



# RADAR*pilot* 720° **VTS/AIS**

**RADAR*pilot*720° VTS/AIS** is a powerful and efficient visualisation tool for VTS systems. Key features of the system are the highly developed display of radar, AIS and chart data, the merging of data coming from different radar sources, the tracking function and the monitoring and editing of alarm areas.

**RADAR*pilot*720° VTS/AIS** is the user interface to present results and interact with other inVTS components. This state-of-the-art traffic surveillance system can be applied at inland waterways as well as at seaside.

It is possible to connect up to 4 sources of radar data, while data are provided by RADARserver respective RADARproxy. The radar images of overlapping areas are displayed with configurable transparency.

Furthermore, **RADAR*pilot*720° VTS/AIS** is a potent tool to process and indicate AIS data. Several thousands AIS tracks can be handled simultaneously. The system

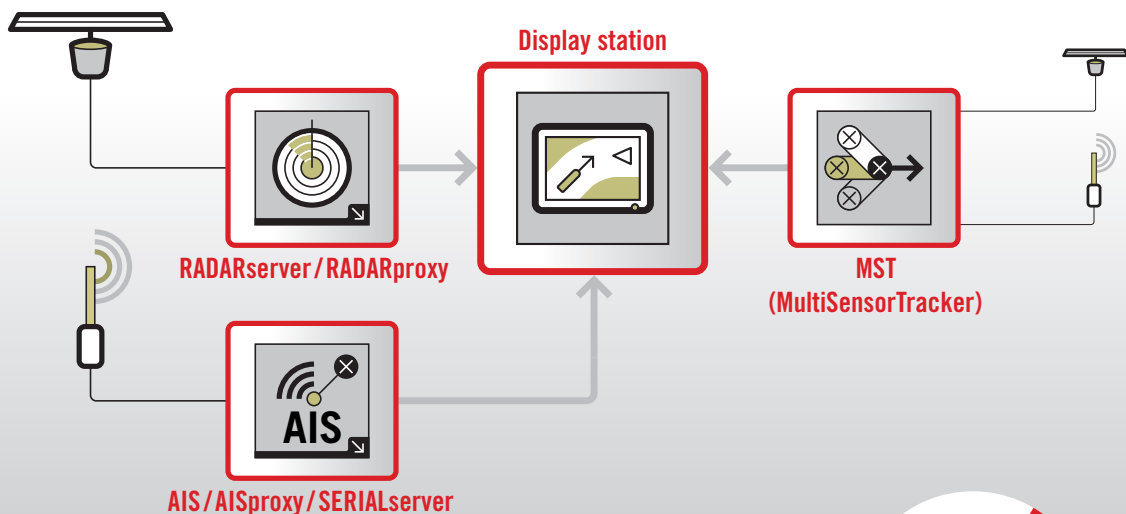
provides special windows to handle static/dynamic AIS data including sophisticated filtering functions.

Display options like centring a target in the display or tracking a target on the screen round up the AIS functionality. **RADAR*pilot*720° VTS/AIS** is compatible with both, the AIS standard for seagoing vessels and the Inland-AIS.

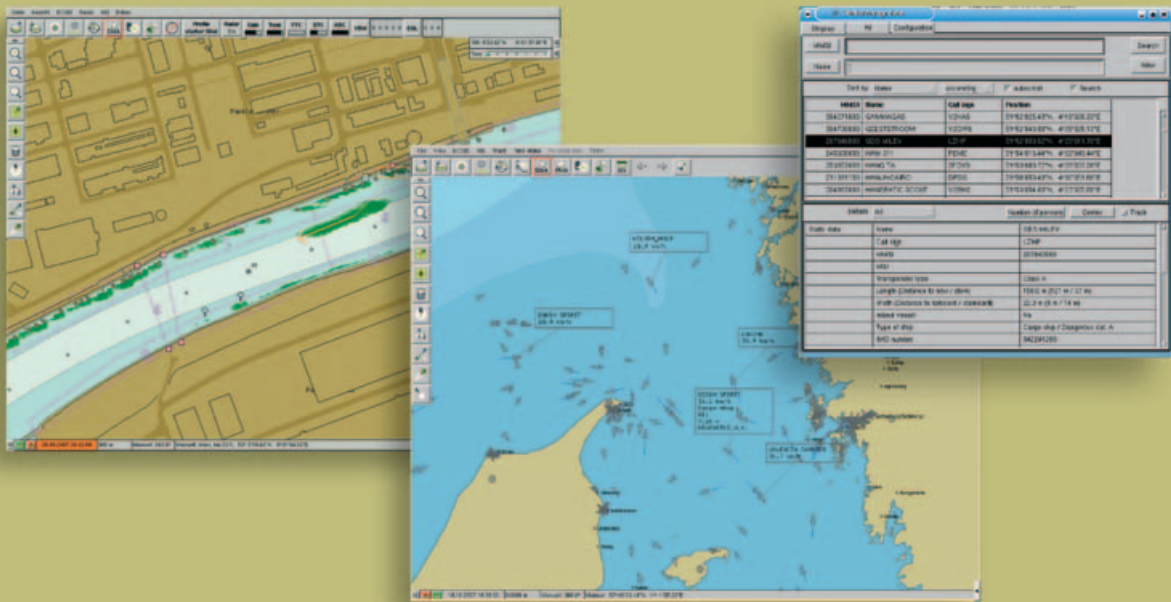
In case AIS together with radar data are available, the target tracking automatically fuses AIS and radar information guaranteeing unequivocal information display. The inVTS MultiSensorTracker uses the ASTERIX format, originally defined for air traffic control, as output format. In the same manner, systems of third parties may provide data of that format.

The user is able to draw or adapt alarm zones (areas of special interest) in the chart. An alert module observes those selected areas and generates visual, acoustical or external alarms, when an object enters or leaves that area.

Sample configuration of a traffic data visualisation system



## VTS information displays in a traffic centre



## Highlights

- Display of (Inland-) ECDIS chart
- Measurement units: meters or sea miles
- Radar echoes with 8 levels of intensity
- Display of radar video from up to 4 radar sources (RADARserver or RADARproxy)
- Geometrically configurable radar transparency
- Configurable Graphical User Interface
- Input of AIS data from serial line or network (AISproxy, SERIALserver)
- Graphical and textual presentation of AIS data
- Individually configurable labels for targets
- Automatic target tracking integrates radar and AIS
- Graphical definition and adaptation of alarm zones
- Automatic generation of alert signals for predefined events
- Input of targets in ASTERIX format possible
- Interfaces to North Sea AIS as well as hellcom server
- MS WindowsXP™ or Linux operating system
- SNMP interface for system monitoring



Further information about recent developments of innovative navigation systems can be found on the homepage: <http://www.innovative-navigation.de>

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