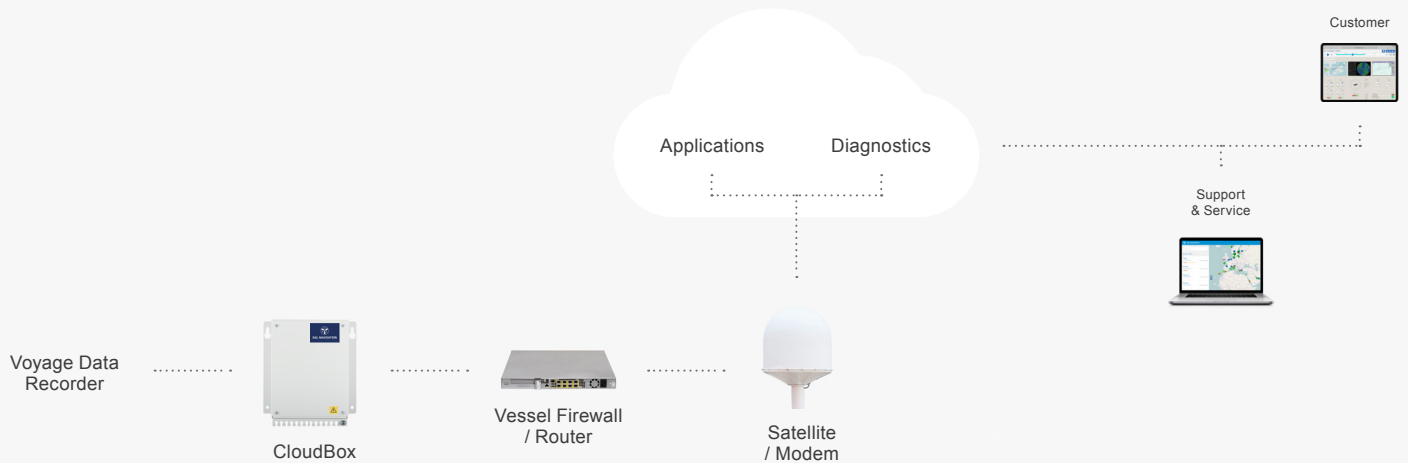**For efficient fleet safety management and operation.**

SAL NAVIGATION

Modern and secure fleet management tools **providing insights** for improved navigational safety.

Make informed decisions. Regardless of where in the world your vessels operate, make sure to stay informed and updated with automised event reporting, near real-time playback and in-depth analysis.

Always available. Whenever fleet safety management is a priority, SAL Cloud offers voyage data-based insights and quality assurance through modern, web-based applications and secure ship-to-shore communication.

Applications   Diagnostics

Customer

Support
& Service

Voyage Data
Recorder

CloudBox

Vessel Firewall
/ Router

Satellite
/ Modem

Capabilities

SAL Cloud is a ship-to-shore solution for Voyage Data Recorders (VDR) offering remote diagnostics as well as a range of voyage data-based applications for shore-based fleet safety management, such as Remote Playback, Notifications and Event Reports.

SAL Cloud can be accessed securely from the web browser on any computer, tablet or smartphone. The on-board hardware (CloudBox) connects to the on-shore server infrastructure through a standardised and secure HTTPS-connection outgoing from the vessel, keeping the firewall intact.

So as to keep data access secure, users log in to the cloud server via two-factor authentication. Also, data category access level can be set per user account.

Through Remote Diagnostics, strictly authorised personnel can analyse VDR system behaviour from the office, and if necessary suggest pro-active maintenance in a well-planned manner.

Our range of end-user applications lets ship management transfer and play back voyage data easily and securely by a few clicks, without having to handle any files or spend time on software setup. Automated reporting of critical events is another key to providing valuable insights, leading to more informed decisions.

SAL Cloud is the perfect choice whenever fleet safety management and continuous operation is a priority.

