Retrofit your aging fleet with the BOA™-II to get the most advanced excitation and superior locomotive wheel slip protection, in an easy to install package. The BOA™-II improves locomotive tractive effort, equipment protection and reliability for better train handling, adhesion and performance. With the BOA™-II wheel slip control system you can extend the life of your fleet and ensure you get the most value from it.

Benefits

**Improve tractive effort**
Increased adhesion through tractive effort improvements of up to 80% for DC main generator units and up to 25% for AC main generator units.

**Enhanced reliability and equipment protection**
Main generator and traction motor automatic short-term current regulation, voltage and current protection, and grid current protection.

**Intuitive diagnostic interface**
Integrated monitoring, diagnostics, logging and event counting through an intuitive web browser interface. No need to install proprietary software for setup and commissioning operations.

**Flexible hardware options**
Compatible with typical 4 and 6 axle traction motor configurations. Designed using the FLEX platform hardware allowing for easy installation and future upgrades.

**Superior train handling and control**
Improved throttle response with superior train lifting and handling capabilities, transition and field shunt control.

**Locomotive life extension**
Additional operating performance improvements provide the most cost-effective locomotive adhesion control available to extend the life of your locomotive.
Keep your aging fleet on track with the BOA-II, the most reliable, proven, and advanced wheel slip control system available.

With the BOA-II wheel slip control system you can extend the life of your fleet and ensure you get the most value from it.

Product Options

- Two speed dynamic brake
- Traction motor stall detection
- Locomotive speed limiter*
- Automatic ground relay reset with limiter
- Engine cooling control**

* Locomotive speed limiter - limited to excitation regulation and does not use the dynamic or mechanical brakes.
** Engine cooling control - available on all 6 axle locomotives and on 4 axle locomotives that do not require the grid blower health monitoring feature.