

## Magellan® Professional and Carlson Software Team for Machine Control Solutions

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From left to right: Robert Snow, Magellan Professional, and Randy Noland, Carlson Software, celebrating the new agreement in Phoenix, Arizona, during the NUCA tradeshow.

Magellan Professional and Carlson Software announced early March that they have teamed to pursue Machine Guidance and Control opportunities using Magellan GNSS receivers and Carlson software.

Carlson Grade Supervisor software will be integrated with the Magellan ProMark™ 500 dual-frequency GNSS receiver; and Carlson Grade software will be integrated with Magellan's ProFlex™ 500 dual-frequency GNSS receiver, MB™ 500 dual-frequency GPS+GLONASS™ board, and DG14™ RTK single-frequency board.

Other combinations with future products are also under consideration. Installation of Magellan/Carlson machine control solutions will be done by independent Business Partners working with the Magellan/Carlson Machine Control Team.

"Magellan and Carlson have been working closely together since 2001 when Carlson first began providing FAST Survey software for Magellan's GNSS survey receivers," said Robert Snow, director of product marketing for Magellan. "This agreement means that customers will have a new choice in the fast-growing world of machine guidance and machine control. Carlson's 12 years of experience in the machine control arena and Magellan's 20 years of experience in the GNSS receiver business means that customers will get a solid solution for their applications."

Randy Noland, VP Marketing & Business Development at Carlson Software said his company "appreciates the quality and innovation offered by the Magellan hardware. Magellan has proven to be an outstanding partner in data collection, and we are pleased to extend our relationship to machine control." Magellan's innovative GNSS receivers with BLADE technology work with any GNSS reference stations without degradation, which can lower costs and improve performance for contractors.

### Magellan Solutions for Machine Control and Guidance

Magellan offers four solutions for the machine control and guidance markets. Each features Magellan's BLADE™ Technology ensuring powerful RTK performance and a patented method to use multiple GNSS constellations for high-accuracy positioning and surveying solutions.

- » The ProMark 500 dual-frequency GNSS survey receiver in a smart antenna form factor.
- » The new ProFlex 500 integrated dual-frequency GNSS receiver is a powerful positioning solution that delivers state-of-the-art RTK features in a rugged, highly integrated receiver design, ready for system integration.
- » The MB 500 dual-frequency GPS+GLONASS board is a dual-frequency OEM board that provides solutions based



Magellan Professional ProFlex 500

on GPS, GLONASS and SBAS satellites. The MB 500 features low power consumption in a compact board design, and a variety of output messages and data formats for extensive OEM solution interoperability.

- » The DG14 RTK single-frequency GPS board is an entry-level solution for machines that have a continuous clear view of the sky. It provides good value cm-level positioning under open-sky conditions and reliable dm-level positioning under most conditions.

### Carlson Software for Machine Guidance and Control

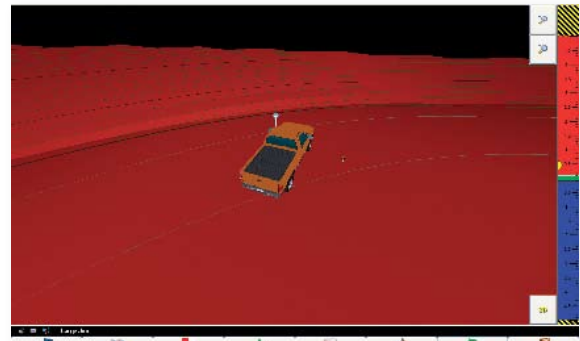
Carlson offers several packages for the machine guidance and control markets, including Grade Supervisor, Grade, and Command & Control. All Carlson machine guidance and control software includes Carlson Heartbeat for connectivity between machine assets. Carlson's Grade Supervisor is a powerful yet easy to use 3D site management system for day-to-day surface and grade management tasks. From concept to completion, Grade Supervisor, designed for both man and machine works either on the pole or in a vehicle. Carlson Grade 3.0 is a single software solution supporting many machines: dozers, graders, excavators, landfill compactors, drills, barges, draglines, bucket wheels & more. Applications include rough, fine, finish grading, mining, precision drilling, landfill compaction and others. Carlson's Command and Control is a desktop control center for data & fleet management.

### About Magellan Professional

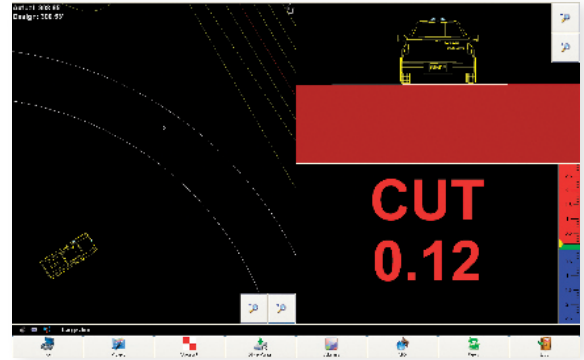
Recognized as an industry innovator, Magellan Professional has been developing GNSS technology for more than 20 years. Magellan Professional is the creator of BLADE technology, which introduces a unique patented method to the market using multiple GNSS constellations for high-accuracy positioning. Magellan Professional has also introduced the MobileMapper® series of products, as well as the ProMark series, including the ProMark 500, ProMark3 RTK and ProMark 3, a well-recognized GNSS product line currently on the market. Magellan Professional is privately held and headquartered in Carquefou, France, with offices in Santa Clara, California, Moscow, Beijing, China, Singapore, Santiago, Chile, and The Netherlands. For more information on Magellan Professional, visit <http://pro.magellangps.com>. [©2009 Magellan Navigation, Inc. All rights reserved. BLADE, DG 14, GPS+GLONASS, ProMark, ProFlex and MB 500 are trademarks of Magellan Navigation, Inc. and its affiliates.]

### About Carlson

Carlson Software, an independent company founded in 1983, develops software solutions to bring the land development professional from concept to completion. The 25-year-old company is well known for its comprehensive civil, surveying, mining, plus machine control and positioning software solutions. Its unlimited, free technical support and dedication to customer service is unique in the industry. Carlson Software is headquartered in Maysville, Ky and has branch offices in Boston, Atlanta, and Queensland, Australia.



Carlson Grade Supervisor software for site management



Top: ProMark 500 combines with Grade Supervisor for site management application. The GNSS rover can be mounted on a base, on a pole, and on a vehicle. Bottom: Data collection monitored in real time via Carlson's 3D software

