



CORPORATE BACKGROUNDER

IONX LLC is a developer of ultra-low power wireless telematics solutions for railcars, providing GPS tracking, asset status and condition monitoring. Railroads, car owners and shippers rely on monitoring systems for “visibility” of premium assets and lading, which are transported in some of the harshest operating environments. Asset monitoring offers railroads and shippers a way to effectively address increased safety, security and regulatory compliance concerns. The data transmitted by the IONX telematics system also can be used to help improve performance, freight monitoring and fleet utilization.

Amsted Rail, a leading global provider of products and services to the rail industry with more than 100 years of manufacturing experience, founded IONX with a vision of developing new ways to collect, evaluate and apply freight car data not only to railcar product design, but also to help railroads and owners manage their fleets more effectively.

Headquartered in West Chester, Pa., IONX’s objectives include evaluating and demonstrating how the latest technology can provide more effective ways of delivering freight car performance data to their owners and operators, enable condition-based maintenance programs, and improve asset reliability and utilization.

With the launch of the IONX Edge™ asset monitoring system in September 2008, the company is committed to being a premier provider of remote tracking and condition monitoring equipment for freight car assets, globally utilizing ultra-low power telematics solutions. The IONX telematics system provides satellite, cellular or dual-mode (satellite/cellular) communication options for near real-time, ubiquitous coverage. The system also leverages ultra-low power management technology to maximize battery performance for long life and minimal maintenance.

IONX Edge asset monitoring system consists of three models — Series 1, 2 and 3 — that leverage the Inmarsat and ORBCOMM satellite systems. GSM cellular technology also supports the system.

Executive Management

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PRODUCT OVERVIEW

IONX Edge™ asset monitoring system consists of the communication management unit (CMU) and integrates optional wired and wireless sensors and a stealth external antenna, along with a Web interface, to provide a total solution for customers seeking remote tracking and monitoring of freight car assets. It leverages ultra-low power management technology for longer battery life and decreased maintenance requirements.

Communication Management Unit (CMU) – a self-contained satellite, cellular or satellite/cellular (dual-mode) communication processor that is mounted on the freight car. It provides location and status messages along with e-mail alerts, to notify customers of activities that potentially could threaten assets or lading.

Web site interface – a graphical user interface (GUI) to easily access and analyze incoming data from the Edge system units. It allows users to map assets, generate reports, set up alerts and group assets to fit operational needs. A secure password-protected Web site gives users confidence that data is secure.

Optional sensors and equipment – an optional external antenna increases installation options when the CMU cannot be positioned on top or near the top of the railcar. In addition, open/close, impact, load, temperature, handbrake and other sensors communicate important information about railcar activity so users can determine authorized or unauthorized activity, possibly reducing lading loss or asset damage.

