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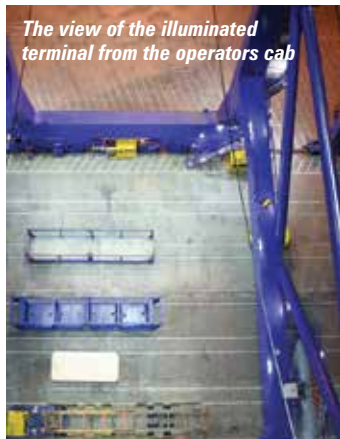
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LED crane lighting cuts costs and improves safety



The view of the illuminated terminal from the operators cab

Spanish stevedoring company TCV claims to own the world's first ship-to-shore crane entirely lit by LED technology. Manufactured by Ingeniería de Aplicaciones Energéticas (EADAE), the High Flux LED floodlights, which have a power rating of 400 watts or less, replacing the crane's original 1,000 watt high pressure sodium vapour lamps.

As well as providing the same lighting levels and improving light uniformity, EADAE's LED floodlight package achieves energy savings of 66 percent and provide annual savings of 94

tonnes in CO2 emissions.

The Super Post Panamax crane has also been fitted with 10 and 22 watt LED tubes with vibration damping technology in transit areas and technical rooms to reduce the costs of bulbs prematurely failing due to the vibrations of the crane when it is moving.

The company said: "Changing from yellow to white light leads to increases in both safety and productivity in operations as it improves the perception of distance and therefore the speed of approach to the loading and unloading area. Investment in this technology makes it possible to incorporate and integrate flow management devices and adapt artificial light according to need at sunset and dawn, maintaining constant light levels and enabling improved savings ratios."



The ship-to-shore crane lit by EADAE's LED lights

Miniature control wheel

Switch and joystick manufacturer APEM has launched a CW Series Hall-effect control wheel, designed for integration into joysticks, control grips, armrests and control panels.

The spring-loaded proportional control wheel is self-centring and provides a reliable and accurate linear output through 90 degrees of mechanical travel. Featuring snap-in mounting tabs for easy installation, the device's above panel measurements are 25mm x 13mm x 9mm and just 18mm below panel. Operating with a 5Vdc power supply and an over-voltage protection up to 20Vdc, it is connected via a three pin Samtec 0.100" pitch male connector. Available in a range of wheel colours and four linear output options the device will operate in temperatures ranging from -40 to +85 degrees centigrade. Future options will include frictional centring and LED backlighting.



APEM's control wheel installed in a joystick



C&A

innovations

Non-Conductive Tagline

UK-based Tagattach has introduced a non-conductive tagline to its range of inertia reel tag line products. Developed in a joint venture with Ohio-based Insulatus, the Guardian-Line tagline protects riggers from possible electrocution in the event the crane or load line comes into contact with an overhead power line.

Available in a variety of lengths ranging from three to 15 metres, the retractable tagline system - which functions much like a recoil dog lead - offers riggers a 25kV protection and fully complies with OSHA's requirements when working close to power lines.

The company said the device's retractable and static function keeps the tagline length to a minimum, protecting riggers from the conventional hazards of using rope in lifting operations which include tangling, fraying, whiplash as well as potential trip hazards. Additional features include brightly coloured protective canvas sleeves and large quick-release hooks.



The non-conductive Guardian-Line tagline

Force Logic load indicators

UK load cell and force measurement system manufacturer Force Logic has introduced a new Load-Master range of wireless load indications.

With long battery life and a range of over 100 metres, the radio transmitting LM load cells and SLP load shackles are able to provide virtually any tension and load measurements when used in conjunction with a series of wireless output devices. Information is either transmitted wirelessly to the company's standard portable handset, which can now be built up to include larger displays and ticket printers, or sent directly to a computer to be processed using indicating and data logging software.

Force Logic managing director Tom Williams said: "The new range of instruments enables added functionality at any time without needing to re-engineer the complete system. They simplify the use of load indicating systems in lifting, handling and moving operations."

Force Logic's Load Master



enquiries

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