



Port Equipment

ITS upgrades Eco diesel RTGs

ITS (International Terminal Solutions) have completed the upgrade of 20 new RTG cranes. The cranes already fitted with eco diesel generators have been further upgraded with the addition of ITS GPS and container move identification. With these systems installed greater operational efficiency and productivity is gained by the ability to monitor the operation in virtual real-time and using the automation to reduce the mishandles and number of re-handled containers.

The system installed includes the ITS radio data network to provide the yard operators with an instant, automated and uninterrupted link to the management systems. This in turn is linked to the main ITS PDS (Position Determination System) using satellite technology for GPS CHE tracking and container move identification. This allows the most efficient targeting of work instructions and automated confirmation of grounding positions. A key feature connected directly to the PDS is the ATI (Automated Truck Identification) module. This system module provides automatic identification of the IMV,

containers carried and grounding locations required. This allows a touch screen/keyboard free system where the actual move for the IMV is automatically displayed leaving no scope for incorrect manual identification. The system also includes Twist-interlock. This module provides monitoring of moves and blocking of any move carried out incorrectly. This can either be the wrong container being lifted or a container being placed in the wrong location.

ITS have also installed their equipment/operator security system. Machine readable ID cards authorise operators to use equipment and access data. The RTG is prevented from operating without the correct driver for that shift. In addition the Equipment maintenance logger provides a data link from the RTG to the terminals ERP system to automatically generate work orders for maintenance. This also provides an automated overview of the operational status of the equipment in real-time for the operations management.