

# Enriched AIS for ports and offshore installations

GeoSoft Solutions has added and updated modules available with its AIS (Automatic Identification System) viewer and analysis application, ChartViewAIS. The PC based application provides a live graphical display of AIS targets on to a spatial chart background, by simply interfacing with an AIS acquisition unit. The raw AIS message is decoded in real-time and position data geo-referenced and displayed live over a chosen chart background.

Developed as a Graphical User Interface for AIS data, ChartViewAIS provides a platform from which the rich data becomes much more useful, accessible, intuitive to use and attractive to potential users. Aimed specifically at ports and coastal authorities who wish to analyse AIS data, small to medium-sized ports with no VTS capability and operators of offshore installations with vessel monitoring requirements, the base package is available for clients to build upon.

ChartViewAIS now functions in both office and offshore modes that facilitate new Fleet Management and Project Vessel modules. Mail facilities built in to the fleet management module allow a vessel-based application to send vessel specific raw messages to an SMTP server at selected intervals. A stand alone routine on the server listens in and stores any new messages to an office database, which is then interrogated by an office based application for pseudo real time tracking. A manager in charge of a fleet of vessels or a single project vessel wanting an automatic update of activity is presented with a spatial and textual report on vessel progress on his PC in the office. The Data Replay module has been updated to include further query functionality for vessel traffic analysis and advanced statistical historical tracking facilities. The function to define a geo-fenced zone to initiate an alarm should a vessel leave or enter an identified area has been re-designed to make it easier to use. A new Port Users module has also been introduced, which uses the static CRP relative position data to display the size and shape of a vessel when the operator is zoomed in at a large scale, which is particularly useful for port operations and monitoring.

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