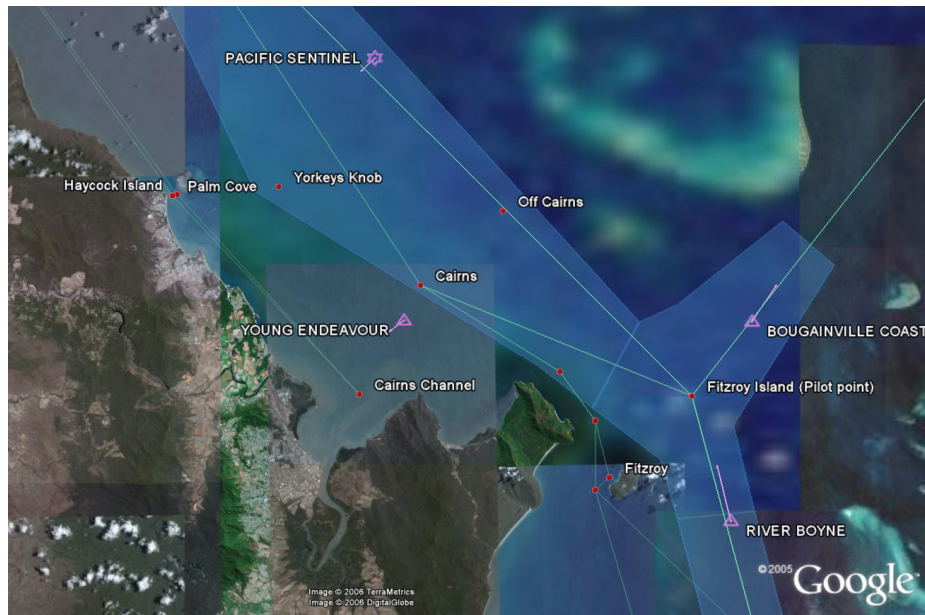


MARITIME SITUATIONAL AWARENESS



Vessel Monitoring with Corridors and Waypoints in Australia

PRODUCT DESCRIPTION

L-3 Nautronix develops sophisticated solutions for the Defence and marine environments. The company specialises in underwater detection, through-water communications, navigation, target and sensor monitoring and GIS.

EarthVTS (Vessel Tracking System) is a solution for vessel monitoring in both the near and offshore environments. The system provides situational awareness with real time tracking of targets and the display of target attributes. EarthVTS displays a three dimensional view of the spatial domain allowing users to display multiple layers of information in relation to the targets being tracked.

EarthVTS is suitable for Long Range Identification and Tracking (LRIT) and is ideal for applications such as Customs and Border Patrol, and Harbour Management.

KEY FEATURES

- Utilises Google Earth™, a Commercial Off The Shelf (COTS) interface
- Deployable on Windows PC based platforms with minimum training required
- 24/7 operation

- Web based with secure login and online support to customers
- Displays a variety of target types and related attribute information
- Displays multiple layers of information simultaneously i.e. maps, charts, weather, routes, waypoints and exclusion zones
- Easy, flexible establishment of virtual fences for notification of intrusion into security and/or sensitive zones
- Customised views of data served to clients
- User defined target refresh rate e.g. every 10 seconds
- Allows for operator alerts, action triggers and full logging
- Oracle™ Spatial database storage allowing retrieval and analysis of all past target information
- Monitoring of EarthVTS servers
- Redundant EarthVTS servers
- Open architecture allowing for future expansion



L-3 Nautronix

EarthVTS

MARITIME SITUATIONAL AWARENESS

L-3 NAUTRONIX VTS EXPERIENCE

L-3 Nautronix has more than ten years experience in the provision of vessel traffic monitoring services. These services include purpose built VTS systems such as ReefVTS provided for the Great Barrier Reef. Nationwide commercial vessel tracking services have been deployed in New Zealand for Kordia Maritime, scaling down to specific single user applications. Key clients include:

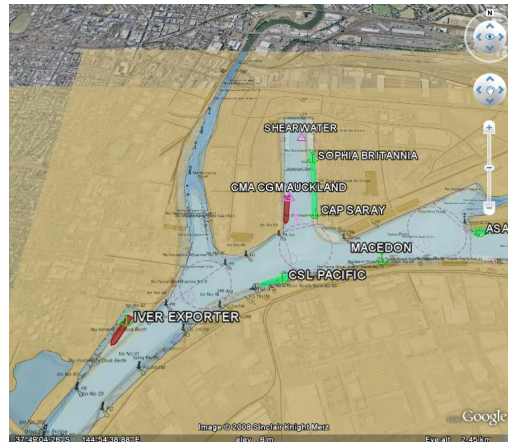
- Maritime Safety Queensland
- Kordia Limited
- Australian Maritime Safety Authority
- Port of Melbourne Corporation

L-3 Nautronix's experience in navigation software development, IT, communications and GIS translates into practical, cost effective and reliable end user solutions.

SENSORS

EarthVTS can display data from:

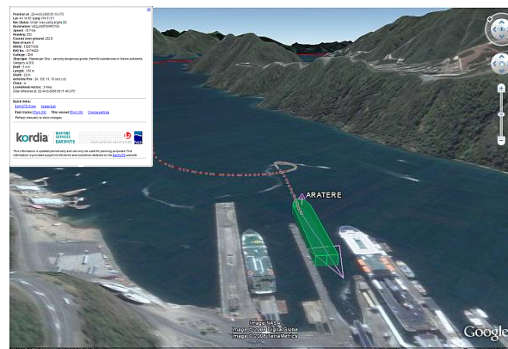
- Long and short range radar
- AIS
- Inmarsat C
- Visual fixes, and
- Any target location technology that can provide a geographic position fix at any interval



Earth VTS chart



Reef VTS



Port of Picton in NZ showing the vessel past-track with time stamped data points

L-3 Nautronix

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