

SAAB TRANSPONDERTECH



SAFETY
NAVIGATION
AWARENESS



HARBOUR WATCH
PORT WATCH
COAST WATCH

WORLD LEADER IN MARITIME SECURITY



SAAB



Saab TransponderTech is specialized in development and maintenance of marine information-, sensor-, and communication systems for both Vessel Traffic Management Systems and port- and coast security. Our long experiences in the field have placed us as one of the major players in the market.

The Saab Vessel Traffic Management System (VTMS) is an open system that can utilize virtually any sensor information. The system can easily be adapted to the specific requirements of each user.

The system is component based and facilitates a number of already existing software components in order to provide the user with a real-time maritime picture that is easy to comprehend.

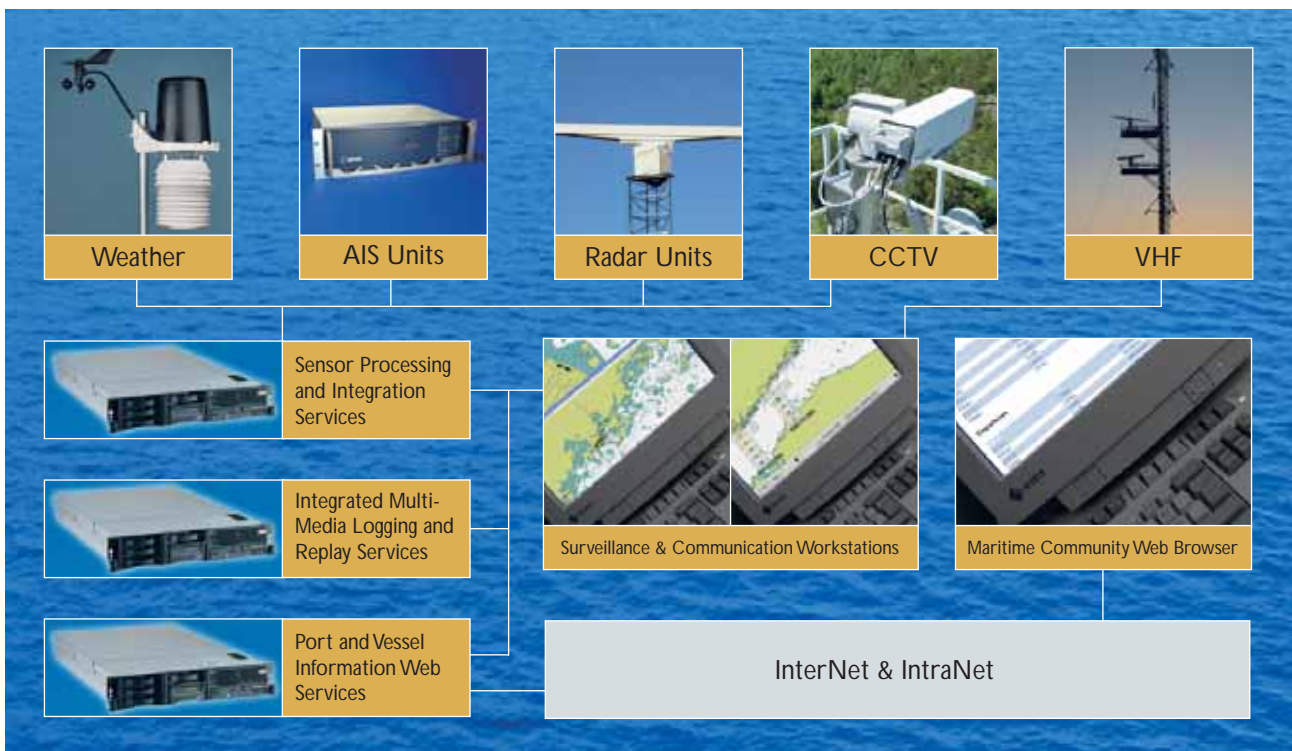
The system may easily be adapted to customer specific requirements due to its flexible system design. Among the functions offered are Electronic chart of the area with customizable overlays, fused system level tracks fused from Radar and AIS as well as a track history database.

