Fuel Efficiency

Fuel savings with monitoring, reporting, and alerts

Reduce Excess Idle

Imagine a world where you know if your locomotives are idling, where they are idling, and for how long. Wi-Tronix provides real-time, actionable excess idling alerts to significantly decrease your fleet fuel costs and reduce environmental impact from emissions.

Fuel Management

Upgrade the accounting for your railroad's fuel inventory and consumption. Instantly learn how much fuel was consumed within a particular geographical area, including emissions accounting. Simplify fuel recoverables for foreign power on your tracks. Make sure to only pay for the fuel you receive.

Fuel Efficiency

Wi-Tronix not only lets you remotely monitor your locomotive's fuel levels, but provides intelligent insights into fuel efficiency. Comparisons between various assets or crews allow you to take action and continuously improve your fuel spend.

Wi-Tronix Solutions Packages
Get the solutions you want, not what you don't.

wi-tronix.com

Why Wi-Tronix?

Our Fuel Management Solutions Save Your Fleet Time And Money

Monitor Fuel
Real-time fuel reporting for improved fuel consumption intelligence

Trip Planning
Know how far you can go with the fuel you have in your entire consist

Fuel Alerts
Subscribe to customizable text, email, and in-browser alerts

Questions? Contact your sales representative or reach us at **sales@wi-tronix.com** for detailed discussions on how Wi-Tronix packages can help your operation.

Your Assets, Your Data, Our Solutions

Fuel represents one of the most significant cost expenditures for a railroad. Through customized monitoring alerts, and reporting, we provide insights that allow you to save 5-10% on your annual fuel spend.

Reduce Excess Idle

Receive actionable, real-time excess idle alerts. Use geofences to create targeted alerts by location, locomotive, fleet, as well as idle duration. Analyze historical data to identify patterns and reduce idle time.

Vendor Reconciliation

Reconcile fuel received to fuel invoiced, and only pay for fuel received. Streamline fuel invoices, by setting up autopay rules for invoice and fuel received match.

Out-of-Fuel Alerts

Obtain real-time indications when your assets are running of out fuel. Use geofences to know locomotive location and who to alert to take action.

Fuel Consumption Scorecard

Measure train-to-train variation by locomotive, fleet ID, category and region.

Patented Technology Improves Accuracy

Patented Wi-NAV technology improves fuel readings by compensating for track grades, pitch, and roll of the locomotive. Remote monitoring of fuel levels provides real-time alerts for fuel drops and refuel events.

Locomotive Utilization

Locomotive Utilization Reports track asset usage over time to get optimal use of your locomotives and right size your fleets.

Fuel Consumption Trends

Understand a locomotive's fuel performance month-over-month, by leveraging energy calculations to compare energy to fuel burn.

Fuel Sensor Health

Use the fuel sensor dashboard for early warning signs of sensor failures.

No one provides as much support as Wi-Tronix

We believe in full lifecycle support of our software and hardware products.

Wi-Tronix Differentiators

We apply machine learning techniques to improve the accuracy of refuel events and fuel drop data. With more accurate data, optimize trip planning and refueling to realize significant savings.
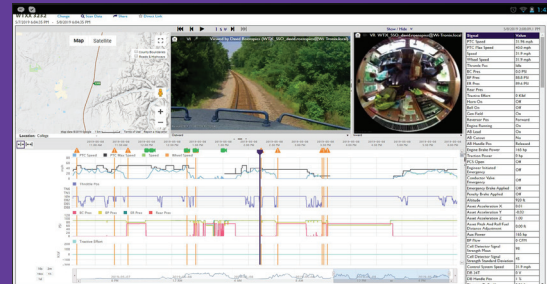
Our solution is fleet agnostic, and features patented Wi-Nav technology.

Receive theft alerts in real time, and check the in-cab, forward, & rear-facing cameras while using GPS to know the exact location to send security.

We integrate with business systems to understand your entire train. This train integration allows us to provide insights for fuel efficiency on a train level, not just on a locomotive level.

Violet View For Fuel Usage

In Violet View, you can see fuel warnings in context with the full health of the locomotive.

Video data, alerts and fuel data combine to provide a more meaningful overview of fuel usage.

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