



EVOLIS

LOCOMOTIVE INTELLIGENCE SYSTEM



EVO-LIS LIGHT

Genset Locomotive Control System



EVO-LIS MASTER

Complete Locomotive Control System



EVO-LIS REBUILD

Upgrade Locomotive Control System



STANDARD FEATURES

- Traction Control
- Parameters display
- Main Generator Control
- Advanced wheel slip / slide control
- On-screen diagnostic
- Local on-screen parameter setup
- Traction Motor Protection and Management
- Trip Computer
- Vigilance System
- Customizable Touch Driver's Interface
- Railway Approved Components
- Customizable data recording
- Automatic sanding
- Traction Motor Cut-out Control
- Anti-Plugging Protection
- Faults and alarm display
- Railway Approved Components



OPTIONAL FEATURES

- Transition Control
- Field Shunting Control
- Auto Start / Stop
- Creep / Slow Speed Control
- Engine governor control
- Cooling fan control
- Load-box Setup
- Motoring / Dynamic Braking control
- Automatic Ground Relay Reset
- Battery Charing Control
- Fuel monitoring
- Individual Traction Motor Cut-out Control
- Air Compressor Control
- Fluid Level Monitoring
- Engine Coolant Temperature Monitoring
- Multiple-unit Configuration
- Starter Motor Protection
- Operator / Driver log in

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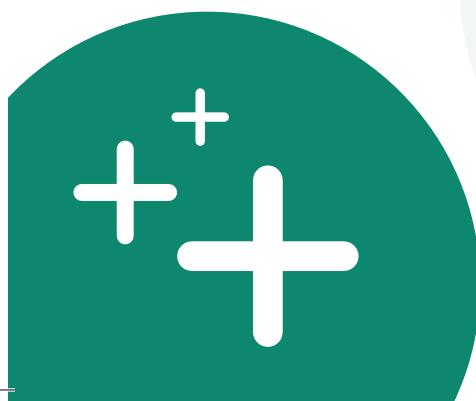
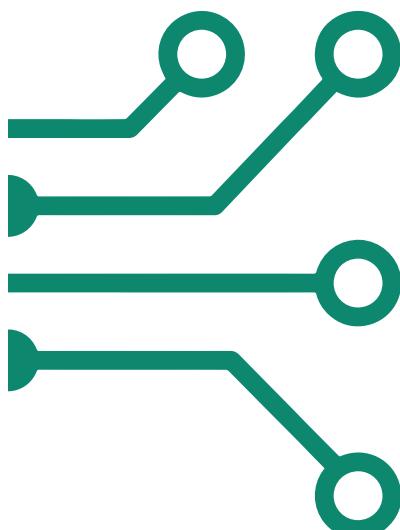
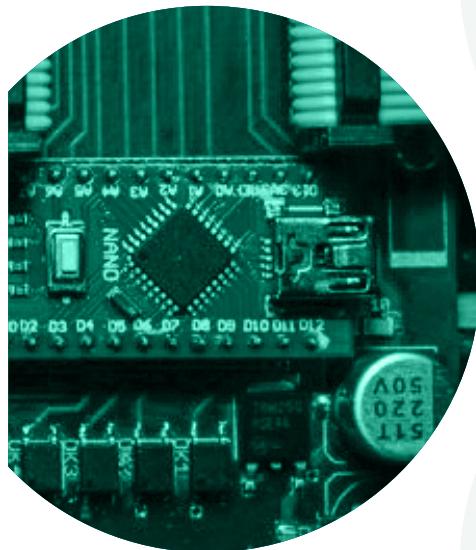
Evolution in Rail Technology

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BENEFITS



Advanced Wheel Slip / Slide Control

Thanks to advanced and accurate wheel slip control, the EVO-LIS range of control system is able to improve the tractive effort. This leads to greater starting loads and greater tons haulage capabilities. The increased adhesion obtained reduces risks of damage to wheels, traction motors and rail track.

Less Maintenance

Reducing the amount of switches, motors and contacts, reduces the probability of faults occurrence. This is because all these components are replaced by an intelligent system which can perform the same function at a safer and quicker rate.

Remote Support

With the optional fleet management system, the operator has the ability to remotely monitor each locomotive fitted with an EVO-LIS control system. The information gathered is useful for preventive maintenance, driver training, track maintenance and performance tracking.

More Free Space In HVC

The use of a reliable control system reduces the needs for contactors, switches, interlocks and other switching devices. It also reduces the amount of safety components and circuitry used while improving performances and providing improved safety systems.

Easy Fault-finding

The built-in diagnostic tool allows the operator to assess all major contacts and organs of the locomotive. This makes fault-finding and troubleshooting easier and thus reduces down-time considerably.

Easy Installation

The EVO-LIS is designed to be installed on rebuilt, mainline, branch-line and shunting locomotives. It is fully customizable to customer's requirements and easy to install, thanks to pre-made harnesses.

