



## Ethercan for Container Port Crane Monitoring

Kvaser's latest case study outlines the use of the Ethercan Light HS, CAN to Ethernet gateway, for container port crane monitoring.

### Background

In today's shipping ports, state-of-the-art cranes are used for container tracking and movement. Because of the complex nature of the port and the time sensitivity of many shipments, efficiency is a necessity at all levels. Crane operators need a system in which crane health, such as tire pressure, fuel consumption and crane stability, can be reliably checked for quick repairs. The use of CAN for monitoring machine health brings this efficiency to modern crane maintenance.

### Problem

Datamatics Group, creators of the Neptuno TOS, a telemetry system that provides real-time data through CAN, propriety sensors, cameras and positioning information on port operations, reached out to Kvaser for suggestions on a reliable method of data transfer in these rugged, and sometimes, unpredictable conditions.

### Kvaser's Solution

The Ethercan Light HS. This CAN to Ethernet gateway combines the reliability of Ethernet data transmission, despite small connectivity losses due to dust and vibration, with the CAN communications protocol used by port cranes. This solution has allowed for real-time, reliable CAN communication between the cranes and the Neptuno TOS.



Read more about Kvaser's partnership with Data Job S.r.l. in supplying Datamatics Group with the solution to its port crane monitoring needs [here](#).