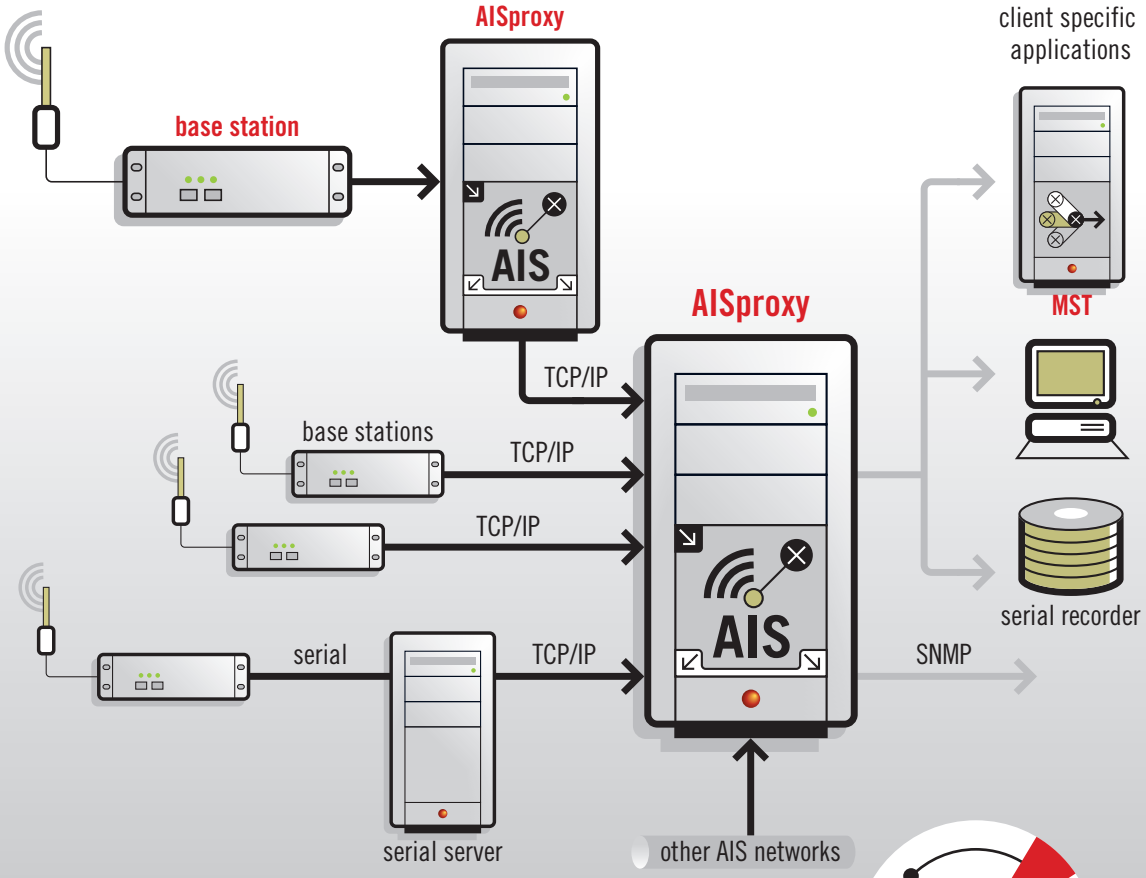
provides the AIS network

AISproxy

High-level vessel traffic surveillance is possible by acquisition and interpretation of AIS (Automatic Identification System) signals using a widely distributed network of AIS base stations. AIS transponders installed on vessels broadcast position data, static and voyage related information as well as safety related messages. AISproxy serves as a single point of access for a client to a network of AIS sources. These sources may either be AIS transponders with TCP/IP interface, another instance of AISproxy, or AIS networks with TCP/IP interface. AIS devices with serial interface (like AIS receivers) can be connected via a serial server.

Typical clients for AISproxy are AIS displays, MultiSensor-Tracker, serial recorder and/or AIS repeater. First of all, AISproxy detects doublets and filters the information, thus, any information received is transmitted exactly one time to the client, independent of the number of base stations forwarding the message. Specific filters like geographical filters, MID filters or message filters can be applied to each output port according to the specific interest of the client. Any desired number of clients may be connected to AISproxy and receive the information needed. A recording client can store all data together with time stamps.

Sample configuration of AIS network



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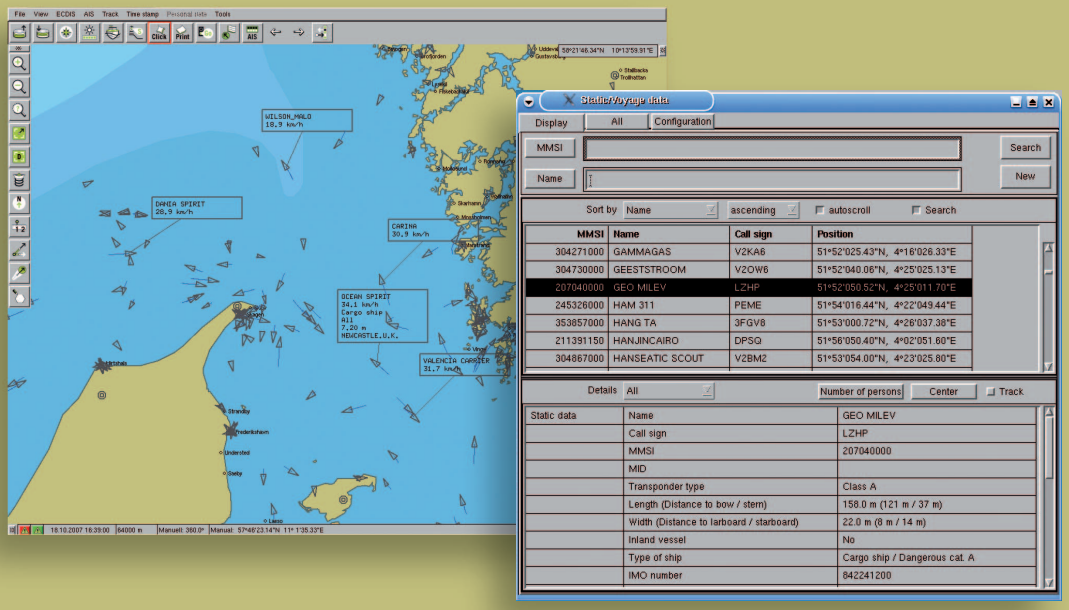
AIS information display in a traffic centre



Highlights

- *Interfacing to AIS base station by network interface*
- *Instant filtering of doublets*
- *Network client interface*
- *Output-multiplexing*
- *Filtering of data adaptable to any client specific needs*
- *Seamless integration with other components of in-innovative navigation GmbH (e.g. MultiSensorTracker)*
- *Immediate provision of traffic information to a new client*
- *Time stamped recording of AIS messages*
- *Replay of recordings to hard disk*
- *Remote administration via SNMP*
- *WindowsXP ™ or Linux operating system*

in innovative navigation GmbH

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

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