Standards

IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)

Key Figures

CloudBox (on-board hardware)	
Storage space	Standard 250 GB (ca 30 days), Optionally up to 2 TB (ca six to eight months)
Idle bandwidth required	~ 0.5 kbps
Recommended bandwidth	≥ 128 kbps
Maximum bandwidth required	~ 1 Mbps (for live streaming, all channels)
Cloud Server (applications)	
Storage space	4 GB (ca 12 hours) per vessel as standard, expandable

9:41

All ships ▾

Everywhere

Event Reports

▸ Rödkallen (4)

▸ Kimito (26)

▸ Mörkö (36)

▸ Bothnia (22)

▸ Edward (1)

▾ Fredrika (2)

    2021-10-16
        Depth below keel is less than 5 (1.4)
        SOG is greater than 12 (14.0)

    2021-09-22
        Depth below keel is less than 5 (4.9)
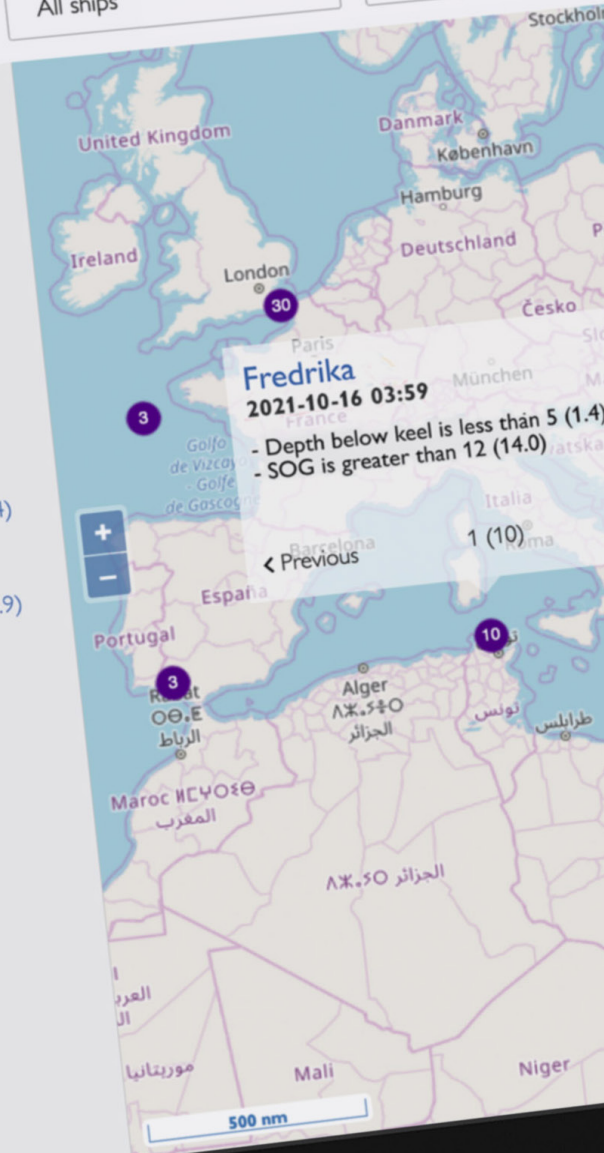   SOG is greater than 12 (18.3)

▸ Lagnö (23)

▸ Finbo (0)

▸ Brännö (0)

▸ Harlax (4)

  Liljeholmen (0)

  Marja (0)

▸ Brahe (3)