Harbour Watch



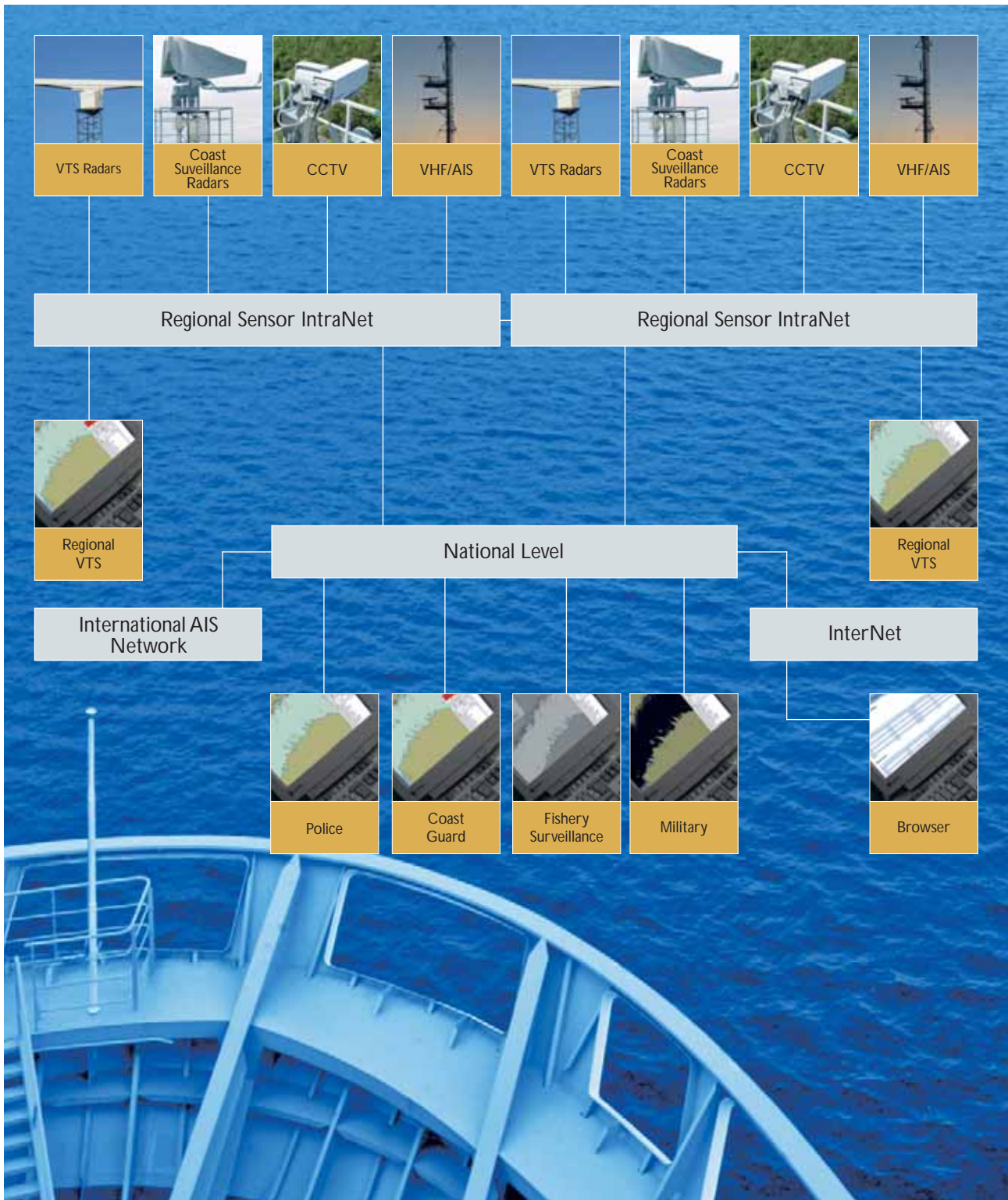
- COTS Plug and Play Traffic Surveillance Systems
- AIS and Radar Track Fusion
- Track Controlled CCTV

Port Watch



- Complete Integrated Maritime Security System
Weather, AIS, Radar, CCTV, RDF, AtoN, Vessel Information System with Voyage Management and Database Support
- Sensor Fusion and Control
- Multi-User, Multi-Workstation Customizable System
- Integrated VHF Voice Communication System
- Web Service

Coast Watch



- Complete Integrated Maritime Security System Weather, AIS, Radar, CCTV, RDF, AtoN, Vessel Information System with Voyage Management and Database Support

- Sensor Fusion and Control
- Multi-User, Multi-Workstation Customizable System
- Integrated VHF Voice Communication System
- Web Service



Why Saab?

Your supplier and integrator of a complete Maritime Security Concept

On board equipment

R4 AIS Transponder systems for commercial SOLAS vessels in accordance with the IMO carriage requirements. The system has worldwide type approval and has been installed in more than 7500 vessels worldwide.

R4S AIS Transponder systems for Police- Coast Guard- and Navy forces. Special functionality such as silent mode encryption and proprietary messages.

R4A Transponder systems for Helicopters and Aircrafts. The system is certified for aviation and is an excellent tool in SAR operations and sea surveillance.

