



Hiab's new nDurance treatment process

A test of nDurance

Loader crane manufacturer Hiab has introduced a new anti-corrosion treatment process called nDurance. The pre-treatment and paint process is said to be environmentally friendly and is based on nanotechnology and e-coating. The full treatment offers a three-layer protection against corrosion and harsh working environments.

The first step involves applying an anti-corrosion layer with the use of a dip tank to create an ultra-thin, chrome-free, nano-ceramic protective coating. This is followed by a lacquer polymer coating, leaving no drips or sag marks which, the company claims, increases film-thickness on edges by up to 100 percent compared to standard e-coating systems. Finally, the whole is covered with a powder coating and oven baked until hard.

The company says the process is 100 percent phosphate-free, does not use any heavy metals, while leaving virtually no waste - resulting in savings on energy and water.

Ruppel hydraulics

Ruppel Hydraulik's has developed a hydraulic sway control system for harbour container cranes. The retrofitable system uses four lifting cables guyed diagonally to the direction of sway. A cylinder, measuring 1.9 metres in length, is used to tension the anti-sway cables as well as perform the duties of and actuator. The system is fitted with electronic control which allows for more



Ruppel's sway control system allows the crane to work faster

accurate, proportional adjustment and monitoring of the system pressure.

Weighing scales

US weighing device manufacturer Alliance Scales has introduced a light-weight range of battery powered load indicators.

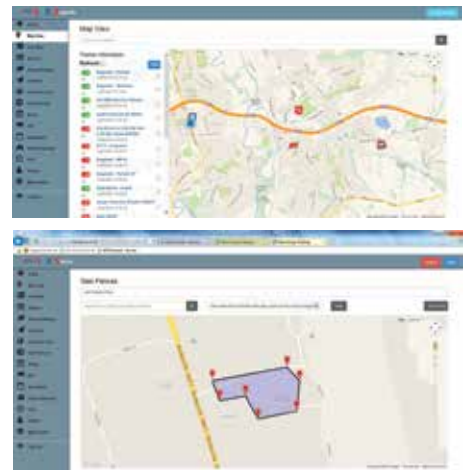
The portable IE range comprises five models with capacities between 1kg and 500kgs and features a wireless remote control and a 1.1 inch LCD or LED readout display. The indicators have a battery life of up to 50 hours and a range of approximately 10 metres. The devices are encased in a heavy duty aluminium die cast casing and feature a robust hook and shackle to allow it to fit between the crane hook and the load.



The IE range has measuring capacities between one and 500kgs

Finding Nexis

UK tracking and fleet management software provider AMI has launched its latest online software which utilises GPS tracking for a variety of applications. AMI Nexis uses the latest GPS and RF tracking systems to provide real-time monitoring of fleet movements.



AMI's web-based software provides real-time monitoring of fleet movements.

It has a user-friendly layout and includes maps, trackers, alerts, reminders and a list of drivers as well as a summary of all proceedings. A 'route optimiser' function can also be used to work out the quickest or shortest route for drivers, while its geo-fencing function can ensure the security of equipment. The software can be accessed from anywhere via an internet connection and is suitable for smartphones, tablets, laptops and computers.



Brentwood's HF1000 crane radio system

Good crane communications

Brentwood Communications has produced a range of radio systems for use with heavy equipment. Its new digital HF1000 crane radio has been designed to provide operators with hands-free communication with slingers and banksmen while retaining full control of the crane.

The wireless system consists of a transmitter, foot pedal and microphone, which can be installed in the crane cab. It takes just under two hours to install and can be reinstalled on another crane if necessary.

The company has also developed its BR3300 radio intercom system, allowing for cab to cab communication. Designed to replace expensive hardwired systems, the BR3300 requires no training and is fully waterproof, allowing for both indoor and outdoor use. The company claims coverage can be achieved over wide areas and even in difficult to reach places where mobile phones do not work. Mains powered, the system also comes with a back-up battery system.

Finally, its emergency freeze system, connected to either a radio or situated in a control room/monitoring station, can be used to send an alert to all or specific systems onsite. Once activated a loud audible and visual warning is triggered, warning operators to cease work immediately. The system can be configured to work in conjunction with existing radio equipment, or it can be supplied as a standalone product. Applications might include a wind warning for example to warn high reach equipment operators that wind speeds have exceeded safe levels.

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