AIS Tracker

Ship tracking utilising Automatic Identification System technology

Overview

AIS provides an effective means of tracking ships at sea. The technology is based on VHF broadcasting and carriage is mandatory for the majority of SOLAS vessels greater than 300GT and fishing vessels of 18m and over.

Anatec Ltd has developed a suite of software tools to assist in the monitoring and tracking of ships. The basic AIS Tracker system allows live, local tracking of ships (overlaid on a marine chart and/or customized background) as well as automatic back up of the data for subsequent analysis and playback.

Building on this, AIS Viewer allows remote users, such as shore based personnel, to view vessels live from a single feed or multiple (integrated) feeds via a desktop application. The data can also be viewed online from any location via a secure website.

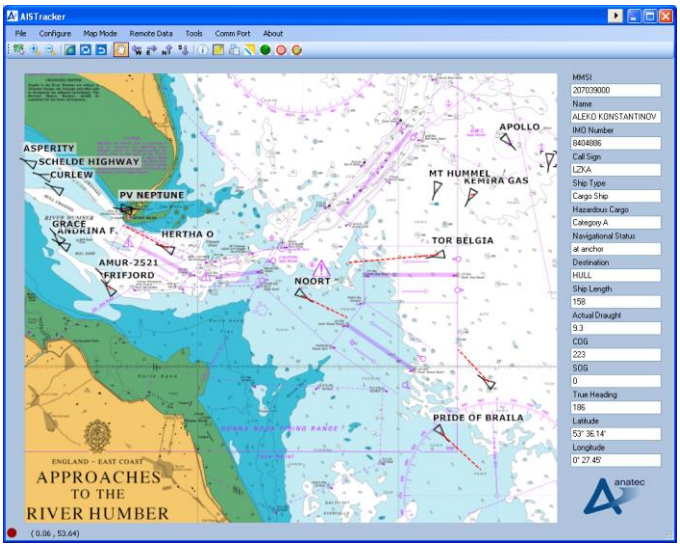
Data management

Anatec's AIS Tracker system is able to send AIS data from remote stations to a server, ensuring the information is available wherever it is needed.

This data is time-stamped and processed using Anatec's remote data processing and mapping server and allows clients to view their data live online.

An added advantage of the system's structure is that it enables Anatec to carry out remote data backup and archiving, thereby offering data redundancy to the client. Should there ever be the need, the client can access the raw data and replay it using AIS Tracker.

Data on each of the targets is obtained through a point and click interface.



Advanced features

AIS Tracker also offers the capability to play back and simulate data. This allows stored data to be replayed in real time or fast-forward (2x, 4x, 8x, etc.). This can be used for research, training and incident investigation

AIS typically offers a range of 30+ miles. Alarm Zones can be configured based on projected Closest Point of Approach (CPA) and Time to CPA criteria, to align with Collision Risk Management Planning, e.g., time required to evacuate.

AIS Tracker allows for infield vessel procedure compliance checking by monitoring vessels through different phases of operation, approach/departure, maneuvering inside the safety zone and working alongside the installation.

Sharing of data between Operators (with agreement) as well as from shore-based stations allows coverage of large areas and the monitoring of offshore infrastructure and activities.

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