Remote Sensor Sites

Radar sensors for VTMS and Coast surveillance. The Saab Radar sensors are designed for shore based traffic monitoring and coast surveillance. Both X-band and S-band radars with special characteristics for various applications are available.

R40 AIS Base Stations in full accordance with IALA A-124 recommendations. The Base Station has integrated Base Station Controller and Ethernet connection. Possibility to transmit differential GPS corrections over the AIS link is also included.

Voice Communication systems. The system is to a large extent built and designed using COTS components which makes the System a cost-effective solution yet flexible, redundant and scalable.

CCTV, Closed Circuit TV Systems, Metrological-Hydrological Systems, monitoring and control of Aids to Navigation Systems. The sensors to be integrated with an efficient software tool for collection, storage and presentation of the data from the various systems.

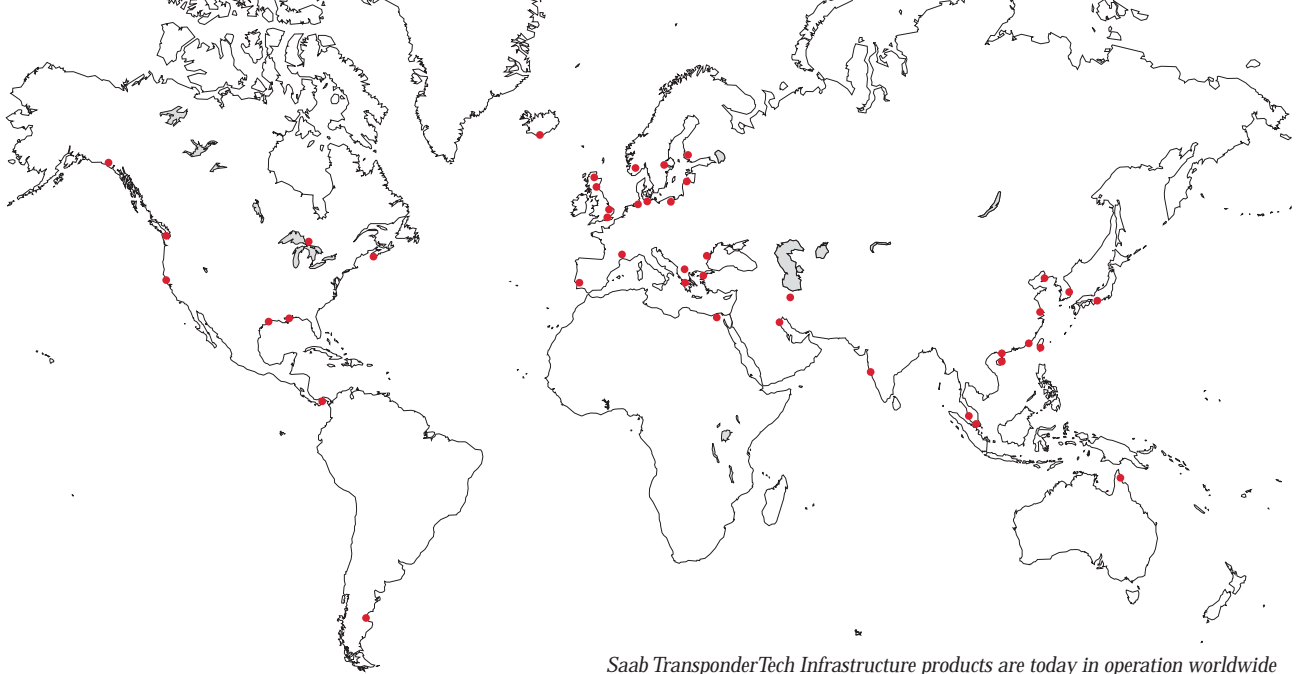
Network Processing Services

VTMS/VTMS Database. Track fusion. Voyage Management. Communication.

The processing system at the VTMS/VTMIS consists of several different application servers that run a predefined task. The configuration of the system depends on the customers need and demand.

Operator Workstations

The operator workstation acts as the primary user interface towards the information system services within the VTMS System and provide the user with access to the full picture of the area.



Saab is one of the world's leading high-technology companies, with its main operations focusing on defence, aviation and space.

The Group covers a broad spectrum of competence and capability in systems integration.

Saab develops, manufactures and delivers advanced products and services for the defence market, as well as for those commercial markets where its capabilities create business opportunities.

The Group's own strength and strategic partnerships enable it both to compete and collaborate in international markets.

Saab has the world as its market, but research, development and production are carried out principally in Sweden.

The Group has a total of approximately 13,000 employees. Total annual sales are SEK 17,250 million. Research and development corresponds to about 20 per cent of turnover.

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