What is AIS?
Automatic Identification Systems (AIS) is a maritime radio technology system developed and maintained under the auspices of the International Maritime Organisation (IMO). Globally mandated in 2002 as part of the IMO SOLAS agreement, AIS is widely and increasingly deployed to improve and enhance maritime efficiency, safety and security.

AIS is a sophisticated, proven international maritime technology that supports efficient, real-time data exchange between multiple entities located on the sea and shore. Vessels of all sizes can be easily identified and tracked, whilst existing aids to navigation such as buoys and important maritime infrastructure can be electronically marked for the benefit of mariners and authorities.

What is an AIS Aton?
An AIS Aton is a special AIS transponder designed specifically for installation on Marine Aids to Navigation such as buoys, light beacons and other maritime infrastructure. They are a highly effective and cost-efficient method to enhance maritime domain awareness technologies.

A typical AIS Aton system
AIS Atoms can be fitted to any remote maritime structure and operate for years on solar power without maintenance.

Display Solutions
1 / GeoVs Viewer 2 / AIS Coast Station
GeoVs Viewer displays real-time AIS and other marine domain information in an easy to use, user-friendly format.

Hardware
1 / Carbon – Certified Type 1 & 3
The world’s most advanced AIS Aton. Fully certified, engineered and built for deployment in over the harshest marine environments. Carbon offers the highest level of performance and an innovative future-proof sensor interface system.

Dimensions
• IP: A (IP: A for favourites)

Power Consumption
• 12VDC

An domestic display (Type 1 Aton) running 3 minute position reporting interval.

Dimensions
• IP: A (IP: A for favourites)

Power Consumption
• 12VDC

A high performance dedicated AIS transceiver for shoreline reception and transmission of all AIS messages. Easy to install and configure.

About SRT Marine System Solutions
SRT Marine System Solutions is a specialist division within the SRT Group which provides customers with complete system solutions. With access to the complete technology and product portfolios of the SRT Group coupled with unmatched knowledge and experience, our ability to deliver innovative and customised solutions is unrivalled. Our expertise is in providing authorities with solutions to their maritime domain monitoring requirements. From creating a control system for the smallest waterway or port to a national scale system tracking all vessels within your EEZ, SRT Marine System Solutions can create a robust and fully interoperable system solution, delivered, installed, and maintained by one of our local partners.

SOLUTION
Enhancing maritime domain awareness and improving safety and traffic control

www.srt-marinesystems.com
AIS AtoN is the next generation of electronic navigation and operating enhancement for the management of both ports and waterways. It provides both the port controller and the vessel operator with a valuable stream of real-time information about the marine domain, presented on their display screens in easy to understand formats.

The AIS AtoN is typically installed on buoys and other navigation aids and integrated with existing systems and sensors at that location. It is designed to act as a hub for the data produced by all the other systems on location such as the lantern, weather sensors, tide, temperature etc. The AtoN transmits the data back to the central control room via the normal AIS system. This information allows the position of the buoy and the operational status of the lamp to be monitored in all conditions, along with a constant live stream of sensor data.

There are a wide range of features and functions offered by an AtoN all of which are designed to significantly enhance port and waterway safety and security. The AtoN is a powerful addition to any existing AIS system, providing a critical piece of the marine domain jigsaw.

Benefits of an AIS AtoN

- Improved maritime domain awareness.
- Accurate real time monitoring of buoy positions in all weathers.
- Dynamic marking of shipping lanes.
- Instant marking of new hazards with virtual AtoN projection feature.
- Automatic alerts in the event of buoy or lantern malfunction.

Key features of the SRT AtoN

1. QUALITY
All SRT AIS AtoN products are engineered to the highest professional quality standards. Toughened UV stable exterior shells protect the units from extreme cold and heat, whilst military specification connectors and dual iPx6 and iPx7 water proof certification ensures mission critical reliability in all marine environments.

2. PERFORMANCE
Inside all SRT AIS AtoN products is the state-of-the-art SRT AtoN module. Using the latest proven technology, this ensures best in class performance, maximising both range and feature set.

3. SENSOR INTEGRATION
Multiple external sensors can be efficiently integrated. Dedicated sensor interfaces, coupled with built in intelligence provide a future proof platform as you add more sensors.

4. CERTIFICATION
All SRT AIS AtoN products are internationally certified to the relevant IEC AIS AtoN specifications using government approved independent test laboratories.

5. POWER CONSUMPTION
SRT AIS AtoN products offer ‘best in class’ power consumption. This minimises the power required to install an AtoN, making it easier and less expensive.

Control your waterways and reduce your costs

AIS AtoN Digitises your marine domain by streaming real time live information on position, weather, lamp status and much more from buoys, docks and other locations back to your control room. This allows you to control your waterways and reduce your costs.

System Solutions

AIS Aids to Navigation

Maritime Domain Awareness Technologies