Remotely monitor your structures across the nation in near real time

Monitor structural and environmental factors via Internet-enabled devices installed on targeted infrastructure.

Today, rail and roadway infrastructure throughout the U.S. is aging and in disrepair. A common constraint to addressing these infrastructure challenges is an underfunded transportation capital budget. Traditionally, organizations have relied on visual inspections to assess the state of their structures. Locations may be remote or difficult to regularly assess and checked infrequently. Monitoring may be manual or visual requiring trained staff. Remote monitoring generally relies on older technology solutions that are bulky and not suited for the long-term.

AT&T offers a solution for smarter infrastructure analysis and monitoring.

Key features:
• AT&T LTE-enabled devices installed on targeted infrastructure capable of remotely monitoring structural factors
• Crack sensors
• Tilt sensors
• Alert triggers and email alerts to capture significant events
• Battery operated
• Installation may be completed in under 10 minutes

Benefits of AT&T plans:
• Improve safety and planning
• A reduction in the number of manual inspections may lower operations costs
• Monitor structures in near real time via the Internet, anywhere in the world through a web-enabled device
• A reliable one-piece solution that may lead to a reduction in costs
• The reuse of sensors on multiple areas of interest may increase efficiency
How Structure Monitoring works

Internet-enabled devices are installed on targeted infrastructure and are capable of monitoring various structural and environmental factors. You can take action on the data using reports and alerts based on location, condition, and operation.

Crack and Tilt Sensors with SIMs are installed on key infrastructure, to monitor various structural and environmental factors.

Sensor data is sent across AT&T’s 4G LTE network to an IBM cloud. A secure web application provides a portal for customers.

Customers can access a web portal dashboard on laptops, tablets and smartphones and take action based on location, condition or operation type data shared via reports and alerts.

The powerful AT&T network supports integrated systems with a single, highly secure network with nationwide service and redundancies. Take advantage of our progressive and ever-improving network to drive innovation for your business.

For more information on Structure Monitoring, contact an AT&T Representative at 1-877-265-2118.

To learn more about AT&T Smart Cities, visit www.att.com/smartcities or have us contact you.