

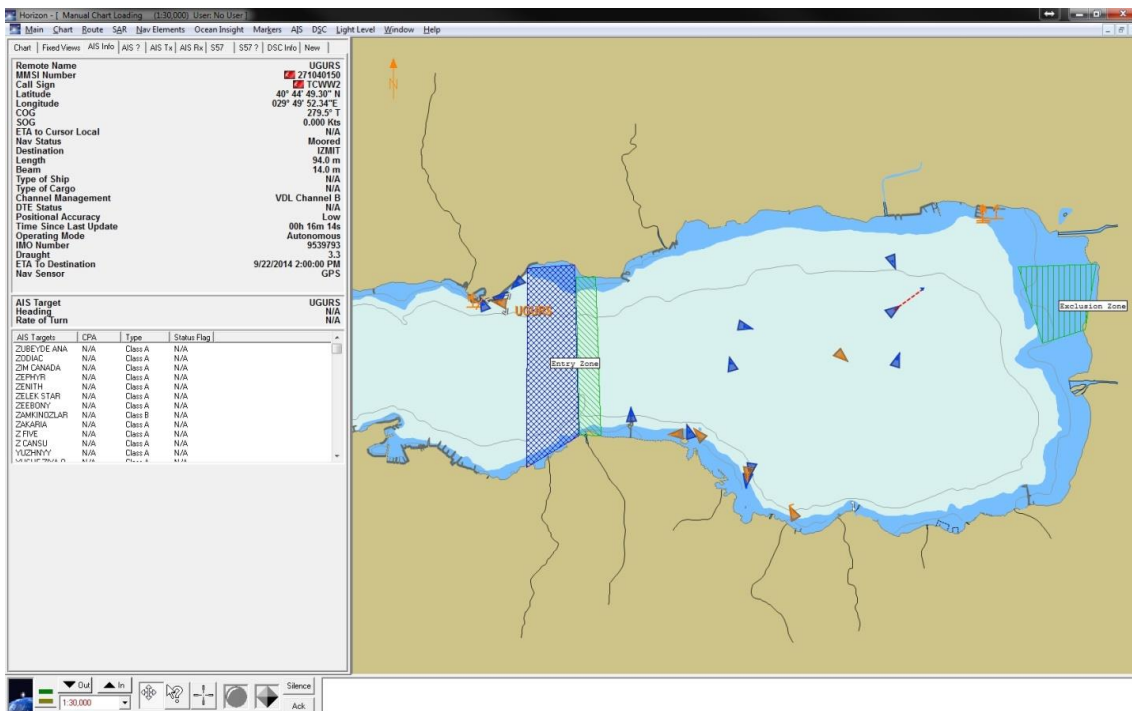
Horizon

Shore Based Monitoring Software

Horizon is CNS Systems' shore-based vessel monitoring solution designed for vessel traffic and monitoring centers. Horizon is ideal for any organization that has a need to monitor vessel traffic in their waters.

Horizon provides a complete AIS interface that includes the ability to view and track all vessels, display specific vessel information, send and receive safety related text messages, and monitor virtual and AIS equipped Aids to Navigation (AtoNs). Horizon's interface and display of AIS related information offers a substantial leap forward in the ability to communicate quickly and efficiently with all vessels in the area.

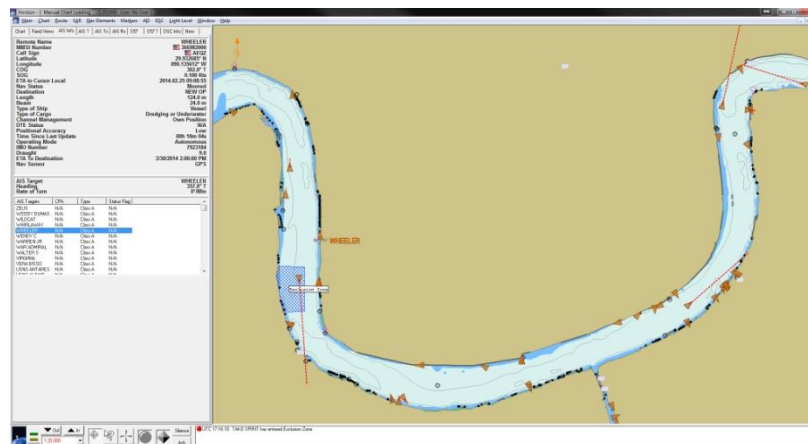
Horizon is fully configurable and can be used in a variety of ways to suit the needs of any organization. Horizon has been used on oil platforms to monitor incoming and outgoing vessels and helicopters, monitor environmental conditions and conduct SAR missions. Horizon has been essential to ports, both small ports and for large regional coastal surveillance, in increasing the safety, security and efficiency of operations. Horizon also allows users to set and monitor virtual AtoNs as well as AIS equipped AtoNs. Horizon is ideal for security and surveillance operations, as Horizon includes features that allow the tracking of targets of interest, a secure communication module (Sentinel), and the ability to configure zones and set entry and exit alarms. Operators can also use Horizon's fixed view option to toggle between screens and monitor several areas or display various activities within a port or designated area.



CNS Systems™

Features & Functionality

- Supports multiple chart formats: S-57 (including encrypted S-57), ARCS, Seafarer, BSB and NTX.
- Automatic and manual chart loading with ability for multi-chart display.
- Creation of fixed views and automatic toggle between views.
- Configurable zones with associated entry and exit lanes.
- Configure targets groups.
- Filter targets based on navigation status, vessel type, range, bearing, speed, etc.
- Scheduled and on-demand message transmissions.
- Support for Addressed and Broadcast Application Specific Standard Text Messages (6 or 8) and Safety Related Messages (12 or 14)
- Aids to Navigation (AtoN) monitoring.
- Support for serial, TCP/IP, UDP, and file connections.
- Administrative options provide users the ability to lock down all configurations and defaults.
- Highly configurable information display, with customizable light level.
- Vessel Track Database - Contains the vessel information database as well as the additional alarms.
- Ability to log and play back data.
- Enhanced Monitoring & Messaging - Offers sophisticated AIS and communication functions such as zone-collision, anti-grounding and anti-collision alarms.
- Radar Overlay - High resolution, real-time radar image overlay, used for such applications as SAR, iceberg detection, obstacle avoidance and costal surveillance.



Horizon manages all standard AIS messages

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