

**Manitowoc Cranes**

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## News Release

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### **Manitowoc to launch new Grove rough-terrain crane at CONEXPO 2014**

Grove will launch the RT540 rough-terrain crane at CONEXPO 2014. The 35 t (40 USt) capacity crane is an upgrade of the popular RT540E model and features a new cab, a new control system and an improved swing system. The crane is designed to give rental companies and contractors a versatile tool that is quick to set-up and easy to use.

The Grove RT540 is the third crane to feature Manitowoc's new Crane Control System (CCS), a standardized operator interface that will eventually be rolled out on all new Manitowoc, Potain, National Crane, Shuttlelift and Grove cranes.

CCS is one of the most user-friendly control systems on the market, as Mike Herbert, director of product planning and marketing for Manitowoc Cranes in North America, explains:

"The intuitive and easy-to-use system reduces the need to train people on every crane we produce, so contractors and operators can move between crane models with ease," he says. "The system makes life so much easier on the job site, and the RT540 will suit a huge variety of jobs and complete work faster. We are very proud of the new crane and look forward to showing visitors at CONEXPO what it can do."

The RT540's new CCS, cab and swing system are all products of Manitowoc's centers of excellence, which combine the efforts of its engineering teams from all Manitowoc brands to create the most advanced yet easy-to-use cranes. As well as the new cab and controls, a new seat has also been added to improve operator comfort.

Productivity on site is also improved with the new swing system which uses improvements in the crane's hydraulics and electronics to offer closer control and a better feel for the operator. The swing system works in conjunction with CCS to provide class-leading slewing operations for RT cranes in this capacity class.

With a shorter lag time between joystick movements and the crane's slewing motion, operators can get better control over their lifts, while counterslewing (or backplugging) is also much improved, leading to smoother and faster deceleration. Duty cycle applications, such as placing barriers on highway jobs,

should become much easier. Meanwhile control on lifts at the top end of the crane's capabilities (for example when working with a longer boom at higher radii) is better thanks to the joystick's controls being tied to the crane engine's RPM. While the engine RPM is low, the operator still has proportional control through the full range of the joystick's movement. What's more, this capability is automatically configured into the crane, so it is accessible to the operator without the need for changes to settings inside the operating display.

The Grove RT540 has a 31 m (102 ft) four-section, full-power boom, with a maximum tip height of 47 m (154 ft). The rectangular boom shape reduces overall weight while maximizing capacity.

The RT540 combines all of the industry-leading capabilities that Grove rough-terrain cranes are famous for, including an extremely rugged design with deep box section frames, four-steering modes and excellent pick-and-carry capabilities.

Grove's GMK3060 all-terrain crane and RT550E rough-terrain crane are the other two cranes to feature Manitowoc's CCS. Both have been well received in Europe since their launch at bauma 2013 in Germany earlier this year. The cranes have been especially praised for their fast set-up and ease of use.

"The new cranes are a welcome addition to rental fleets in Europe and contractors appreciate the hassle-free operation these cranes give the operators," adds Herbert.

The CCS hardware is a standardized set of displays, joysticks, control units and a jog dial. The use of standard parts will make maintenance easier and improve fleet management for Manitowoc customers. Software is also standardized across Manitowoc product lines and the system is directly attuned to Manitowoc Crane Care service software.

***About The Manitowoc Company, Inc.***

*Founded in 1902, The Manitowoc Company, Inc. is a multi-industry, capital goods manufacturer with over 115 manufacturing, distribution, and service facilities in 26 countries. The company is recognized globally as one of the premier innovators and providers of crawler cranes, tower cranes, and mobile cranes for the heavy construction industry, which are complemented by a slate of industry-leading product support services. In addition, Manitowoc is one of the world's leading innovators and manufacturers of commercial foodservice equipment, which includes 24 market-leading brands of hot- and cold-focused equipment. In 2012, Manitowoc's revenues totaled \$3.9 billion, with more than half of these revenues generated outside of the United States.*

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