

VTS-System in Maastricht successfully put in operation

05.12.2011 , Kornwestheim - on behalf of RADIO HOLLAND, in-innovative navigation GmbH provides hardware and software for monitoring vessel traffic on the river Meuse.



In Maastricht, a new traffic monitoring system was put into operation in 2011, which in-innovative navigation GmbH provided the essential supporting system components for. The quiet long river section on the Meuse that extends through the center of Maastricht will be monitored with the help of 4 radars. Proven internal radars of the company SWISS were used, which are particularly suitable for small-scale monitoring and easy to trigger with the help of the RADARcontrol unit of in-innovative navigation GmbH.

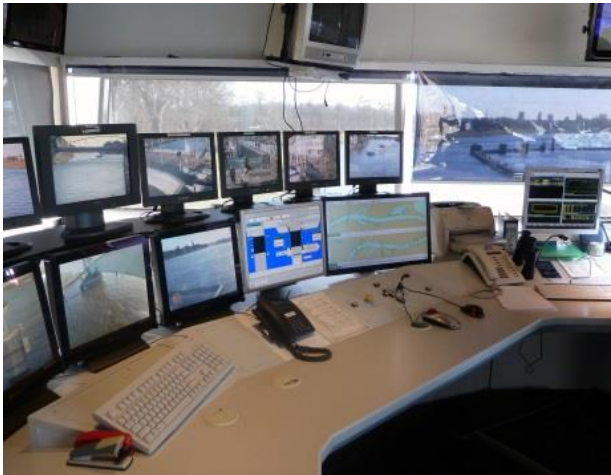
In the north of the section observed the Meuse forks and a lock leads on to the navigable Julianakanaal. At the other end of the section a bascule bridge requires special coordination of shipping and road transport.



New radar scanner at the River Meuse

Both locations are particularly narrow and, therefore, place high demands on the traffic detection.

The hardware and software of in-innovative navigation processes sensor information of the four radars with very high precision, integrates thoroughly the data and displays them in the traffic control center in Maastricht. In addition, AIS information is processed, too. The seamless integration of the four radar images on a display and storing all incoming information are made possible by the powerful components of in-innovative navigation.



Operator workstation in the traffic center

The traffic control center of the responsible Waterway and Shipping Authority, Rijkswaterstaat Limburg, is located about 500 meters from the gate without a direct view of both sides of the lock, which makes the radar-based traffic display become an essential tool for operators there, especially since video surveillance of the striking bottleneck might be also impaired by actual visibility due to time and weather. Thus, all information of the radar sensors, AIS data, as well as real time tracking

data is available and allow for traffic coordination at lock and on the bascule bridge.

A special service display in the utility room of the building allows performing maintenance tasks without affecting the operating service in the control center. In the traffic control center in Maastricht, the state-of-the-art display system *inDTS* of in-innovative navigation GmbH is now available for the operators. A peculiarity is that the entire long river section can be displayed completely with the aid of a split screen.

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 surveillance. 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, ranging from simple lock monitoring systems, via harbor VTS or surveillance systems for offshore installations up to nation-wide, complex coastal surveillance systems, as well as 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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