

Modernization of traffic surveillance at Houtrib sluizes in Leylstad, Netherlands

Radio Holland installs products of in-innovative navigation GmbH for better traffic surveillance at the houtrib sluize.

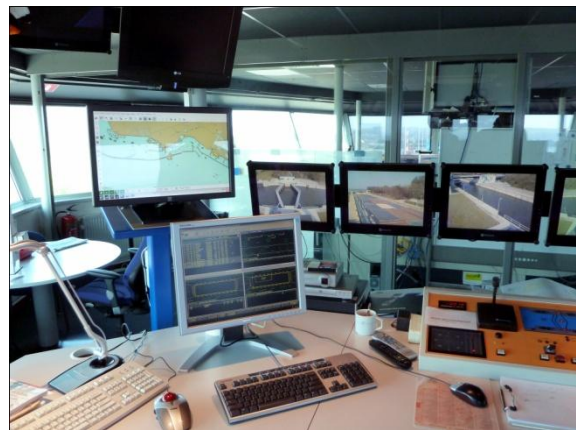


Houtrib sluizes comprises several locks in the Netherlands allowing vessel traffic between Amsterdam and Lemmer since 1975, while connecting Markermeer with IJsselmeer. About 30.000 cargo vessels and 50.000 recreational crafts per year pass the Houtrib sluize at Leylstad, making traffic coordination essential.

Within the frame of this modernization, the company Radio Holland recently installed a new state-of-the-art radar system to monitor the vessel traffic entering and leaving the area.

To fulfill this complex task, Radio Holland relied on the complete VTS solution *inVTSbox ng* (new generation) developed by in-innovative navigation GmbH. *inVTSbox ng* is an approved soft- and hardware package, providing all modules necessary for reliable data acquisition up to user friendly display of the traffic situation.

As sensor for traffic detection serves a radar antenna as it is used in inland navigation. The actual traffic image is presented to the operator in the lock control centre on a touch screen for straightforward operation of the system without mouse and keyboard.



Thereby, a two-in-one display provides the overview as well as a detailed view of the lock entrance area at one glance.

inVTS*box ng* automatically tracks the targets detected. Furthermore, the software functionality comprises the definition of alarm zones and warnings, enabling the operator to react immediately in a dangerous/hazardous situation.

A recording module (NAS – Network attached Storage) is included, to archive radar data collected over approximately one month. In case of a collision, such recordings provide court-presentable hints. Replay of recordings is easily possible at a work place for maintenance in the plant room.

In addition, the control centre in Leylsatd is strategically optimatically prepared for the use of AIS (Automatic Identification System) in Future. The components required to integrate AIS data into the display already exist, the system can be connected with the national AIS services.

Delivery, installation and configuration of the system were conducted by the experienced company Radio Holland.

about in-innovative navigation GmbH:

Following a modular conception, in-innovative navigation GmbH provides customized software solutions, which can be applied in all areas of navigation, telematics and traffic surveillance. in-innovative navigation GmbH is market-leading with software integrating all information from radar, GPS, AIS on an electronic ECDIS chart display. inDTS and RADARpilot720° are the powerful display applications from in-innovative navigation GmbH for traffic monitoring in use either in VTS centers and coastal surveillance systems or in integrated navigation systems.

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04.10.2011