

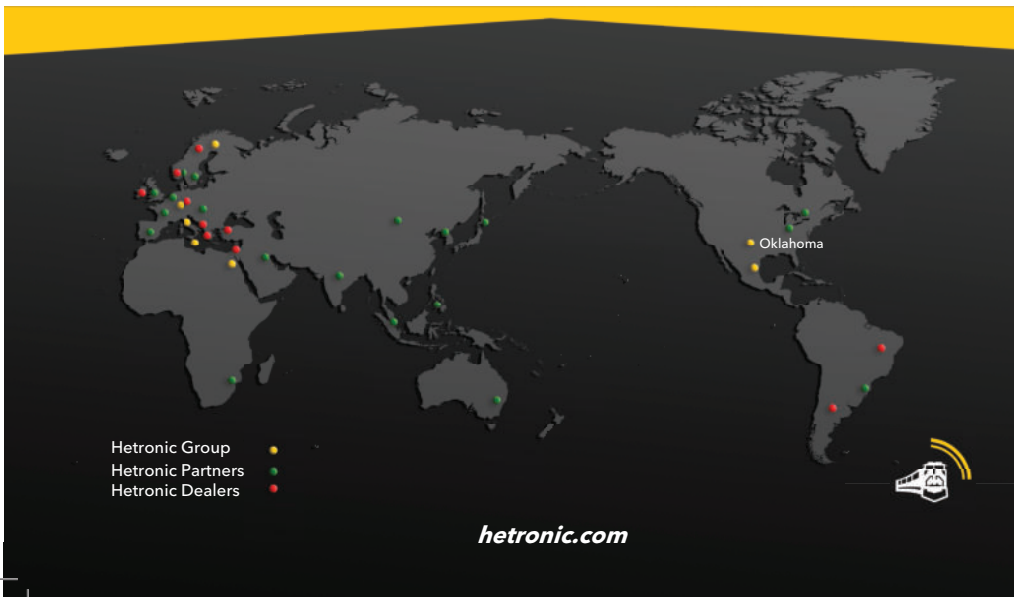


Our vision is to create radio remote control solutions that are designed based on the voice of Railroad Customers enabling professional operators to achieve their objective of accident free operation. We are guided by principles developed over 35 years ago, principles of honesty, integrity and steadfast belief that customer safety and satisfaction is our number one job!

Hetronic's innovative Human-Machine Interface (HMI) technology is constantly being developed and implemented to meet the needs of our customers for safe, reliable and affordable safety radio remote controls. Our products include standard systems for off-the-shelf applications or custom configured systems that are created to meet the customer specific application needs. In every case, our systems are designed to allow the operator to be safer, more efficient and productive while providing customers value with a strong Return-on-Investment (ROI)

Since our founding in 1983 Hetronic has become the industry leader in safety radio remote controls with over 400,000 systems delivered to a broad range of customers. Continuous improvement of our products, lean manufacturing processes, automotive level Quality Management Systems (QMS) in combination with global technical sales and voice of the customer (VOC) research activities are the basis for providing outstanding value to our customers and shareholders alike.

Hetronic's Locomotive Remote Control products are designed to AAR standards and tested to FRA requirements. Each and every wireless Remote Control Locomotive (RCL) system is designed with a wide range of "plug and play" features that provide customers the ability to select what they need for their Yard, Short-Haul or Class 1 application.



**WE'RE NOT JUST CREATING REMOTE CONTROLS.
WE'RE CREATING A SAFER WORKPLACE.**



All-in-One Remote Control Locomotive (RCL) System



AAR AND FRA COMPLAINT



Announcing the all-in-one remote control locomotive (RCL) system – the first complete and portable RCL system on the market.

Developed to meet the needs of locomotive operators, the system is composed of our modular all-in-one Locomotive Control Unit (LCU) that is capable of controlling locomotives in yard, short-haul or Class 1 applications; the wireless Operator Control Units (OCU) can be custom configured to provide reliable continuous data transmission for the ultimate in safe operation.

Using the latest in electronic and pneumatic design and technology, the Hetronic RCL provides greater flexibility to fit your application needs and maximize your ROI. Each LCU is capable of providing integrated electronic/pneumatic control, speed control, safety alerts, diagnostics and a wide range of feature-functions that rail industry professional's demand.



Nova NG 4.3

Operator Control Unit (Transmitter)

Hetronic's Radio Remote Control Systems have been field proven for over 35 years, with over 400,000 delivered units in a wide range of industrial and heavy duty process control applications. Each Locomotive Radio Remote control system is designed to our customer's specifications and application needs. Ergonomically designed, lightweight transmitters take into account the operators natural hand position and together with ease-of-use controls protect against repetitive motion injuries.

OCU Features and Options

- Customized OCU controls
- Speed Control
- Directional Control
- Sand Control
- Wheel Slip Indication
- Bell, Horn, Strobe light control capable
- 2nd transmitter OCU
- PCS/Engine Alarm
- EStop on Locomotive
- Headlight Control
- Customizable Vigilance/Alerter timer
- Locomotive Brake Application & Release Control
- Safety interlocking when multiple OCU's are used
- Optional OCU Real-Time Video Feedback
- Optional Extended range with Repeater(s)



Nova XL

CONFIGURABLE OPTIONS

BASE LOCOMOTIVE CONTROL PANEL SOFTWARE:

- Pneumatic Control: Horn, Bell, Ind. Brake, Train Brake, Actuating pipe, Main Reservoir Supply Input
- MU Plug functions
- 70 Pole Plug for non-MU functions
- Control RF: Adjustable 420-470MHz
- RF Channel sharing with up to 10 OCU's, 5 LCU's, and 3 Repeater stations

- Manual Notch Control or Notch Speed Control with Wheel Sensors
- Data Log to microSD card (72 hrs)
- Man-Down Capable (see options)
- Encrypted TDMA RF communications
- Pitch & Catch

MCU WIRED OPTIONS:

- Man-Down Radio Announcement
- Extended Range with Repeaters
- Battery Back-Up for Repeaters

RCL System

FEATURES

- Complete Radio Remote Control Solution: LCU Control Panel, Operator Control Units (OCU), Strobe light, Cables, Hoses.
- Hetronic offers two estop junction boxes as standard with our preconfigured systems.
- Electric Bell, High performance RF Filtering (optional).
- Follows AAR Directives and is FRA Test Compliant.
- Portable systems install in less than 25 minutes; hardwired systems available.
- Visual and Audio Notification Safety System.
- Reliable speed control with optional wheel sensors.
- Rugged IP65 rated Construction.
- Diagnostic Display.
- Maximizes ROI, Cost Effective.
- Professional Field Measurements to Optimize Communication and Feedback on Request.
- Solar Powered Pole Mounted Repeater (PMR) (option).



LCU Control Panel

Repeater with Battery Back-up

hetronic.com