

GE Transportation

Expert-On-Alert combines real-time monitoring and diagnostics, automated repair recommendations and the expertise of GE service technicians to increase locomotive utilization and reduce road failures.

This advanced remote monitoring and diagnostic system monitors faults and hundreds of operating parameters, uses rule-based filters and condition-based reasoning tools to isolate problems, and provides tailored repair steps.

The system enables repairs closer to the train and ensures locomotives are fixed right the first time.

The system:

Continuously monitors locomotive health and transmits data to GE's Monitoring and Diagnostics Service Center (MDSC)

Intelligent learning tools diagnose problems and create repair recommendations (Rx) tailored to each situation

After review by experienced locomotive technicians, the Rx is sent to the customer via web, e-mail or direct B2B connection

Expert-On-Alert™

Remote Monitoring and Diagnostics



Benefits

Asset Utilization

Expert-On-Alert increases locomotive utilization, reducing road failures and train delays. In-shop time as well as instances of no-trouble-found (NTF) are also reduced. Repairs can more readily be made on "run through" tracks.

Expert Diagnostics

The system's real-time diagnostics are automated and consistent. They separate legitimate problems from nuisance faults. Expert-On-Alert enables advanced diagnostic capability across all shops. The system's "knowledge" reflects GE learning from multiple customers and fleet experiences.

Shop Productivity

In the shop, Expert-On-Alert eliminates manual downloads and review, and minimizes troubleshooting time. Productivity gains are also facilitated by reduced labor hours and parts consumption.

Efficiency

When parts and labor are needed, Expert-on-Alert provides advance notice to prepare for the fix. Moreover, treatment recommendations can be used for the education of crafts personnel.

Monitoring 24x7

The system incorporates real-time operational health checks. Live expert troubleshooting assistance is also available.



Expert-On-Alert is one of a number of applications that can be hosted on LOCOCOMM's industry-standard Wintel platform.

Visit us online at
www.gettransportation.com

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Expert-On-Alert keeps locomotives out of the shop



Real-Time Monitoring

- 100s of pre-defined parameters
- 1000s of locomotive fault conditions
- Fault-driven messaging

Feedback

- Improved system
- Verification of repair



Fast Repair

- Advance coordination of parts and labor
- Out-of-shop repair
- Locomotive fixed right the first time



Isolation and Rx <30 min

- Automated Rx creation
- Rule-based filters and tools
- Case-based reasoning
- Analysis by locomotive experts
- B2B and web delivery



Rx

- Impact on performance
- Urgency of repair
- Location of repair
- Tailored isolation and repair steps



imagination at work