



HAZARDOUS LOCATION SOLUTIONS

OIL & GAS

Connect & Control products certified for
Class 1, Zone 2 / Division 2 areas

- +COMPONENTS
- +TECHNOLOGY
- +APPLICATION

SAFE, SIMPLE & SCALABLE SOLUTIONS FOR OIL & GAS FACILITIES

WIELAND meets the needs of facility designers, constructors and operators of oil and gas facilities with a comprehensive systems of **control & connect** products that provide low-voltage (up to 600 V) solutions inside and outside the cabinet. All products are robust, efficient, and certified to Class I, Zone 2 / Division 2 standards for North America.

Inside cabinets, specify WIELAND **DIN-rail** components for power distribution and instrumentation & control signals. Use standard enclosures and wiring methods instead of bulky explosion-proof or expensive EX rated enclosures, such as: **non-incendive barriers** (D&A); E/M **relays** & SSR relays; switch-mode **power supplies**; and **terminal blocks** with three clamping technologies – screw (WK), spring (WKF) and push-in (WTP).

The next-gen **REVOS**[®]HAZLOC multipole connectors are available in a variety of housing sizes and densities, with extreme cold temperature ratings, suitability for flexible or armored cables, and resistance to the caustic and corrosive environs of oil and gas facilities. The **new XT** insert simplifies wiring & trouble-shooting in the field. The improved screw-locking clamp method ensures protection for inserts and housings from mechanical stress, and has IP67 / Type 6 protection from ingress of moisture and mud.

GESIS[®]HAZLOC circular heavy-duty connectors, in 20 A and 30 A, provide pluggability from your JBs and distribution hubs to your field devices. In addition to the high protection rating of IP66, 68 / Type 6P, color inserts with mechanical coding allow easy signal grouping and isolation.

