



The G-POS in a straddle carrier in the port of Liverpool

robust TT616i has been designed specifically for heavy-duty use in port and container terminals and selected the equipment based on a strong and longstanding relationship with Cargotec. The machines have already been put in service, and are used for transporting containers across the busy terminal.

OPCSA's terminal at Las Palmas is the sixth biggest terminal in Spain with cargo of over 715,000 TEU during 2011. It offers full service freight logistics with both lo/lo and ro/ro operations, providing a strategic link for traffic between Europe, Africa and South America, connecting directly with over 70 ports around the world. The majority of traffic is containerised goods, however, it does also handle general cargo. OPCSA boasts an extensive fleet of container handling equipment, including 19 existing Kalmar rubber-tyred gantry cranes.

The Kalmar TT616i model has a pulling capacity at 95 tonnes and a lifting capacity of up to 36 tonnes. It has been designed to meet the needs of modern terminals, combining excellent manoeuvrability with the highest operational efficiency. Fuel economy is impressive due to a high torque-to-rpm-ratio, optimised axle ratios and the Kalmar EcoDrive system.

The TT616i is equipped with the latest CAN-BUS interface technology which saves time, enhances performance and reduces costs through the complete integration of the engine, transmission and the rest of the machine. In addition to EcoDrive as standard the tractor also has the option of Silent Drive to further reduce noise and emissions and minimise impact on the environment.

## Mersey Docks and Harbour Company installs G-POS

International Terminal Solutions Limited (ITS) is pleased to announce that the Mersey Docks and Harbour Company (MDHC) has extended the use of G-POS to include five recently acquired new Straddle Carriers operating at the Royal Seaforth Container Terminal, Liverpool.

ITS closely co-operated with the Straddle Carrier manufacturer, Terex – Noell Mobile Systems, to ensure that G-POS would be delivered at the same time as the Straddle Carriers, ensuring a smooth and swift transition from site erection to operation.

G-POS is a Real Time Location System (RTLS) incorporating GPS technology. It is embedded unobtrusively into the container terminals container handling equipment and automatically keeps track of every piece of mobile equipment on site. G-POS automatically monitors

the storage and retrieval locations for every container handled on the terminal.

The MDHC implementation is based on the modular G-POS package including automated 'Job Steps' requiring no operator input, integrated colour touch screens showing real time location, container move instruction and its target destination in either text or graphical formats. Other modules include a security and access control system to prevent Straddle Carrier unauthorised use, and the E-SMART equipment status visualisation package.

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