

The UK is bereft of dedicated mobile plant show in 2011 with the first Plantworx show not until 2013, where do mobile plant operators go to see what is new in the world of mobile plant technology. A good starting point may be the CETA Demonstration Days which will be held at Uttoxeter Race Course on the 15th/16th June

CETA (the Construction Equipment Technology Alliance) is a new organisation and has been formed by Halomec, MOBA Mobile Automation Ltd, GKD Technik and OnGrade Ltd to promote the use of technology on mobile plant.

The CETA demonstration days will consist of live demonstrations of a variety of systems from all four member companies on a large variety of plant types with one common goal they all improve the productivity, or safety, or both, of the equipment on which they are installed

So what can visitors expect to see at the demonstration days?

Some of the products demonstrated are well established technologies, like GKD's 2RCI and 3RCI market leading safe load indicators; Halomec's auto lube systems by Lincoln; DigPilot, OnGrade's portable machine control system for excavators; and the MOBA-Matic automatic levelling systems

As well as these established products there will be some exciting new products to be seen. This is a small taste of what's on show includes:

TipSafe (GKD Technik)

Ideally suited to small utility plant and self drive hire machines the TipSafe is an inclinometer based system that offers a warning when an excavator or piece of machinery goes beyond its approved working incline envelope.

The system operates using an accelerometer based angle sensor that relays the incline of the machine to an in cab display. Within 5% of the maximum permitted incline a visual warning is given to the operator and upon reaching the maximum permitted safe incline an alarm is sounded and the event is data logged.

With the GKD TipSafe you can be assured your assets are working within their defined and safe parameters, this can reduce the possibility of accidents.

X Weigh (Halomec)

The ability to weigh material at the point of extraction has been a requirement across several industry sectors for many years but excavator weighing has remained one of the final challenges for manufacturers of onboard weighing technology that was until now!

Halomec Ltd will showcase the unparalleled Loadrite® X-Weigh™ on-board excavator scale. X-Weigh gives true dynamic weighing during the digging and loading operation, without compromising the speed of dig. For the first time,

operators can accurately load trucks without the need for on-board weighing on the receiving truck or a weighbridge close by. More on the X-Weigh can be found

X-Weigh can be linked with other Loadrite weighing systems to form part of a total productivity solution, for example in an aggregate extraction operation. To view a presentation on Loadrite's Whole Site Solution as applied to a quarrying application visit www.wholesitesolution.com

MCA-1000 Compaction Assistant (MOBA)

The CETA Demonstration Days will see the first ever public demonstration of the new, easy to use, operator focussed, MOBA on-board pass count/monitoring system.

Improperly compacted surfaces are one of the leading causes for poor quality and premature failure of asphalt surfaces. You can avoid this by accurately monitoring the compaction of the material and with the MOBA Material Compaction Assistant (MCA) road building contractors can accomplish this task with ease and speed.

Helping the Operator

The MCA supports the roller operator by recording and displaying the number of roller passes during the whole project. The screen shows the required pass patterns and then the actual coverage of same. When the operator stops the roller, the system stores that position accurately, and when the rolling process is resumed the record starts again from the exact stopping point.

The result: The complete area is uniformly compacted based on the optimal rolling pattern coverage. Additional details available at <http://www.moba.de/en/applications/construction-machines/roller.html>

ZoneSafe (OnGrade)

Another first at the CETA days will be a demonstration of ZoneSafe distributed by OnGrade

The risk of personnel – vehicle incidents (PVIs) remains a major concern for all companies operating mobile plant. Despite the successful introduction of technology and better working practices accidents can still occur. A new product called aims to provide companies with a new tool reducing the risk of PVIs even further. Distributed by OnGrade Ltd the Dorset based distributor of mobile plant instrumentation and developed by Avonwood Developments, specialists in RFID technology.

ZoneSafe is a proximity warning system which warns a machine operator when someone has breached a predetermined (invisible) detection zone around a vehicle.

You can find out more about the ZoneSafe Proximity Warning System and other OnGrade products at www.ongrade.com

Don't miss your chance to see what's new in mobile plant technology
www.cetauk.org