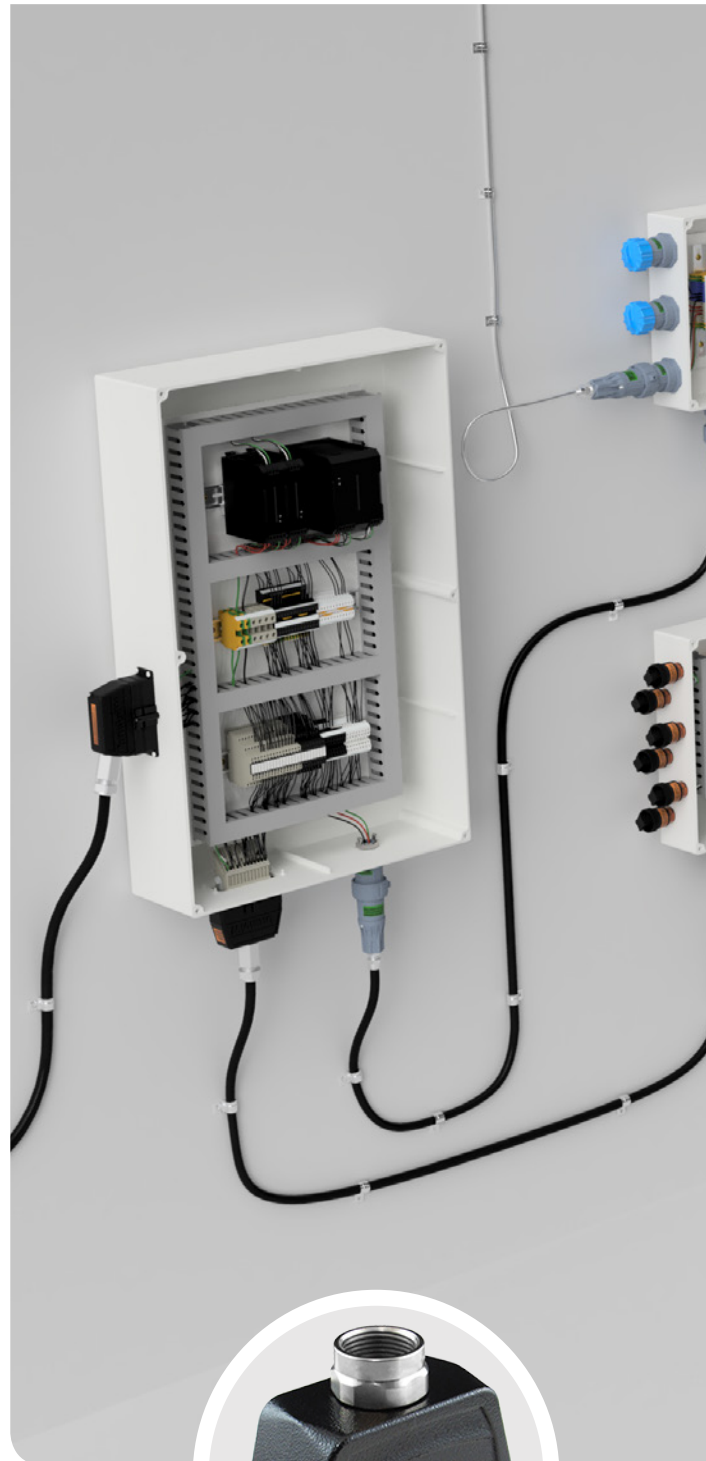
Class 1, Zone 2 / Division 2

All connectors and components are certified to North American standards for use in Class 1, Zone 2 / Division 2 hazardous environments. Terminal blocks are further rated for use in Class 1, Zone 1 / Division 1 areas. For detailed rating information please contact technical.support@wieland-electric.com.



SYSTEM FEATURES

- ▶ **Tested and certified to industry requirements for safety & reliability**
- ▶ **Modular Design compliant products**
- ▶ **Prefabrication friendly products system**
- ▶ **Cost, resource, and time efficient**
- ▶ **Easily integrated with existing systems designs**



REVOS[®]HAZLOC

Heavy duty rectangular multipole connectors with exceptional IP protection and rugged enclosures. Modular design that simplifies low-voltage wiring needs **from master controller to distribution boxes** for power, instrumentation, and control.



GESIS®HAZLOC

Heavy duty circular multipole connectors with exceptional IP and rugged enclosures. Modular design that simplifies low-voltage wiring needs **from master controller to distribution boxes** for Instrumentation, Control & Electrical (I,C,E).



DIN Rail Electronics & Terminal Blocks

Terminate, Control & Condition I,C,E wiring inside master controllers, JB's and field devices. The **NEW ASD non-incendive barrier** handles analog and discrete signals automatically from one single device.

