VTS NET

Monitoring of vessels

VTSNet is MSM's solution for the monitoring of vessels for any organisation that needs to monitor maritime traffic in its waters.
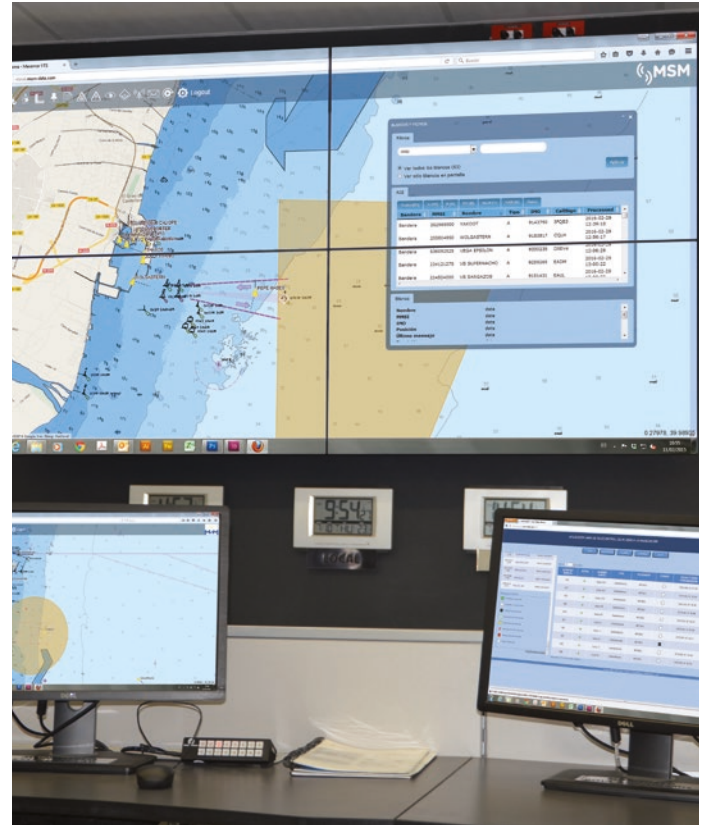
Display and track all vessels

VTSNet provides a complete AIS interface that includes the possibility to display and track all vessels, show specific information on the ships, send and receive text messages related to safety and monitor real and virtual Aids to Navigation (AtoN).

VTSNet is totally configurable and can be used in several ways to satisfy the safety needs of any organisation.

Ideal for security operations and monitoring

VTSNet is ideal for security operations and monitoring of vessels since it includes features such as the configuration of areas and settings of entry and exit alerts, filtering ships of interest, etc. Operators can also play the recorded data selecting the date and start and end times.

