



Trip Optimizer™

Core Capabilities

- Closed-Loop Auto Control of throttle and dynamic brakes with constant operator supervision and return to control at any time
- Auto-Independent Distributed Power for auto train handling of longer trains over difficult terrain

Differentiating Features

- Automatic controls of throttle, dynamic braking—Locotrol DP remote consists, all according to plan
- Builds individual plan for each train over a given territory
- Monitors actual HP, speed, wheel slip, engine health, rail quality and wind effect—not a model-based estimation

Optimized Outcomes

- Sustainable fuel savings of 3-17% (depending on train type and terrain)
- Emissions reduction
- Efficient train handling

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Save fuel and optimize your trains, automatically.

Train length and weight. Track conditions and grade. Driver response time and deviation between drivers. These are just a few of the factors that influence the speed and efficiency of freight delivery—and its impact on your business' bottom line.

A state-of-the-art onboard train control system, **Trip Optimizer (TO)** functions much like an aircraft's autopilot, learning a train's characteristics, creating an optimal trip profile, then automatically controlling locomotive throttle and dynamic brakes to reduce fuel burn and provide efficient train handling.

The result? Trains run on time, operate more smoothly and use fuel more efficiently — resulting in 3-17% fuel savings and corresponding emissions reduction.

10% fuel savings certified by the EPA

