**SAAB**

# SEAWATCH
## Electronic Chart Display Software

SeaWatch is an advanced PC based moving map software application which has been developed to fully support Saab's various AIS solutions. The received AIS data is displayed in a clear and concise way to the operator. In addition to this SeaWatch also includes a number of useful operational features, related to Search and Rescue, Surveillance and other mission critical functions.

SeaWatch is specifically designed for use with Saab's airborne AIS transponder and our various shipborne transponder versions. While being both easy to install and use, it provides a powerful stand-alone moving map solution for various platforms such as aircraft, patrol boats, RHIBs and others.

### Display and Usability
The SeaWatch application is designed to operate on any PC, although it has been optimised to run on a Tablet PC with touch screen to ensure high usability and visibility. The SeaWatch main map display view mimics an airborne navigation display to ensure a familiar and intuitive interface for the operator.
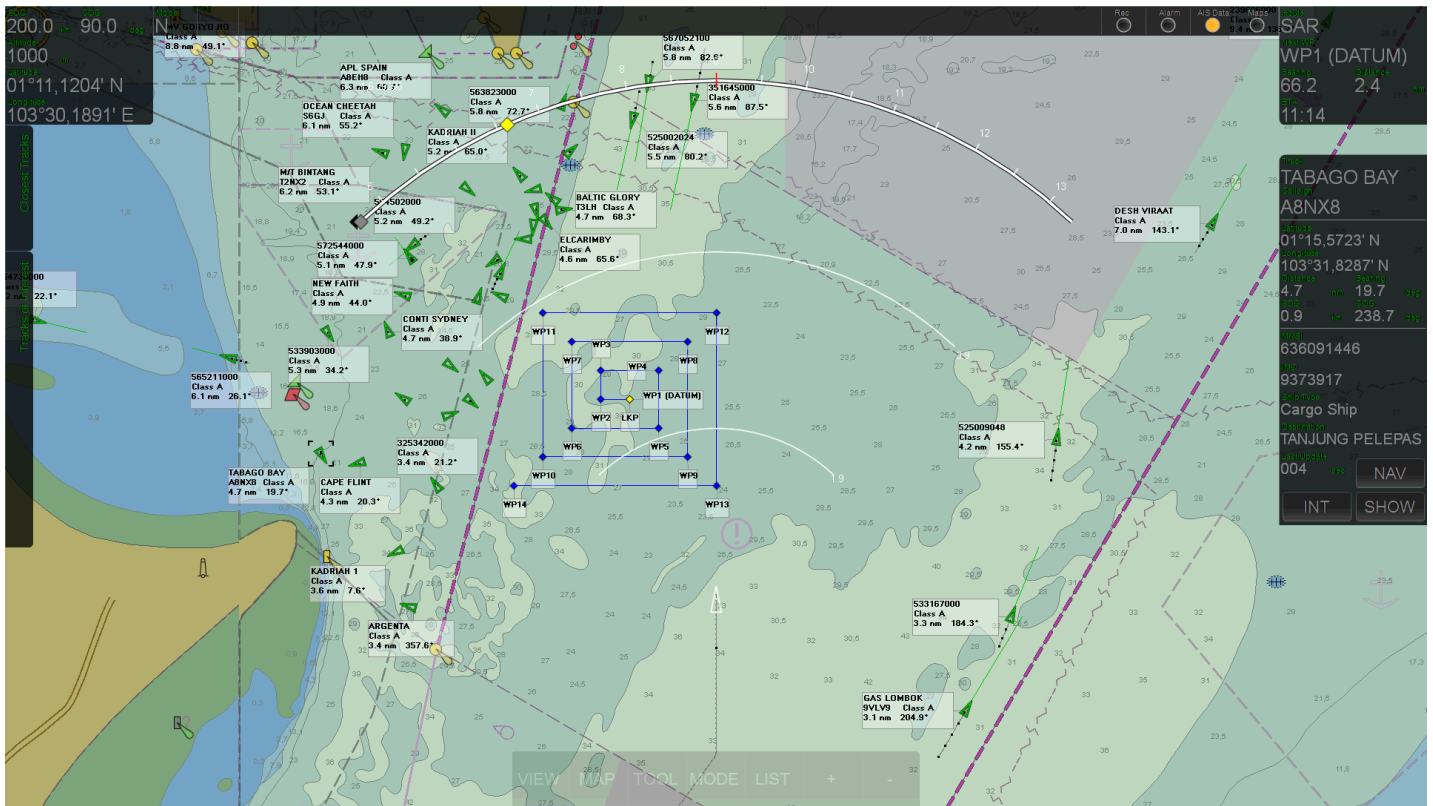
### Configuration
SeaWatch is fully integrated with Saab's AIS transponder platforms and capable to configure all parameters.

### Optimised for AIS presentation
SeaWatch is based upon Saab's well known CoastWatch system, which is used in many advanced shore based AIS and VTS solutions world-wide. SeaWatch handles information with several layers and supports a variety of map formats, including the most important S57/S63 marine charts.

### Main Features
- Target plots on chart with detailed data about selected target
- Selectable chart view (Free, North up and Track up)
- Target Filter
- Search and Rescue patterns
- Waypoints, Areas and POIs
- Record and replay
- Messages (binary and safety related)
- Full transponder configuration
- Secure AIS support
- Vessel database

## Display of AIS Targets

SeaWatch plots all targets on the map display and shows detailed information in a separate target list. The operator can select any target of interest to be highlighted. When connected to a secure enabled system other Secure AIS units, as well as relayed targets, will be clearly distinguished on the display.

## Surveillance

The SeaWatch is an excellent tool for naval forces, coast guards and other qualified users during surveillance operations. AIS target data provides valuable information to both individual operators and external systems and in combination with data from other sensors the situational awareness is significantly increased. The Vessel Information database also makes it possible to visually verify a vessel based upon stored photos.

## Support for Saab Secure AIS

The SeaWatch has embedded support for all advanced Secure AIS features such as situation relay handling (including interrogation and display of relayed targets), distribution of new encryption keys and free text messages to other secure users.

## Search and Rescue

The SeaWatch is capable of receiving a prepared mission plan from e.g. a Maritime Rescue Control Center, when Saab's Secure AIS solution is used. The mission may hence be fully controlled and monitored both at the concerned SAR platform and at the control center. Information that can be communicated over the encrypted link includes but is not limited to SAR plan, last known position (LKP), names, means of communications etc.
The SeaWatch application can additionally be utilised to locally plan a SAR mission based upon all commonly used search criteria.

## Operational Requirements
Connection to a Saab AIS transponder system
PC, preferably TabletPC with Windows 7 and .NET framework 3.5 and DirectX

Specifications subject to change without noticce