



Intelligent Equipment  
Management Solutions

# ZTR Locomotive ELC-PEO

## Locomotive modernization technology for the business minded.

Old electric-hydraulic load regulators on DC locomotives are unreliable, difficult to maintain, and offer no added functionality. The ZTR Locomotive Electronic Load Controller – Performance Enhanced Option (ELC-PEO) replaces old load regulators, to improve overall operational reliability, while also delivering performance and diagnostic improvements that make a difference in your operations. The ELC-PEO is a low cost way to start modernizing your locomotive now, with the option of easily adding on greater functionality later.

## Benefits

### Equipment protection

Short-term current regulation for both the traction motors and main generator, plus voltage and current fault protection for the main generator.

### Advanced throttle response

Horsepower and traction motor current regulation by throttle using adaptive targeting.

### Tractive Effort Improvement

Improve through adaptive targeting and control of wheel slip through intelligent sanding.

### Intuitive diagnostic interface

Monitoring, diagnostics, logging and event counting through an intuitive web browser interface, with no need to install software for setup and commissioning operations.

### FLEX platform scalable design

Low cost upgrades make it easy to add greater locomotive control functionality in the future.

### Reliable performance

Elimination of high-maintenance load regulator with new reliable solid state technology with zero maintenance.

# Start your **upgrade** process with the ELC-PEO; a **low-cost** way to **improve** locomotive **performance**



## What you get:

- Equipment protection
- Advanced throttle response
- Tractive effort improvement
- Intuitive diagnostic interface
- Flex platform scalable design
- Reliable performance

The ELC-PEO is a low cost way to start modernizing your locomotive now, with the option of easily adding on greater functionality later.