

New traffic monitoring for the bascule bridge in Macharen, Netherlands

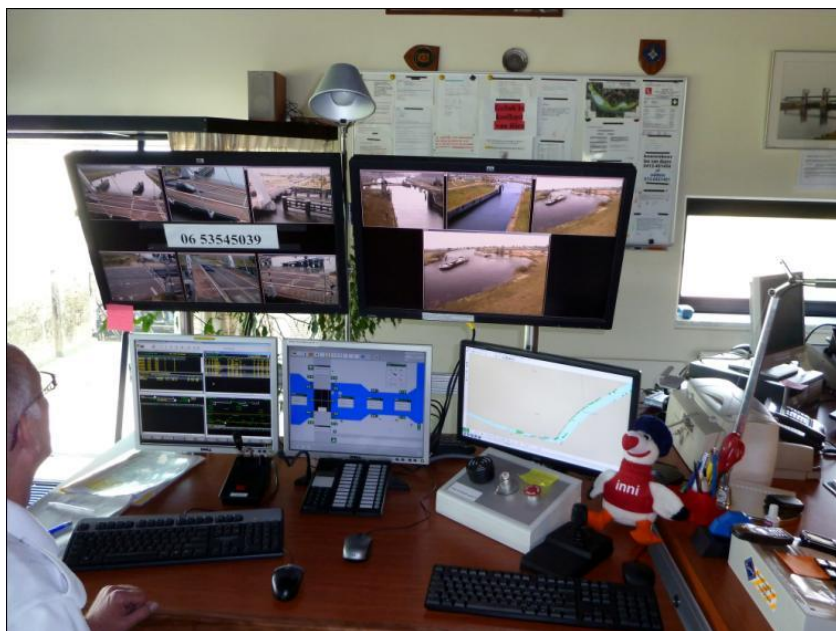
A new traffic detection system with two radars at the bascule bridge Macharen improves the remote control of the bridge.



At the bascule bridge in Macharen, in the Province of North Brabant in the Netherlands, recently a new radar system was installed to monitor vessel traffic on arrival and departure to this bridge. The system uses two radar antennae as sensors, which are set up on pylons on both sides of the bridge. The display and remote operation of radars takes place in a control center about 10 km away, located in the control center of the lock Lith on the Meuse.

The company Radio Holland was responsible for the installation of a suitable system to guarantee reliable traffic data collection, and they selected the traffic monitoring system *inVTSbox ng* of the company *in-innovative navigation GmbH*. This complete system is an advancement of the proven system *inVTSbox* that is already successful in use at several locks and along complex river sections. It processes data from radar sensors that are common for use in inland navigation.

The information of both radar scanners are combined on one display. The system is already prepared for the use of AIS (Automatic Identification System), when it will be connected to the



national AIS service in future. Delivery, installation and commissioning were carried out by Radio Holland.

With this system, a new generation (ng for New generation) of compact, preinstalled surveillance systems is in operation now for the first time.

It incorporates OpenGL graphic functions and,

thus, offers the operator a high-performance display system for radar and AIS. Afterglow of radar may be turned on and off at any time without delays. Stepless zooming and panning is also possible without any delay. Therefore, a very powerful and reactive tool for remotely controlled traffic monitoring is available there now to improve traffic flow..

about in-innovative navigation GmbH:

in-innovative navigation GmbH is a European leading company for the development of customized software and hardware solutions in all areas of navigation, telematics and traffic monitoring. Core competence lies in the combination of all sensor information from radar, GNSS, AIS and RFID with the ECDIS chart. inDTS, inWEBDTS and RADARpilot720 ° are display systems from in-innovative navigation GmbH for the highest standards in modern traffic monitoring and management on inland waterways and along the coast, and on board in integrated navigation systems. In the field of simulation, the inVNE is an advanced solution for the test of VTS / CSS systems and the training of operators.

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26.09.2011