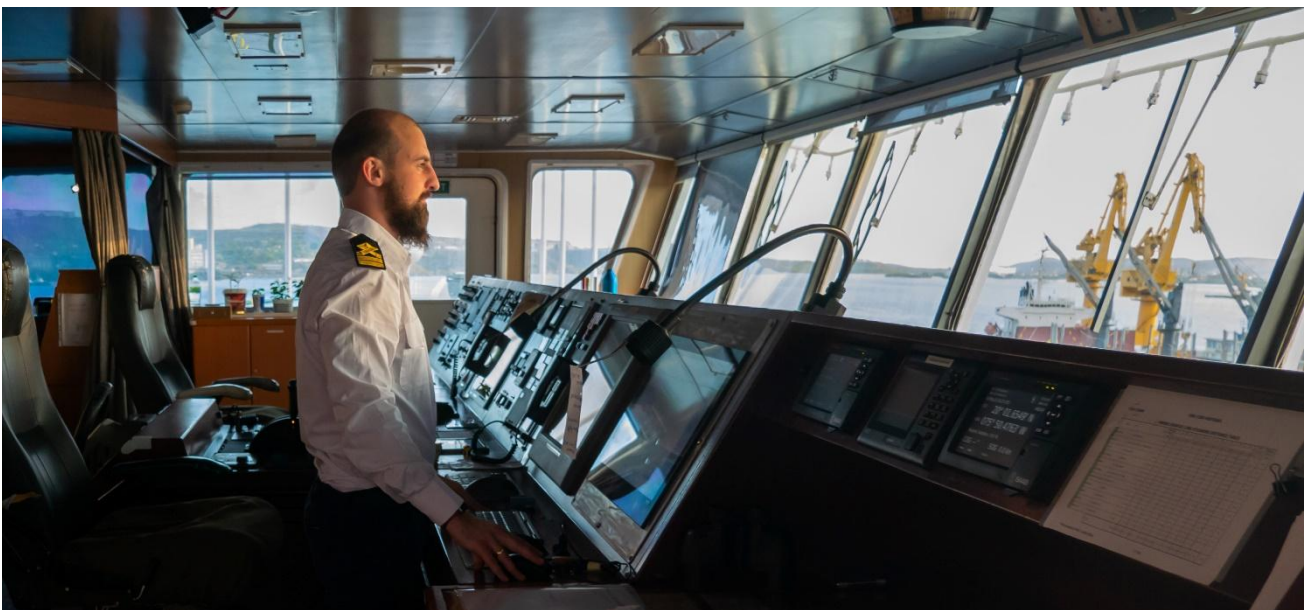


- **MMS Router:** The central component that handles intelligent message routing between other MMS Routers and MMS Edge Routers. When a connected MMS Router or Edge Router is not available, the MMS Router will store message until it can be forwarded.
- **MMS Edge Router:** A gateway to the external environment, e.g. digital services, and ensures access to IP-based services and handles satellite and terrestrial communication

The **Sternula MMS Routing Solution** allows the VDES network operator to exhibit its infrastructure to selected digital service providers and extend it securely with other VDES and MMS network operators. Using the Public Key Infrastructure (PKI) of MCP, all communication is authenticated to ensure the highest level of security.

The **Sternula MMS Routing Solution** can be operated at the customer's own premises or hosted and operated by Sternula as a service.



Deploy your S-100 services

- Navigational Warnings
- Weather Bulletins Service
- Ice Charts Service
- Route Exchange
- Digitally Signed Virtual AtoNs
- VTS Service
- Maritime Single Window

Features

- Compliant with the RTCM Standard 13900.0 for MMS Architecture and Protocol
- MMTP and SMMP protocols for authentication, confidentiality, and non-repudiation
- Support for VDE-SAT and VDE-TER networks for global and coastal coverage
- Support for any IP-based connectivity system.
- Robust message delivery even in intermittent connectivity scenarios

Compatibility:

- **Sternula MMS Routing Solution** can be integrated into a SECOM network by a SECOM-MMS Bridge
- **Sternula MMS Proxy Shore** integrates the **Sternula MMS Routing Solution** with any VDES provider