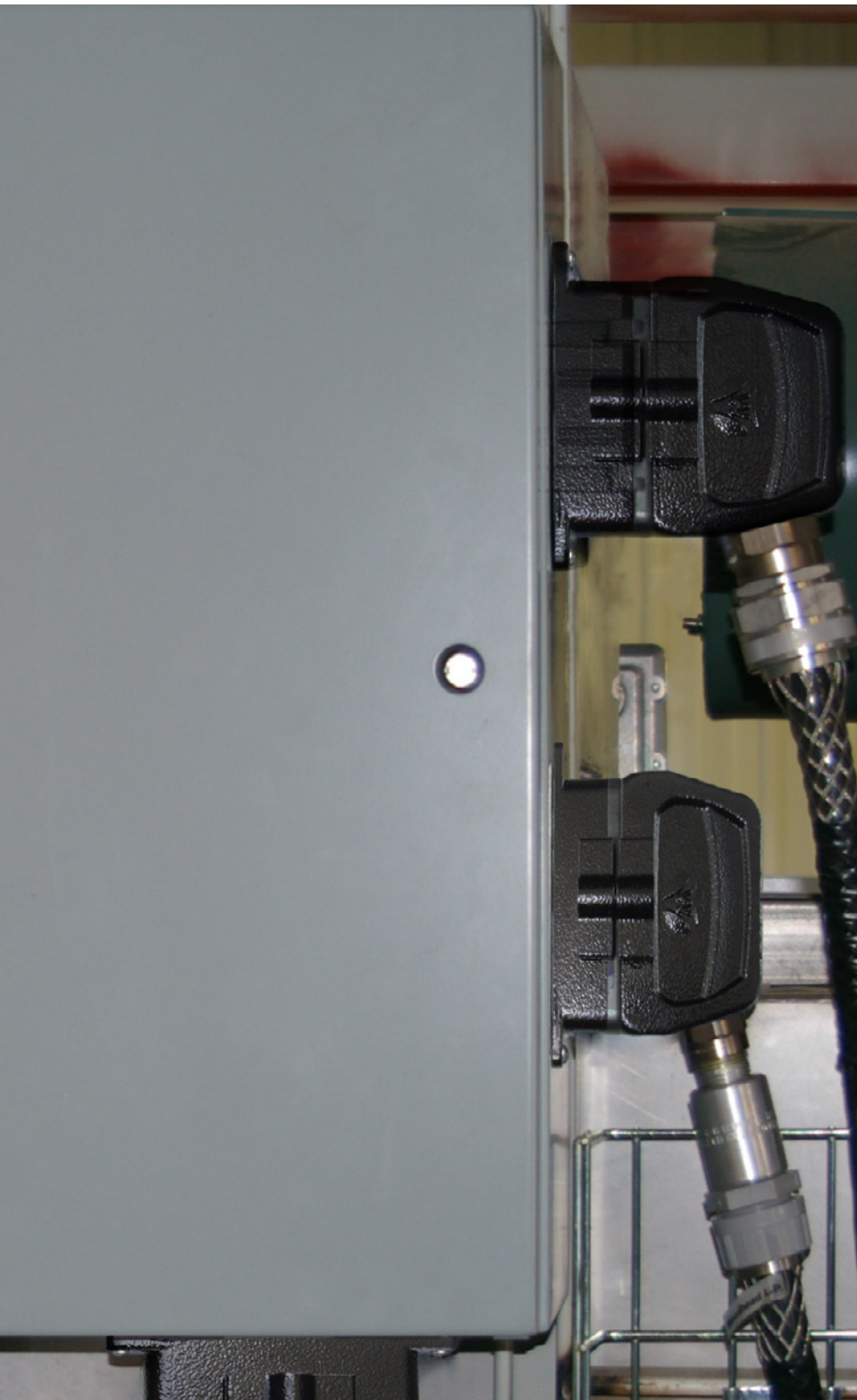


NEW

Engineered Solutions

REVOS®COAX, developed in response to an industry pain point, is now the standard to connect MI cable heat tracing systems in hazardous areas. What can we develop for your unique need?

MASTER CONTROLLER CABINETS



CHALLENGES

- Class 1, Zone 2 / Division 2 certification of all components
- Adoption of low-voltage I,C,E systems to modular designs
- Flexible cable type: Armoured or Tray
- Corrosive environment
- Fast, easy and safe installation



SOLUTIONS

- Class 1, Zone 2 / Division 2 certified products
- **REVOS**®HAZLOC multipole power connectors for 16A to 82A, 600V, and prefabricated components
- 48-pole to 2-pole wiring fits 20 AWG to 4 AWG
- Special plating, corrosion and UV resistant
- Pluggable, screw-lock system, with IP67 / Type 6 protection



ADVANTAGES

- Safe and durable components specific to hazardous locations
- Cost, resource and time efficient over the entire facility life cycle
- Prefabricated components for added value

DIN rail hazloc products, such as relays, non-incendive barriers and terminal blocks manage & condition the I,C,E wiring inside master controller cabinets. The **REVOS**®HAZLOC connector family of rugged, pluggable products can feed the cables to the field junction boxes and devices in a centralized or decentralized design model.

FIELD DISTRIBUTION + JUNCTION BOXES



CHALLENGES

- Class 1, Zone 2 / Division 2 certification of all components
- Adoption of low-voltage I,C,E systems to modular designs
- Prevent mis-connection of circuits
- Corrosive environment
- Fast, easy and safe installation



SOLUTIONS

- Class 1, Zone 2 / Division 2 certified products
- **GESIS**[®]HAZLOC 2 to 5-pole connectors for up to 30A, 600V, for offsite integration to devices
- Color & mechanical coding prevents mis-connections
- Special plating, corrosion and UV resistant
- Pluggable, double-lock system, with IP66,68 / Type 6 protection

