Carlson Grade for Excavators and Shovels

Carlson Machine Control equips excavators and shovels with GPS-based systems that provide cut/fill guidance in real-time. Operators can view their work as it's happening from within the on-machine ruggedized MC8/10 tablet. Site Supervisors have a complete view from within the office using Carlson Command.

- Flexible, easy-to-use, and easy-to-learn
- Consistent UI across all machines
- Multiple view options: profile, section, and plan
- Peer-to-peer communication and information sharing
- Ready for a single machine or complete fleet
- Features CAD importation capability
- Real-time machine view
- NTRIP and VRS compatible
- Troubleshooting capability from anywhere in the world



Experts in Machine Control Applications since 1996

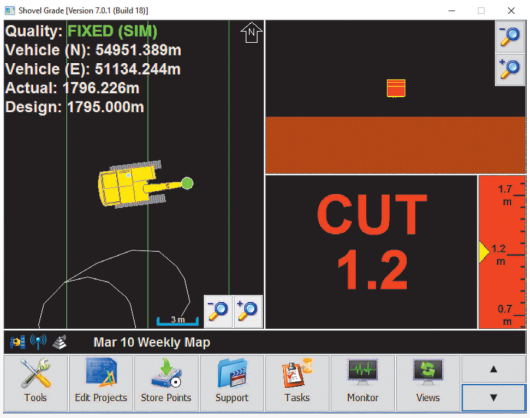
- Mining - Landfill - Piling - Dredging - Construction - Contract Drilling - Custom Applications -

BREAK NEW GROUND

Carlson Grade for Excavators and Shovels

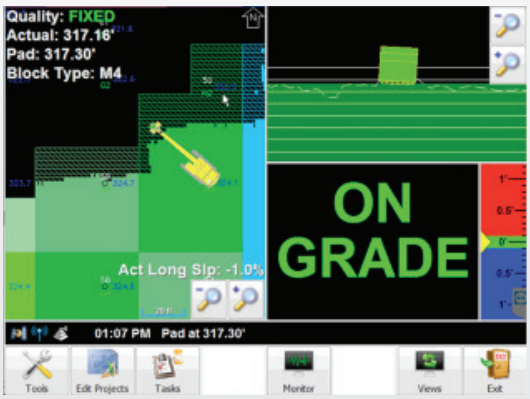
Improve Site Safety and Reduce Incidents

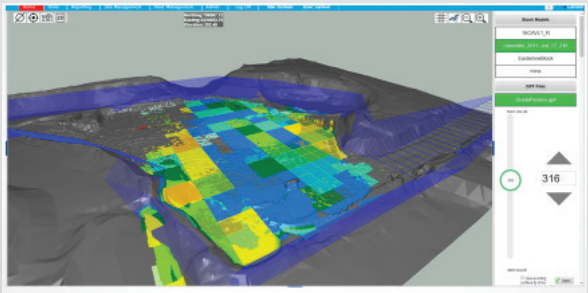
- Increase operator situational awareness through proximity warnings between machines and fixed assets
- Increase operator awareness by utilizing 2D and 3D watch zones and warning zones
- Increase safety for surveyors and engineers by reducing survey time in the field

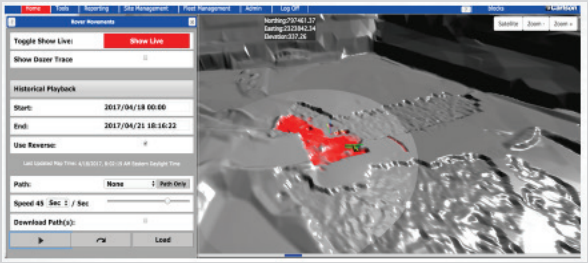


Real-Time, GPS-based Software and Technology Solution for Excavators and Shovels

- Accurately build-to-elevation
- Build-to-design for better highwall and proper bench elevation
- Dig-to-design using surfaces or block models
- Reduce repeat survey costs
- Real-time cut/fill and on grade
- Build simple or complex pads and slopes
- Surfaces are updated in real-time color map across the entire project
- Track single or multiple machines
- Ability to work with bucket and clam shovel configurations as well as tiltrotator configurations







Carlson Command

Carlson Command allows supervisors to view activity in the field, in real-time. Supervisors can view single machines, multiple machines, or the entire site from the office. Command features communication capability with machines and project assignment. Generate reports and analyze productivity all on Command.

- Productivity analysis
- Data management of single or multiple sites
- Direct machine to machine communication and data sharing with live and historical 3D machine playback
- Check downtime and idle time
- Full cut/fill color map with real-time surface updates
- Create and customize tasks, delays and down codes

Learn more: **www.carlsonmachinecontrol.com** or contact at: **machinecontrol@carlsonsw.com**

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