



Asset Management

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The Transportation Technology Center, Inc., through its work with the AAR's member railroads, has developed a comprehensive set of asset management tools. These asset management tools, along with our expertise in vehicle dynamics and train operations, allow railroads to quickly identify and address asset management issues.

TTCI's simple, effective approach helps railroads tailor solutions to meet their needs.

- Identify critical asset management issues. What decisions are facing the railroad with respect to infrastructure and vehicle management?
- Identify existing data sources
- Apply state-of-the-art

algorithms to address identified asset management issues

- Format the output to individual requirements

- Document the analysis and provide results, with recommended solutions

Software Tools

TTCI's consulting solutions range from software tools for specific short-term asset management issues to the development of a system-wide infrastructure/ vehicle asset management system. These include:

- **RTL™** - TTCI's coordinated suite of system track and vehicle degradation, maintenance, and economics models.
- **NUCARS®** - TTCI's vehicle dynamics and wheel/rail interaction model.



contact:
TRANSPORTATION
Technology Center, Inc.

55500 DOT Road
Pueblo, Colorado 81001
Phone: +1-719-584-0750
Fax: +1-719-584-0711
Toll free: +1-888-588-7246
Website: www.ttciaar.com
Email: marketing@ttci.aar.com