SitaWare Maritime
Meeting tomorrow's requirements today

Plans and Orders
Analyse the maritime situation and create coherent plans and orders.

Recognised Maritime Picture (RMP)
Compile and disseminate the RMP by fusing all source information, including radar and AIS tracks.

Track Correlation
Enrich the RMP with correlated tracks from multiple AIS and radar sources.

Anomaly Detection
Define detection rules that automatically identify suspicious behaviour and anomalies.

Messaging
Collaborate using Military Messaging and chat, including full support for formatted messages.

Interoperability with partner systems
Exchange information with maritime allies, coast guard, and army and air commands.
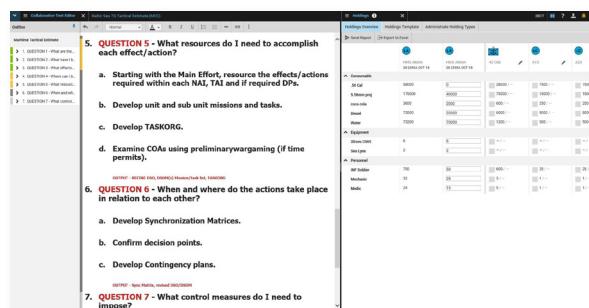
SYSTEMATIC

Exceed in-service systems and future-proof your maritime C4I

Monitor, assess, decide, plan, and direct

The maritime domain is a complex, three-dimensional operating environment that presents a multitude of challenges to naval commanders. However, SitaWare Maritime provides a solid foundation for operational success by meeting tomorrow's C4I requirements today. The system delivers a detailed Recognised Martime Picture (RMP) and brings comprehensive and collaborative planning functionality – to be used at maritime operations centres ashore, with task group commanders at sea, and on individual ships.
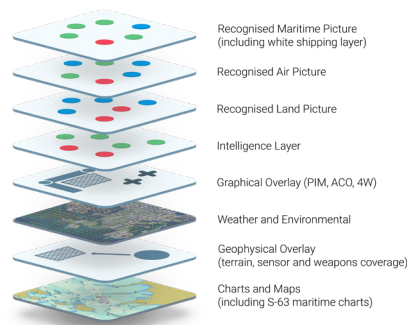
Plans and Orders
Before any maritime operation can be executed, a thorough estimate and planning must be conducted. SitaWare Maritime features a comprehensive Plans and Orders module, which combines a word-editor and tactical overlays to assist you in conducting a tactical estimate and creating the plan for the operation. With the plan in hand, the built-in IRIS Forms assists you in drafting and disseminating the required military messages and orders to execute the operation.
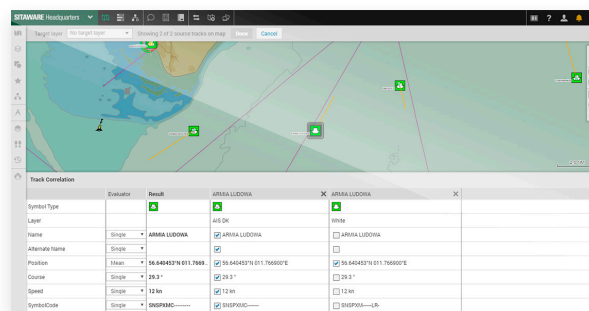

Recognised Maritime Picture (RMP)
The lynchpin of every successful maritime operation is total situational awareness of the surface, subsurface, and air pictures. Tracks from coastal and ship-based AIS, radar systems, and remote sensors received through Tactical Data Links (TDLs) are correlated and displayed in near-real-time. The tracks can be correlated either locally or distributed to a central processing centre for further management. You can configure the RMP to match exact needs, from monitoring territorial waters and economic exclusion zones at national level to the focused Area of Operations (AO) of a task group. The RMP can include both the classified Military Picture as well as the unclassified civilian White Picture.

Recognised Maritime Picture (including white shipping layer)

Recognised Air Picture

Recognised Land Picture

Intelligence Layer

Graphical Overlay (PIM, ACO, 4W)

Weather and Environmental

Geophysical Overlay (terrain, sensor and weapons coverage)

Charts and Maps (including S-63 maritime charts)

