



## LEADER®

*New York Air Brake's LEADER Train Handling System reduces operating costs and boosts network efficiency by providing superior train handling and significant reductions of in-train forces.*

By reducing fuel consumption, overtime expense, and repair costs – and even earning more money from increased throughput, CO<sub>2</sub> energy credits, and improved crew performance – LEADER can improve your operating ratio today, tomorrow, and well into the future.

- Save fuel
- Run longer trains
- Reduce end-of-car wear and tear
- Increase velocity
- Improve on-time performance
- Earn EPA credits

**Ask us how LEADER can help enable  
YOUR autonomous train initiative!**

**E<sub>2</sub>O:** reduces fuel consumption by 6-17%

## Superior Train Handling

*LEADER* software performs thousands of look-ahead simulations per minute that predict train performance miles ahead. As new variables enter the equation, *LEADER* scores and selects the strategy that best matches mission demand for fuel economy, reduced in-train force and on-schedule performance.

*LEADER* prompts for Asynchronous distributed power, putting power where it is needed to reduce in-train forces and improve fuel consumption.



## Three operating modes

*LEADER* DriverAssist™ – Prompts the driver on brake and throttle settings.

*LEADER* AutoControl™ – Automatically operates throttle and dynamic brake (improved precision).

*LEADER* AutoPilot™ – Provides autonomous train control (operates driverless in some areas).

## A Roadmap for the Future

*LEADER* is a technology platform that meets the train control demands for the future:

- PTC compliance
- Real-time brake monitoring
- Trip Management (pacing)
- Consist management (e.g. integration with SmartConsist® from Progressive Rail)
- Compliance with LCCM & other interoperability standards

**NEW YORK AIR BRAKE**

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