FEATURES

- WEB-based application.
- Monitoring and identification of ships or other navigation objects.
- Manual and automatic target identification and acquisition.
- Configuration of polygonal and cicular areas and pathways.
- Setting of rules associated to exclusion zones, inclusion zones or crossing of pathways.
- Target filtering based on MMSI No., IMO No., name, speed, draft, etc.
- Supports text messages related to safety, targeted as well as broadcast (12 or 14).
- Configuration of management alarms including sensor alarms as well as navigation alarms.
- Presentation of dynamic and static AIS data.
- Monitoring of real AIS AtoN and creation of virtual and synthetic AIS AtoN.
- Possibility of recording and playing stored data for administrative purposes and analysis of incidents.
- Creation of predefined views by the user.
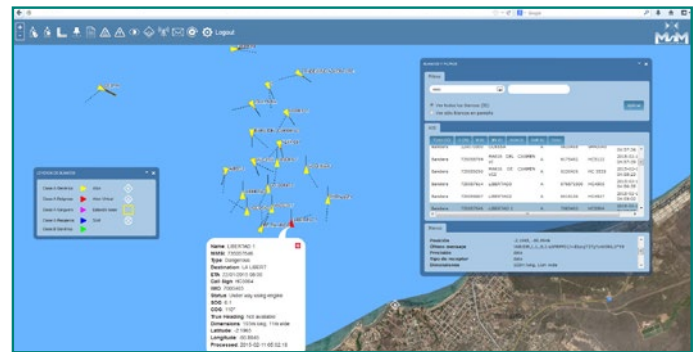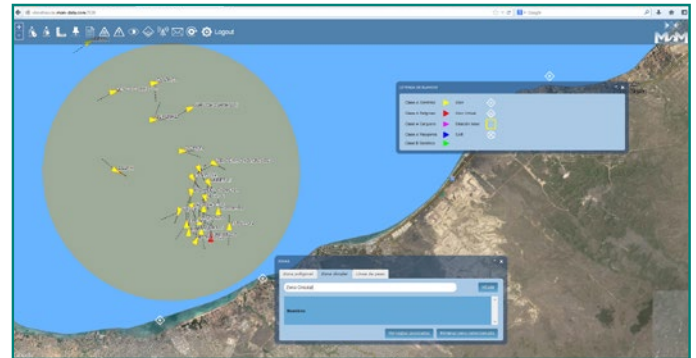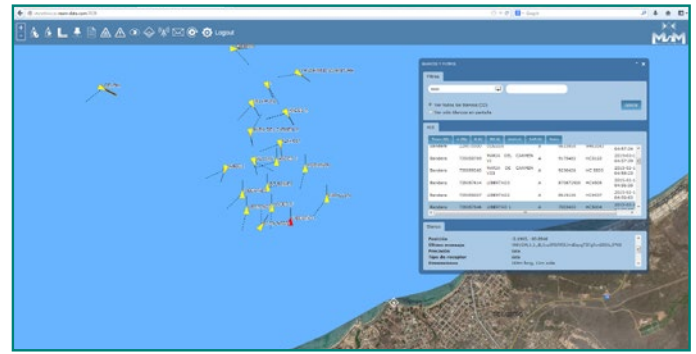
VTS NET

VTS NET

VTS NET main function is the display of AIS transponder-equipped stations (aids to navigation, vessels, etc.) on a map.

For that purpose, it requires interacting with AIS Base Stations with which it exchanges AIS messages received from the different transponders and being able to create virtual AIS AtoN or sending messages to the vessels.

The different AIS targets are displayed on a map with several cartographic layers to represent the land (Google Earth) and the sea (Electronic Nautical Charts), with a graphic and intuitive interface.

FEATURES OF VTS NET

WEB-based application.

Monitoring and identification of ships or navigation objects.

Ensures transit efficiency.

Collision prevention devices.

Manual and automatic target acquisition.

Manual and automatic target identification.

Assistance in search and rescue, as well as in coast guards activities.

Supports multiple IP connections with AIS Base Stations and Receivers.

Different levels of details in the display of nautical charts configurable.

Creation of predefined views by the user.

Configuration of polygonal and circular areas and pathways.

Setting of rules associated to inclusion and exclusion areas or crossing of pathways.

Target filtering based on MMSI No., IMO No., name, speed, draft, etc.

Supports text messages related to safety, targeted as well as broadcast (12 or 14).

Configuration of management alarms including sensors alarms as well as navigation alarms.

Presentation of dynamic and static AIS data.

Monitoring of real AIS AtoN.

Creation of virtual and synthetic AIS AtoN.

Possibility of recording and playing stored data for administrative purposes and analysis of incidents.

Protection of the environment.

Integration of tracking through Radar and AIS.

Integration of multi-radar tracking.

OPTIONS

Possibility of integration with the existing port systems.

Detection of illegal activity (terrorism, piracy, inmigration, illegal fishing...).

Support and control of radar, AIS, CCTV, Meteo and Hydro sensors.

Integration and filtering of multi-AIS data.

Transmission and reception of AIS text telegrams.

Specifications subject to change without previous notice.