Track Correlation
To ensure a high quality RMP, it is vital that the commanders are presented with correlated tracks from a wide variety of sources – and that the bulk of track information is automatically correlated. That is why SitaWare comes with a mature and proven correlation engine that is capable of handling tracks from multiple AIS and radar sources, whether they are received directly from the sensors or via other C4I, Vessel Traffic System (VTS), or Combat Management System (CMS).
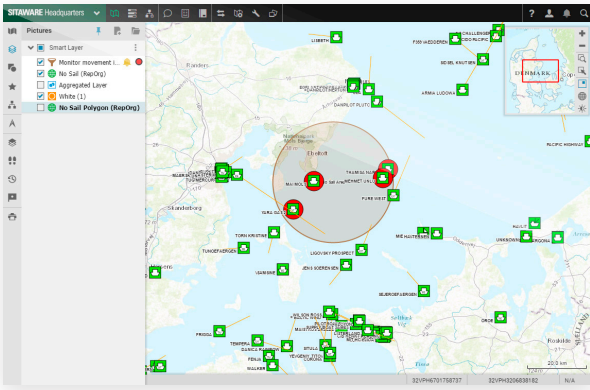

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SitaWare

Proven success
Operational in more than 30 countries
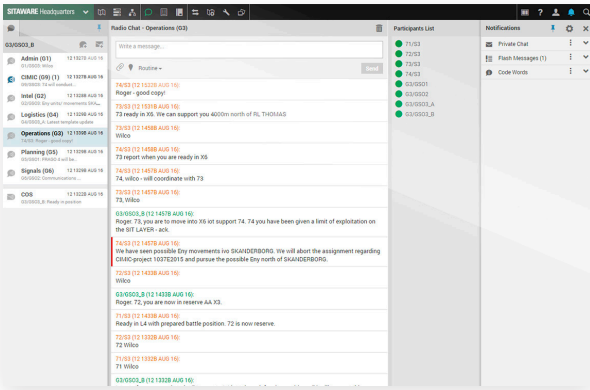
23 Ready to use
Low risk
Try before you buy

Unmatched interoperability
Proven in numerous operations and exercises

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Anomaly Detection

Early detection of possible threats and illegal activity is essential to a successful mission. Time is always a limiting factor when you need to respond to actual threats. In SitaWare, operators can define detection rules that automatically identify suspicious behavior and notify the commander of any anomalies. This includes vessel of interest sightings as well as tracks entering/leaving defined areas or proceeding outside set parameters.

Messaging

Maintain the operational tempo through the use of chat and military messages between national units and partners. Exchange military e-mails as well as STANAG 4406 and ACP-127 messages through a plugin to Microsoft Outlook including full support for APP-11, USMTF, and OTH-Gold formatted message templates using IRIS. Take advantage of instant messaging in distributed chat rooms in a XMPP and JChat compliant client compatible with both high and low bandwidth networks.

1 **APP-11** NATO Message Catalogue ADATP-3	2 **OTH-GOLD** Over-the-Horizon-GOLD	3 **AIS** Automatic Identification System Civilian Maritime Tracking	4 **CoT** Cursor-on-Target
5 **USMTF** United States Message Text Format	6 **MISB** STANAG 4609 Motion Imagery (UAS Video)	7 **LINK 16 SIMPLE** STANAG 5602 Standard Interface for Multiple Platform Link Evaluation	8 **LINK 16 JREAP** STANAG 5518 Joint Range Extension Applications Protocol
9 **ADS-B** Automatic Dependent Surveillance - Broadcast	10 **XMPP** Extensible Messaging and Presence Protocol	11 **NVG** NATO Vector Graphics	12 **KML** Keyhole Markup Language Export to e.g. Google Earth
13 **NFFI / FFI** STANAG 5527 NATO Friendly Force Tracking	14 **MIP** Multilateral Interoperability Programme 3.1 and 4 JC3IEDM & MIM	15 **VMF** United States Variable Message Format	16 **ASCA** Artillery Systems Cooperation Activities

Interoperability with partner systems

Maritime commands often need to coordinate operations with air and land components, coalition partners, coast guard, or other civilian and governmental agencies. This coordination requires the ability to exchange information with partner systems. SitaWare enables you to exchange tracks, plans/orders, and messages in a wide range of formats, including APP-11, OTH-Gold, AIS, WAIS, USMTF, Link 11, Link 16 SIMPLE, Link 16 JREAP, ADS–B, ASTERIX CAT 048, NVG, KLM, NFFI, VMF, and MIP.

High quality user experience
Easy to use
Low training costs

Low deployment cost
Deploy on standard
Windows hardware

Open architecture
APIs for extending and integrating applications and external sensors

Active roadmap
Customers share cost of future updates and new capabilities

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Systematic delivers world-leading Command-and-Control, military messaging, and electronic warfare solutions. In service with more than 50 countries, our reliable, user-friendly software is operationally proven.

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