BatteryInformer®

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BatteryInformer® Preserving The Environment: Reducing Greenhouse Gases & Hardening Networks

BatteryInformer Smart-500 Remote Monitoring Solution

Telecommunications carriers globally are seeking ways to achieve their "green objectives": protect the environment, decrease greenhouse gas emissions and reduce energy consumption. Carriers are also seeking supplier partners that provide solutions that can harden their network while achieving these same green objectives.

BatteryInformer® provides a highly cost effective battery remote monitoring solution which was designed specifically to assist carriers with reducing truck rolls while increasing the reliability of their network. Utilizing the BatteryInformer®SmartBattery™ solution also significantly reduces the impact on the environment.

Reducing Carbon Footprint
According to the Environmental Protection Agency (EPA), light vehicles account for 62 percent of all greenhouse gas emissions in the United States. Each gallon of gas a car burns emits 19.4 pounds of carbon dioxide.[1]

Telecoms strive to balance maximizing site uptime with minimizing operating expenses. Battery backup is vital to a carrier's ability to ride through blackouts and catastrophic events. In order to ensure that their battery plants will perform when needed, carriers must maintain their battery backup network by performing at least one of the following maintenance methods: annual testing, remote monitoring or replacing on a scheduled cycle. Most companies have ultimately elected to perform annual visits to test their batteries as scheduled replacement programs are inefficient and monitoring has been too expensive.

BatteryInformer® has changed the current paradigm with its BatteryInformer®SmartBattery™ integrated battery and remote monitoring solution.

Implementing this solution allows carriers to reduce the number of site visits per year, reducing both operating expenses as well as CO_2 emissions. A carrier with 50,000 sites can save up to $10,000,000 a year in operating expense and reduce CO_2 emissions by 1 million pounds per year. See Figure 1

Figure 1	1 Truck Roll	10,000 Truck Rolls	50,000 Truck Rolls
Annual CO_2 Emissions Saved Per Truck Roll	20 pounds	200,000 pounds	1 million pounds

Annual CO_2 emissions saved per truck roll: Assumption, 20 miles/truck roll and 18-miles/per gallon [2]

For approximately the same price as a carrier is paying for a battery today, BatteryInformer®SmartBattery™ provides an integrated battery and monitoring solution that can be deployed at the same time as the carrier is replacing its failing batteries or upgrading its network. Utilizing the existing budget, carriers can then:

• Reduce OPEX expenses by $5-10+ millions of dollars a year through the reduction of truck rolls
• Harden sites by more than 51 times as a result of remote monitoring versus annual visits
• Experience no implementation cost: monitoring included in price of battery
• Increase safety by reducing thermal runaway and technician windshield time
• Reduce carbon footprint (Green) and boost employee morale

1. Source: EPA Feb 2005 report: www.epa.gov/oms/climate/420f05005.htm
2. Source: Kentrox Protecting the Environment 05-24-001-01