

## VeriWise™ Solutions for Rail

Using a remote monitoring device, satellite-based communications, a series of sensors and established business rules, VeriWise gathers and provides information on fleet location and the conditions inside each railcar. By integrating traditional car location (CLM) and event data, combined with railcar telemetry information, VeriWise provides robust shipment visibility for improved shipment management and decision-making.

Designed to meet the growing information needs of the rail industry, VeriWise will help:

- Improve shipment delivery cycle and demand planning
- Monitor loads in a time of increased awareness of homeland security
- Minimize potential for product tampering once cargo is in transit
- Track railcars throughout the entire rail supply chain
- Provide productivity gains through improved asset management
- Maintain visibility to the condition of your asset and commodity through a selection of sensors

## Time-Tested and Customer Proven

Asset Intelligence works with some of the world's largest transportation companies to develop and deliver proven fleet management tracking solutions. Our combined satellite and cellular-based solutions portfolio is unmatched in the industry, and we have demonstrated that fleet management works - and pays. Put Asset Intelligence to work for you today and reap the rewards of better fleet management.

# VeriWise™ SATELLITE Rail



## The Basic VeriWise Service and Features

- Rail car hardware that is impact tolerant
- 24-hour online secure access to integrated CLM and GPS data
- Exception management queries and reports
- Fleet and transit lane analysis tools and reports
- User configurable reports and alerts based on integrated shipment information
- Geofence reporting
- Visual mapping of assets
- Over-the-Air (OTA) polling and VeriWise system reconfiguration
- Two-way communications device
  - Accurate and timely car location and condition up to +/- 10 meters
  - Improved estimated time of arrival (ETA)
  - Scheduled and on-demand message capabilities
- Manufactured using Lean Six Sigma quality

## Options Available

- Extended training program with customer demo manager for predefined time period
- Sensors
  - Protective Housing: for pressurized tank car only; open/close alerts
  - Impact: 3 axes; reports impact events between 4-18 Gs
  - Temperature: for railcars with thermowells; configurable upper/lower settings for -25° F to 400° F
  - Motion: user configurable start/stop settings
- Business systems integration



No	Equipment ID	Last GPS (Eastern)	Relative Location	GPS City	GPS State	L/E	In Geofence	Protective Housing	In Motion	Temperature	Select All
1	SHPX207253	10-28-2008 07:12:00 AM	0 Mile SW of Keesee Jct, TN	SPRING HILL	TENNESSEE	L	Not in Geofence	N/A	In Motion		<input type="checkbox"/>
		Origin: OESMAR, LA		Shipper: XYZ RAIL		RR: TSRR					
		Destination: PULASKI, TN		BOL: 2054733011		Route: CN MEMPH-CSXT					
		Product: TOLUENE DIISOCYANATE		SPLC: 436213							
2	UTLX026009	10-28-2008 07:12:00 AM	2 Miles E of Oesnar, LA	UNION ASCENSION PAREM	LOUISIANA	E	Not in Geofence	N/A	Stationary		<input type="checkbox"/>

The VeriWise solution for rail provides exception managed reporting, seamless integration of your CLM and railcar/commodity status, and user-customizable reports and alerts.

## General Specifications

Hardware dimensions*	2.5" x 11" x 30"
Solar Panel Dimensions	7" x 15"
Environmental Spec/ Requirements	Designed and tested to meet AAR Railroad Electronics Standard S-5702
Certifications	UL913 certified by MET Laboratories for use in Class I, II, and III, Division 1, Hazardous (Classified) Locations* FCC certified per 47 CFR
Part 25 Power Supply	Sealed lead-acid battery with solar charger
Power Management	Improved wake cycle management and message handling

\* Certification rendered for temperature, protective housing, and duplex communication system with embedded impact and motion sensors.

## About Asset Intelligence

Asset Intelligence is focused on delivering solutions to address the challenges of the global supply chain. By leveraging the latest wireless communications and web technologies, the VeriWise satellite and cellular-based platforms offer intelligent solutions that provide shippers and carriers with tools to better manage fleets, freight, and maintenance operations. Quick access to actionable intelligence empowers you to make more informed decisions about securing and optimizing your asset portfolios and streamlining your supply chains.

For more information about our VeriWise solutions, visit [www.id-systems.com/assetintelligence](http://www.id-systems.com/assetintelligence) or call 1-877-983-7466



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