



ZT Systems' new integrated harness for the fire services

## ZT fire-fighter harness

UK harness manufacturer ZT Safety Systems has teamed up with Bristol Uniforms to launch a new integrated harness for the fire services.

Sewn into a specially adapted fire brigade trouser, the ZT harness works in the same way as the original 'Zero Trauma' harness by transferring

forces to the lower leg in the event of a fall, preventing injuries to the spine and groin area. The individual is also left in a seated position, eliminating the possibility of suspension trauma. Being integrated into the trousers also saves valuable time finding and donning a harness.

Further benefits include reduced loading on the harness anchorage point, which is highly beneficial with turntable ladders as falling in a conventional harness can cause an overload situation. Combined with a specially adapted jacket and fire retardant webbing the ZT harness also conforms to EN361 and AS/NZS 1891.1.

## Crane inspection app

Technology solutions provider Techs4Biz has developed its Paperless Crane Inspection software for smartphones and tablets.

Suitable for all crane types, the software allows inspectors and field technicians to scan barcodes/read RFID or enter ID of the crane, enter data using pick lists or speech to text technology, take photos of the crane and capture an electronic signature on mobile devices. They are also able to access manuals, previous inspections and the crane's history, access relevant standards and provide a list of all the parts required or used. Finally, reports and images can be sent back to the system in real time with additional reports automatically generated for clients on the spot.



The paperless crane inspection software has been specifically configured for the inspection and service of any type of crane.

## Thermal imaging system

Vehicle safety system manufacturer Brigade Electronics has developed a thermal camera system PathFindIR which allows operators to see pedestrians or animals up to 125 metres away.

The infrared camera is able to detect heat signatures, and visually displays the highlighted images via an in-cab monitor. The technology is also able to detect heat through smoke, dust and fog as well as in the dark. Easy to install, the system works using a standard video output and can also be linked to reversing and side view camera systems.



PathFindIR produces clear images in total darkness, smoke, rain and fog.

## Elebia upgrades hook range

Spanish manufacturer Elebia has upgraded its range of automatic crane hooks. The system, which is equipped with a magnet that both attracts and positions slings and other rigging gear, now features an integrated load cell and a new eMax remote control system. The eMax allows operators to open and close the hook as well as providing overload, unbalance, temperature and service warnings, all of which are recorded and sent to a spreadsheet via a USB port.

The company said the decision to develop the range was instigated by end users increasingly using multiple units to lift heavy or long loads or by employing hooks in demanding applications. As a result, greater information about the load and advanced systems with which to operate and monitor the activities were required. The company also said it is working on a 100 tonne hook, while ATEX and IECEx versions are currently awaiting certification.



Elebia's latest hooks now feature integrated load cells and the new eMax control system.

## Tension measuring device

Force measurement, load monitoring and suspended load cell manufacturer Straightpoint has launched Running Line Dynamometer (TIMH) for measuring cable/line tension.

Part of the tension in motion range, the new device is constructed from marine grade stainless steel and is able to determine the weight of a load or the force on wire rope configurations up to 80 tonnes. It can be used when there is no anchor or dead end on the line, for example, when there is a requirement to measure a force at a specific point on a longer line.

Additional options include calculating the lineout and displaying line speed. It is also available as either a wireless or cabled system, utilising the HHP range of handheld displays or SW-MWLC software.



Constructed from stainless steel the TIMH is suitable for wire rope configurations up to 80 tonne.

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