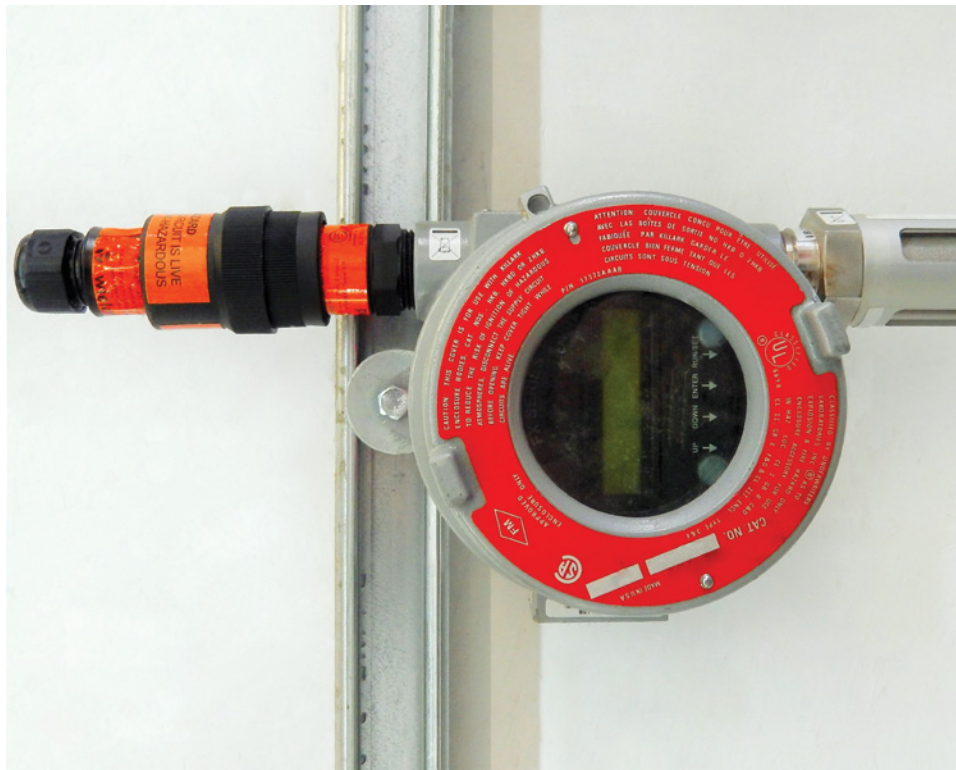


ADVANTAGES

- Safe and durable components specific to hazardous locations
- Cost, resource and time efficient over the entire facility life cycle
- Connectors integrated to cables & enclosures, prefabricated offsite

REVOS[®]HAZLOC and **GESIS**[®]HAZLOC connectors are easily attached to I,C,E junction boxes to allow prefabrication and pluggable, time-saving field installation. With standardized interfaces, this safe, robust and flexible system can be adjusted to the site facility's future requirements. Factory integration to JB's and distribution components is available.

DEVICE CONNECTIONS



CHALLENGES

- Class 1, Zone 2 / Division 2 certification of all components
- Adoption of low-voltage I,C,E systems to modular designs
- Prevent mis-connection of circuits
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SOLUTIONS

