

Live MDM System demonstration at IMDEX 2015 in Singapore

SRT Marine System Solutions (an operating division of SRT plc) provided a live demonstration of its Maritime Domain Management (MDM) System at Asia's largest maritime security exhibition. Distinguished visitors from Navies, Coast Guards and Fishery departments of nations across Asia were able to experience, in real time, how the system permits national fleets to be reliably tracked and managed across this EEZ.



The SRT MDM system is a complete turnkey solution for managing any marine domain, from a single port or local area to a complete national EEZ and beyond. A range of sophisticated functionality including VTS, VMS, fishery license control, illegal fishing alert system, vessel threat identification system, SAR management and much more, including additional custom functionality ensure that the SRT MDM system meets the needs of all marine stake holders now and in the future.

The modular core architecture enables the system to be scaled and optimised for any fleet or territory and easily enhanced with additional functionality in the future. At its core,

is the GeoVS HUB, a powerful maritime database into which real time data from vessel transceivers and other sensors is continuously validated, aggregated and fused. This provides a constantly growing national data resource which can be harnessed to enhance maritime safety, security and management.

A variety of unique embedded technology provides the SRT MDM system with unmatched reliability and integrity. ABSEA technology enables low cost AIS Class B and Identifier type transceivers to be reliably tracked by local terrestrial coast networks and when out of range, by the exactEarth global

AIS satellite network. The fusion of terrestrial and satellite AIS data feeds in the GeoVS HUB enables total EEZ coverage. Our unique anti-spoofing technology (AST) ensures that every transmission is validated to ensure tracking data is of the highest integrity and any tampering with vessel transceivers or their transmissions is immediately detected and reported.

The SRT MDM system is a complete solution to the maritime domain awareness requirements of nations. Flexible, scalable and highly cost effective for even the largest national program.

Enhanced Identifier functionality

The Identifier AIS transceiver is now available with a customisable user interface accessory which offers a range of configurable functionality.

The simple, robust and tamper proof interface allows the Identifier to be connected to any external power source such as the vessels own power supply or solar panels such that the internal Identifier battery operates as backup in the event of power loss.

The interface also supports a range of visual and audible operator alerts such as SAR, speed and Geo-Fence which can be conveniently located in the wheel house for optimal visibility.



SRT SPOTLIGHT

High Fidelity AIS Performance

SRT technology delivers superior operational performance.



Independent tests consistently confirm that SRT technology delivers superior performance – zero-loss real time AIS message processing, high performance GPS plus much more. The result is high fidelity AIS for the user. The SRT technology ICON is now a mark of quality that product buyers can lookout for to be sure the AIS product they buy is powered by SRT core technology.

5W SOTDMA AIS Class B on the way

SRT continues to lead the world in development of leading edge innovative AIS technologies and products – the new SOTDMA Class B available later this year offers a new option for commercial boat owners and larger leisure boats, with ABSEA enhanced satellite AIS capability.

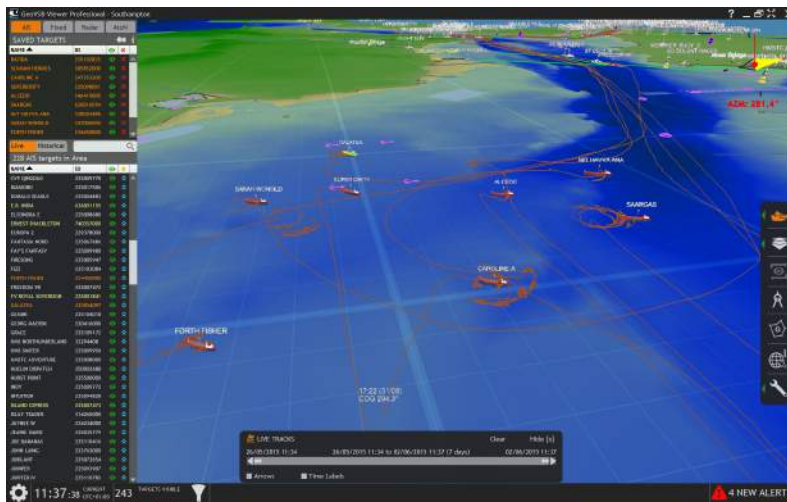
The IEC AIS Class B standard now specifies two different variants of Class B; the 2W CSTDMA variant and the 5W SOTDMA variant. The different SO and CS TDMA protocols, and transmit power, offer many advantages to varied users and applications.

Using our latest core technology architecture and flexible product platforms, SRT has developed the world's first fully certified SOTDMA 5W Class B. The first product will be a fully integrated, ruggedized IP67 waterproof transceiver with full high resolution ENC chart display functionality and wifi connectivity. This new product enhances SRT's complete AIS product portfolio, and opens new opportunities for our customers and the AIS market.



**NEW
PRODUCT**

GEOVS historical data analysis feature upgrade



GeoVS VIEWER and HUB products continue to evolve at an increasing rate to deliver operators innovative new functionality to enhance maritime domain awareness. The latest release of GeoVS VIEWER now incorporates a range of sophisticated historical track analysis functionality which enables an operator to instantly view the historical track of any single or multiple vessels over a defined period.

SRT enhances best in class AIS AtoN range



The SRT AtoN product range has been further enhanced with the addition of a miniature black box transceiver and sensor fusion interface solution suitable for installation on even the smallest buoy. The product uses the SRT Tungsten AtoN core technology which ensures the lowest power consumption in the world, coupled with maximum functionality and operational performance. SRT now not only has the best performing AtoN in the world, it also has the broadest product range, which is further complemented by new GeoVS AtoN display functionality.

RECENT EVENTS

Note: specific customer names and projects are not published to protect our customer's confidentiality

- Global** AIS system being adapted for multiple maritime applications.
- Asia** GeoVS installed at one of Asia's busiest ports. MDM proof of concept trials nearing completion in 7 countries.
- Europe/USA** US, EU mandates for most commercial vessels in force.
- S. America** SRT requested to undertake proof of concept trials in support of MDM proposals.
- Middle East** Thousands of Identifiers deployed. Proof of concept MDM trials successfully completed.
- Africa** SRT MDM system being trialled by multiple countries for national projects.



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