Beyond simple pass count
Through secure connectivity to the global Sitelink3D Enterprise service, each roller or compactor not only performs tasks faster, but becomes part of the overall project like never before. Our interactive 3D-MC software with Sitelink3D, accurate temperature sensor and accelerometer provide you with the tools needed for FHWA and other regulatory intelligent compaction standards.

Multiple rollers
In asphalt paving, it is very likely that there are multiple rollers working together when compacting a road or parking lot. For accurate compaction, it is crucial for each operator to be able to see not only their own passes, but those made by other machines. The C-63 intelligent compaction system from Topcon allows this to happen, ensuring proper compaction from each machine – turning compaction into teamwork.

Real-time quality control
Our C-63 system gives you the best in real-time quality control. No more guessing about the right number of passes, mix temperature or stiffness. Topcon’s integrated system actively displays pass counts, ICMV values, and mix temperatures as you pave. This data is continuously updated though the Sitelink3D Enterprise status page where real-time progress is displayed and saved for future reporting. The C-63 keeps you in control without even being on the site, manage errors before they happen and fix problems remotely.

Available in two configurations
The C-63 system is available for both HMA and soil applications – each conveniently outfitted to provide you with the tools needed for the job.

Sitelink3D™
Using Sitelink3D Enterprise, project data is available to every project stakeholder, all the time. Operators, field supervisors and project supervisors back in the office have full visibility to all project data, updated in real time. This allows you to maximize efficiency on the job.
Accelerometer
Temperature Sensor (HMA kit only)
GX-60 Control Box
MC-i3 GNSS Receiver
GNSS Antenna
Cellular Antenna
Temperature Sensor (HMA kit only)
Accelerometer
MC-i3
This feature-rich GNSS receiver is easy to install inside the machine preventing damage and comes Sitelink3D enabled to deliver data instantly from anywhere cellular service is available.

PG-S1
The lightweight and robust PG-S1 is an advanced GNSS antenna providing excellent tracking performance for all compaction applications.

Accelerometer
Senses real-time drum and ground vibration to automatically calculate stiffness and density compaction values. Operating at common frequencies to deliver the highest quality data instantly.

Temperature Sensor
Real-time asphalt temperature readings with front and rear sensors for accurate system reporting. Small and compact design for easy installation and handling.

**GX-60 Control Box**
- Display: 6.5 inch touch screen
- Backlight: Auto adjusting
- OS: Windows XP
- Ports: Compact Flash / USB
- Dust/Water Rating: MIL-STD 810D method 506
- Supply Voltage: 10 to 30 VDC

**MC-i3 Receiver**
- GNSS: Single or Dual
- Radio: SL-R3 (network) 915SS Digital UHF
- Ports: 2x Serial, Bluetooth®, Ethernet, 2x CANBus
- Supply Voltage: 10 to 30 VDC
- Humidity: MIL-STD 810D method 506
- Operating Temp: 30°C to 70°C

**PG-S1 Antenna**
- Signals Tracked: L1 L2 GPS/GLONASS
- LNA: 33 dB (typical)
- Antenna Connector: TNC
- Dimensions (w x h x l): 141.6x141.6x54.2 mm
- Weight: 430 g (no ground plane), 615 g (ground plane)
- Enclosure: Aluminum with plastic radome
- Operating Temp: -50°C to 85°C
- Storage Temp: -55°C to 85°C
- Dust/Water Rating: IP67

**Temperature Sensor**
- Optical Resolution: 15:1
- Spectral Range: 8 to 14µm
- System Accuracy: ±1.5% or ±1.5°C
- Repeatability: ±0.75% or ±0.75°C
- Temp Resolution: ±0.1°C
- Vibration: IEC 68-2-6: 3G, 11 to 200Hz, any axis
- Supply Voltage: 6 to 30 VDC, 6 to 9 VDC
- Enclosure: Aluminum housing
- Dimensions (w x h x l): 67 x 29 x 139 mm