- Class 1, Zone 2 / Division 2 certified products
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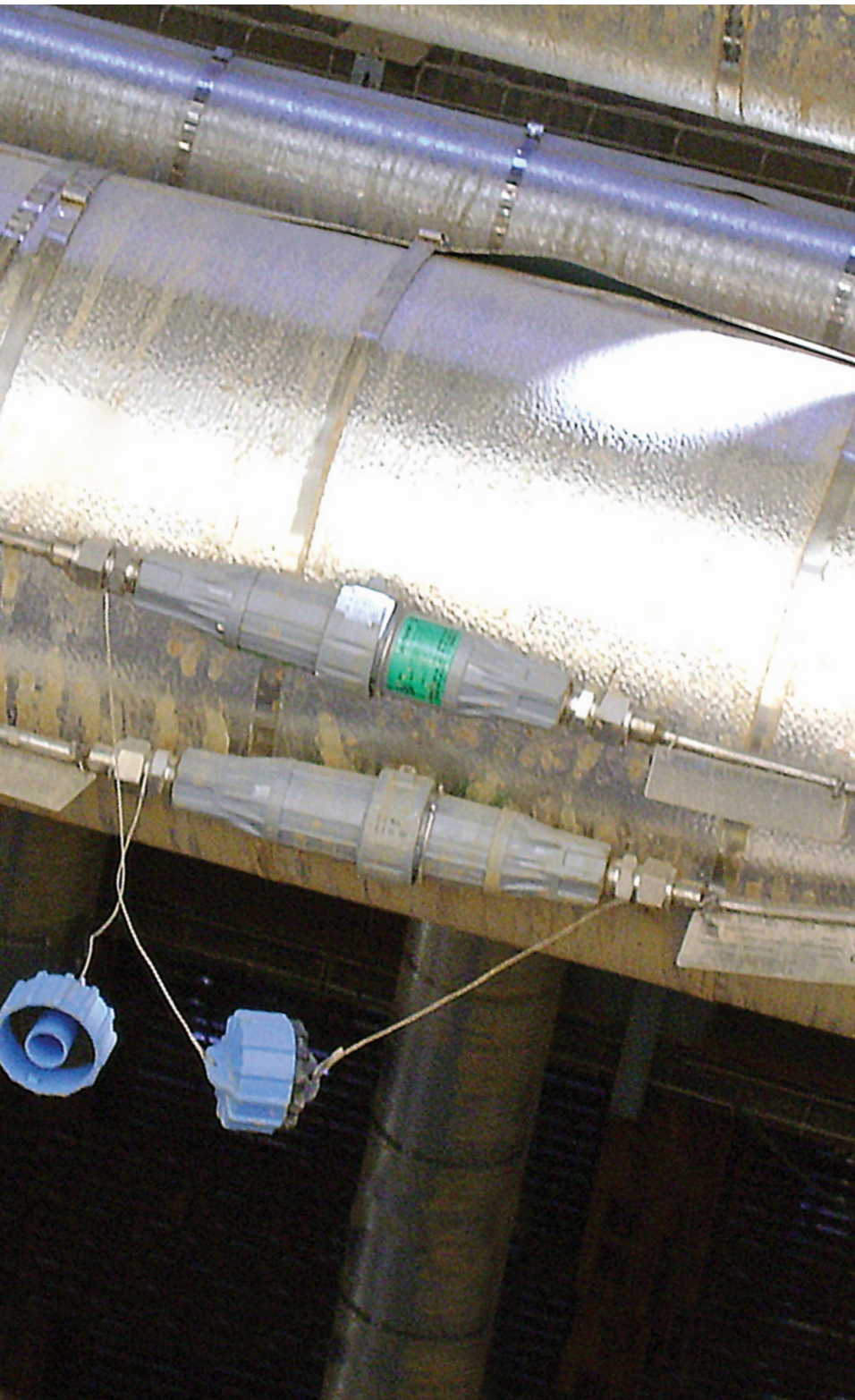


ADVANTAGES

- Safe and durable components specific to hazardous locations
- Cost, resource and time efficient over the entire facility life cycle
- Pre-fabricated components for added value

GESIS[®]HAZLOC connectors easily integrate with existing I,C,E devices providing the option to prefabricate light fixtures, RTDs, and other devices for a fully pluggable system. Quickly disconnect for fast change-outs that reduce downtime. Factory integration of connectors to devices is easy and no customization of the device is required!

SPECIAL APPLICATIONS



CHALLENGES

- Class 1, Zone 2 / Division 2 certification of all components
- Modular design of EHT MI heating system
- Reduce overall labor and cost of the EHT MI installations
- Corrosive environment
- Fast, easy and safe installation



SOLUTIONS

- Class 1, Zone 2 / Division 2 certified products
- **REVOS**®COAX connectors in 1/2" and 3/4" hub sizes & 1" KO panel mount creates the modular EHT system
- Pluggable, prefabrication friendly for construction, & field-maintainable for operations
- Special plating, corrosion and UV resistant, and -50°C ambient rated
- Field proven, tamper resistant, with IP67 / Type 6 protection



ADVANTAGES

- Safe and durable components designed for oil & gas facilities
- Cost, resource and time efficient, reducing cost by more than 40% over the EHT system life cycle
- Simple factory integration of components with existing EHT system

REVOS®COAX products provide the engineered solution that heat trace system designers, installers and maintenance personnel require. Ensures safety, longevity, and cost savings while simply integrating with the existing EHT MI system. WIELAND works to provide specialized industry solutions with over 20+ years of oil & gas industry expertise. Tell us about your next project.



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