

SUCCESS STORIES



Customer testimonial

"GConnect integrated with Intellot brings expertise together to solve an old problem and bring new value added services. It is easy to deploy and leverages know-how of the automobile industry, web application development, remote monitoring, and wireless technology. GConnect is the only wireless technology that offers the flexibility to meet all the requirements for vehicle monitoring. By getting information in real-time, car manufacturers and distributors have a lot to gain by using Intellot's VTS."

Jeff Braid, President, Rhizone
www.rhizone.com

Rhizone, the leading wireless monitoring solutions provider in North America, has partnered with Minneapolis-based Intellot to design, develop, and deploy a new wireless vehicle inventory tracking system. Rhizone leverages its extensive background in wireless technologies, particularly GConnect low-powered solutions for M2M communications, to help partners implement cost-effective and technically innovative systems for customers.

As in many industries, automobile OEM's, distribution channels and dealers have long been faced with the challenge of knowing the exact locations of their vehicles. This information is critical for OEM's, financial institutions, rental companies, dealers, distribution centers and insurance companies.



Industry challenge

Today most vehicle tracking is handled manually on paper or with handheld computers. The main problems with these methods is that there can be delays of up to several days before data is available to the main system, making it impossible to accurately monitor a vehicle in real time. Secondly, it is a very cumbersome task to inventory each vehicle individually when you have 500 to 2000 vehicles in a lot, to determine when the vehicle arrived, when it left the lot or even if it was stolen.

GConnect active RFID solution put to the test

Even with interference from metallic structures, car bodies, and heat, GConnect provides connections up to several hundred feet, unlike other RFID technologies, which fall far short of this mark. By utilizing GConnect's meshing capability, readers can communicate with one another and be deployed throughout a lot covering several square kilometers.

RFID car tracking solution

Intellot's VTS (Vehicle Tracking System) is based on GConnect UHF RFID tags, readers, and range extenders from Coronis, a standard Lantronix Internet gateway (connected to the RFID readers via a standard serial port), and control software developed by AWS.

By equipping vehicles with a long-range UHF RFID tags, and installing RFID readers at key places in the delivery circuit, logistics managers can accurately track their resources without having to physically go into the field. The readers flag vehicles as they pass, such as upon exit from the stockyard and arrival at the dealership. E-mail and reports are generated automatically, allowing analyst to be informed of vehicle status at any time. Furthermore, the system generates constant real-time location and historical data for each vehicle as it travels from point A to point B in off-line yard and lot areas.

The other part of the system provides ongoing information that is beneficial for dealers and has serious financial impact. Intellot can pinpoint the location of any GConnect RFID-equipped vehicle on a lot. This saves significant time when people need to access a vehicle. The tracking system reports on vehicle activity while at a dealership, such as whether or not it was taken for a test drive during a specific period of time or stolen.

ROI

- o Deployed at 1/10th the price of traditional readers
- o Systems running in 30 minutes w/o site survey
- o Range over 300 ft, battery life over 5 years
- o Monitor entire lots for a few dollars/ month

