TSD Nautical Sentry

BROWSER-BASED AIDS TO NAVIGATION DISPLAY SOFTWARE

Powerful Monitoring at Your Fingertips

TSD Nautical Sentry is a powerful web-based display and communication system. This leading edge software makes it easy to mark shipping lanes, monitor vessel traffic, transmit virtual AtoNs to mark protection zones, monitor dredge and Met/Hydro, and of course standard AtoN management and functionality. TSD Nautical Sentry includes messages 6, 8, and 21 along with a multitude of other features that include record and replay, event creation, vessel tracking, reporting, and advanced monitoring of AIS units.

A few benefits of the TSD Nautical Sentry include:

Real time display of AIS data via the web.

Secured cloud based deployment for your data protection.

Intelligent event and warning area detection and alerting.

TIDELAND

Product Overview

TSD Nautical Sentry is a web based AtoN and Vessel Monitoring service that can be accessed by any computer or tablet. What makes this product so special is that any AtoN connected to a base station can be monitored for functionality in real time and can relay message 6, 8, and 21 along with advanced Met/Hydro data. TSD Nautical sentry also doesn't just monitor AtoNs it also can track vessels speed, bearing, location and routes up to 30 days.

Monitoring and providing safe waterways into or around your port, harbor, wind farm, or oil rig is extremely important which is why **TSD Nautical Sentry can also provide**:

Tideland Signal Display (TSD) Nautical Sentry

- Creation of synthetic and virtual AtoNs so that you can create events and warning areas to protect your structure as well as incoming vessels.
- Message vessels directly using the software for alerts and warnings.
- Create events to track AtoNs and Vessels for your desired cause.
- Replay activity of AtoNs and vessels up to 30 days. (activity after 30 days can be accessed with notice)
- Create and export reports based on vessel traffic, AtoN activity and events or a multitude of other reports that may be of service.

Due to TSD Nautical sentry being a web based service, site maintenance and updates are always ongoing. Tech service is provided to you and the service can be updated for better features in different versions depending on your needs.

Benefits of purchasing the TSD Nautical Sentry:

 Ports and Harbors

1. Actively track ships entering your port. Monitor ships speed, bearing, and position to effectively guide them into the port.

2. Monitor the AtoNs surrounding your port with alerts or failures along with Met/Hydro functionality.

3. Creation of events and synthetic AtoNs to notify vessels entering the port of obstructions or other warning areas.

4. Send messages to oncoming vessels

5. Advanced recording and replay features of AtoNs and vessels within your port.

6. Create reports depending on your port or harbors needs for vessels, AtoNs or events.

 Wind Farms & Oil Rigs

1. Advanced filtering and event creation allows you to actively protect and your oil rig and windfarms to warn vessels entering the area.

2. Can track Vessels speed, distance and bearing.

3. Monitor all AtoNs connected to the rig or wind farms or AtoNs in the surrounding area along with Met/ Hydro functionality.

4. Send messages to oncoming vessels

5. Create reports based on the activities around your structure from vessel tracking, AtoN management, and watchdog event reporting…etc.

TSD Nautical Sentry is currently available for purchase. (Please talk to your nearest sales representative)

With purchase all data is private and maintained by cloud based services. Training videos are provided online and Tech support is available. Along with purchase of the web based service you have access to two reports of your choice:

Report Type	Description
AtoN Detailed Overview	Overview of the status of all AtoNs configured in the system
Watchdog Events	Generates a list and report of all the events triggered in a given time frame.
Area Reports	Create statistics based on Vessel traffic in a specific area.
Historical Tracking	Generates graphs displaying AIS tracks within a specific time frame and specific geographical area.
Passage Lines	Create statistics based on vessel traffic crossing a specific passage line.
Port Calls	Generates a list of all port calls in a specific area or worldwide from a specific list of vessels
Density Reports	Generates overlays displaying the density of vessel traffic within a given area of the chart.
Historical Trips	The Historical Trip report enables users to generate graphs displaying completed vessel trips within a specific time frame and a specific geographical area.
Passage Line Ships	Generates a list of all the ships passing any number of passage lines in a particular order.
SOG Distribution	Creates distribution data and graphs based on the Speed Over Ground as reported by the ship AIS transponders.
Near Miss Ship - to - Point	Generates a list of all the AIS targets that have been within a certain distance of a given point.
Near Miss Ship - to - Ship	Generates a list of all the AIS targets that have been within a certain distance of another AIS target.
Video Replay Report	Creates a video file showing the movement of all ships, or selected ships, inside an area for a given time period.
Ship Report	Creates a report of the tracking of one or more particular ships for a particular time period.
CSV Data Export	The CVS data Export allows the user to export AIS data as a zip compressed file of comma seperated values (CSV)

*Additional reports available on request. Please contact sales@orgasignal.com for more information.

Tideland Signals mission is to deliver innovative aids to marine navigation solutions (AtoNs) with a commitment to, flexibility, service and innovation. With TSD Nautical Sentry we will take a step together to solving your waterway needs.