Fredrika
2021-10-16 03:59
- Depth below keel is less than 5 (1.4)
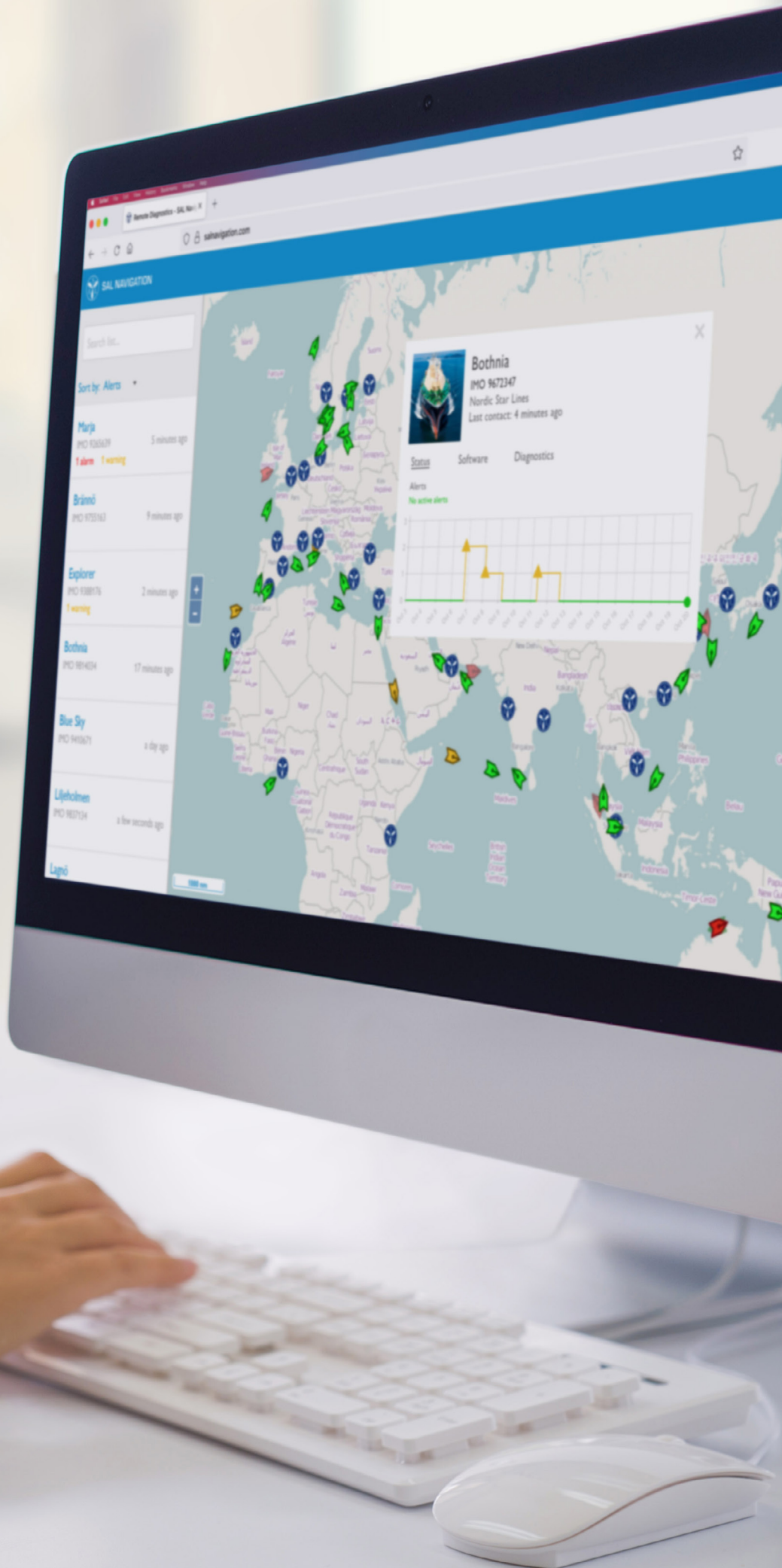- SOG is greater than 12 (14.0)

‹ Previous   1 (10)

500 nm

Set goal criteria and measure the operational quality automatically and continuously.

With SAL Cloud you can define voyage data-based rule sets for the vessels, used by the system to trigger notifications or events that are stored for follow-up and comparison across the fleet. This gives valuable insights into navigational patterns, which can be used to make informed decisions on routines for increased safety.

Keep your fleet sailing by ensuring **correct operation** from shore.

With our Remote Diagnostics tools, strictly authorised personnel can analyse system behaviour from the office and in many cases instruct the onboard crew on how to rectify minor issues. Should a service visit be necessary, it can be planned and executed well before a minor issue has grown into a problem, and the correct spare parts can be brought to the vessel based on the analysis.

System Components

Standard

Height:	295 mm
Width:	260 mm
Depth:	52 mm
Weight:	2.5 kg

CloudBox
Operating voltage 115-230 VAC. Data storage 250 GB (standard). Optionally up to 2 GB. Connects to SAL Cloud via the vessel's internet connection (HTTPS). Configurable data category filters. Protected by built-in firewall.

SAL Cloud
provides insights
for **fleet safety
management**
through modern
and intuitive
solutions.

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