

C a s e

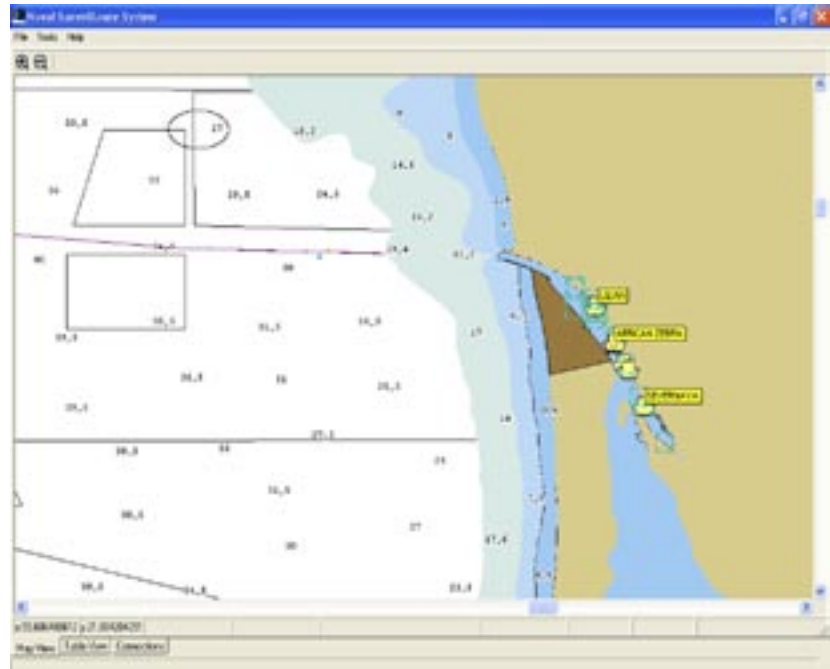
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NSS - Naval Surveillance System

Technical
development

EC
KONSULT

NSS, Naval Surveillance System, is a client/server-based naval location and monitoring system. Its purpose is to maintain, interpret, and display real-time vessel information. The system correlates spatial data retrieved from sensors such as radars and AIS transponders. NSS is built using transparent layers, which means that new sensor types can be incorporated with minimal effort. NSS currently supports the following protocols/providers: Terma Scantter Radar, ARPA over NMEA0183 and AIS over NMEA0183. The system is being built for the Lithuanian naval forces to monitor their coastline and territorial waters.



Map View.

Some key features:

- NSS is based on Microsoft .Net 2.0 and uses .Net's remote capabilities to enable flexibility and robustness in its client/server interface. Tatuk GIS is being used to implement the map view.
- NSS is expandable through a layered and modular architecture. This ensures a good platform for the incorporation of new and/or modified customer requirements into the system.
- Two displays are used to reflect the same real-time vessel information; a map and a table view.
- Uses the MIGRIS database to retrieve static vessel information.
- Detailed ship information presentation, i.e. image, draught, home port, ship dimensions, etc.
- The movements of each vessel for the past 24 hours are stored and can be individually displayed upon user request.
- Measurement vectors.



Detailed Vessel Information Dialog.

