Monitor, Trouble-Shoot, and Make Adjustments Remotely or at Your Machine with Guardian™ Telematics

Roadtec Guardian™ Telematics
The Roadtec Guardian™ Telematics System consists of software, on-machine viewing screens, and wireless signal boosters to send and receive data at the machine. Numerous functions such as engine data and fuel consumption can be viewed at the machine or on your computer screen from a remote location.

Guardian™ Telematics comes standard on:
- RP-190/195 pavers
- RX-600, RX-700, and RX-900 cold planers
- SX-6 and SX-8 soil stabilizers/reclaimers
- SB-2500 Roadtec Shuttle Buggy MTV

*Optional on RP-170/175, MTV-1100, MTV-1500, and RX-300

Help from Roadtec service is only a phone call away! They see the same information you see and can guide you through the fix or do it for you.

Monitor & Troubleshoot Your Machine’s
- Fuel Consumption
- Engine Codes
- Alarms
- Starting Circuit
- Cutter Circuit
- Auto Water Circuit
- Conveyor Speeds
- Propel Functions
- Load Control
- Steering Circuit
- Machine Production
- Grade & Slope
- Hydraulic Pressure
- Engine Dashboard
Real-time Machine Data
See everything instantly: from fuel consumption, fault codes, time to service intervals, machine speed, grade and slope settings, or even the exact location of the machine (via GPS).

View Remotely and On-board the Machine
Log into the machine from your computer or you can view the information on the machine's display screens.

Strong Signal with Cell Booster
The connection to and from the machine is wireless and uses a cell booster to ensure a strong signal. If an Internet connection is unavailable at any given location, the on-board computer stores faults until the connection is restored and then sends the e-mail.

Your machine can be located by GPS using the Guardian system.
THE GUARDIAN SYSTEM SHOWS MACHINE CIRCUITS & SYSTEMS AS LIVE SCHEMATICS SO ISSUES CAN BE SOLVED INSTANTLY.

1. TROUBLESHOOTING: MACHINE WON'T START
THE START CIRCUIT VIEW SHOWS:
Right Front E-Stop activated.
Travel Levers are not in neutral.
Parking Brake is not on.

2. MAKE CORRECTIONS
THE START CIRCUIT VIEW SHOWS:
Right Front E-Stop is deactivated.
Travel Levers are now in neutral.
Parking Brake is now on.
3. GUARDIAN PRODUCTION
Monitor and record daily totals, machine totals, and live scale data.

4. Guardian works with most major brand grade and slope controls, including ACE®, MOBA®, and TOPCON®. Controls up top let the operator control both sides. Now you can work with at least one less ground man.
5. ADJUST STEERING CALIBRATION

6. ADJUST ELEVATION CALIBRATION
STAY CONNECTED TO ROADTEC AND YOUR CREW. ADDRESS YOUR MACHINE ISSUES QUICKLY AND SAVE MONEY BY ELIMINATING FALSE ALARMS AND WASTED TRIPS.

Know What’s Happening
Control how and when you will receive automated email alerts about maintenance schedules. See part numbers for service items such as filters. Designate someone of your choice to receive e-mails from the Guardian Telematics System concerning any fault codes that may be generated. Your designated people can log on to the machine and address the problems. Finally, you can also call Roadtec service, and have a Roadtec service technician dial into your machine to confirm and help resolve issues.

The Bottom Line: Benefits
- Save money spent on sending mechanics into the field to locate issues
- Minimize down time by isolating and correcting problems within minutes
- Increase machine life and uptime by performing all scheduled maintenance
- Eliminate false alarms and wasted trips
- Use production data to fine tune your operation and maximize productivity
- Monitor machine processes in real time

From: Guardian@Roadtec.com
Sent: Friday, February 26, 2016 9:38:43 AM (UTC-05:00) Eastern Time
To: Roadtec Diagnostics
Subject: Fault Notification RX-600e S/N-2071

Dear Roadtec,

Machine Model: RX-600e
Serial No: 2071

The machine/engine faults for the RX-600e S/N-2071 are listed below.

2/26/2016 9:38:41 AM @ 1904.9 Hrs.
SPN: 110 Engine Coolant Temperature Sensor
FMI: 18 Data valid but below normal operational range - moderately severe level Oec: 3
Occ: 3

2/25/2016 3:28:05 PM @ 1903.7 Hrs
SPN: 3597 ECU Power Supply Output No. 1
FMI: 18 Data valid but below normal operational range - moderately severe level Oec: 2
Occ: 2