



STW's Mobiltron Focuses on Mobile Machinery

STW, a premier manufacturer of mobile controllers and measurement technology, recently concluded 'Mobiltron', an event for engineers working with mobile machinery, which included speakers from companies such as Bomag, Motec and STW.

NORCROSS, Ga. - Nov. 6, 2013 - [PRLog](#) -- STW Technic, a premier manufacturer of mobile controllers and measurement technology, recently concluded their annual Mobiltron event for engineers working with mobile machinery.

The Mobiltron seminar 2013 had the slogan of “The intelligent mobile working machine”, and took place in Mannheim, Germany. The event drew about 70 engineers and speakers from companies such as Bomag, Motec and STW.

At the event, STW presented its new ESX-TC3G host controller with gateway functionality, featuring 3G (five bands) and 2G (four bands) wireless communication. There are also other wireless interfaces such as WLAN and Bluetooth, and also a CDMA option for cellular. The GPS receiver has added the GLONASS system for optimized accuracy and acquisition time. The controller also provides two CAN, one Ethernet, and one USB interfaces. Equipped with a 400-MHz micro-controller, an 128-KiB SRAM, and an 1-GiB flash memory, the control unit is suitable even for sophisticated control and gateway functions. For example, it can be used for agriculture machines, snow plowing vehicles, and other mobile machinery. The host controller runs a Linux operating system. The board support package includes a CAN recorder and virtual CAN network software. The supplier also offers libraries for CANopen and J1939, to facilitate communication with other devices via the CAN interfaces. The device comes in a white IP67-rated housing, which reflects the sunlight. More information on STW's telematics controllers can be found at <http://www.stw-technic.com/products/teleservice/>

During the two-day seminar several speakers from the industry covered a broad range of topics, from safety standards via human machine interfaces to applications. Bomag (Germany) presented its BMP 8500 trench compactor featuring safety functionality. The CAN in-vehicle network implements CANopen Safety. The trench compactor can be operated from a hand-held panel connected via CAN or wireless technologies. More than 2000 of them have been sold already. A paper from Motec discussed the future of camera applications. The Motec solution provides Ethernet connectivity in addition to CAN, in order to communicate with in-vehicle networks.

STW (www.stw-technic.com) is an award-winning provider of a full spectrum of freely programmable controllers, I/O modules, pressure sensors and telematics to a wide range of industries such as mining, construction, agriculture and oil and gas. STW controllers, I/O modules and Telematics units have attained a leading role in these industries due to their rigorous testing, high quality German engineering and unmatched flexibility. All of STW's products are mobile off-highway rated. STW (www.stw-technic.com) is also in the forefront of developing and prototyping hybrid drive technologies – generators and motors – for mobile applications.

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