

Tracking Vessel Traffic

Need:

Hidrovia S.A. holds a concession for dredging and signaling the Parana River, and has the Automatic Identification System (AIS) for Navigational Aid installed on 16 beacons.

This consists of taking vessel information by means of a Tag located on the vessel itself and a wireless reader placed on the beacons, and then transmitting that information to the Company Head Office, by means of a UHF radio link.

The need of the company consisted of connecting the system to a LAN in order to have access to Internet and be able to enter the system from any broadband connection, in this case from Belgium, country where all vessel information is processed.



Solution:

The central UHF radio had a RS232 serial port through which information from the tags on the beacons could be obtained. In this manner and with the help of the Exemys SSE232-ST equipment, the information from the serial port is converted into TCP/IP data packets and sent by means of an Ethernet port connected to the company's LAN. The LAN has a link to Internet, and the information could be obtained from proprietary software, located in the computers at the AIS central system in Belgium.

This is a simple way for the system operators to use remotely and safely the information coming from the vessels.

Exemys product

