

Solutions for Oil and Gas



Weidmüller 

From the control room to the field.

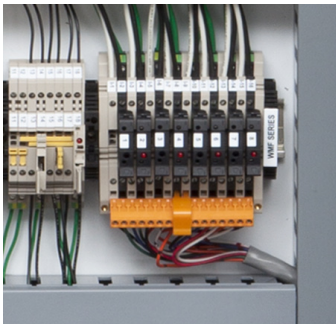


Field wiring for hazardous areas

Weidmuller offers stainless steel and mild steel enclosures, assembled and certified according to your specific requirements. These include enclosures for increased safety signal circuits and power transmission. Agency approvals supported include Ex, IECEx, UL, CSA, and IP 66 (NEMA 4/4X) ratings.

Surge protection for signal circuits

Weidmuller provides facility protection to minimize plant downtime caused by surge or overvoltage conditions. Our surge protection devices are designed for applications that are close to the process as well as those in the field or the control room.



Marshalling, interface units and system cabling for control systems

Weidmuller marshalling solutions provide efficient connection, isolation, conversion and protection of field signals to the control system.

Electrical cabinet systems

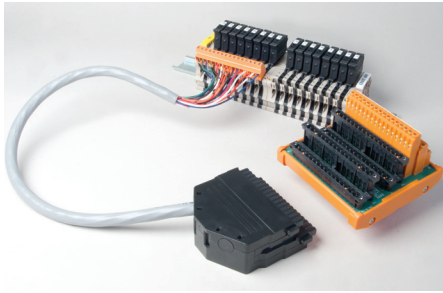
From signal conditioners to Ethernet switches to terminal blocks and power supplies, Weidmuller offers the expertise and a full range of reliable components for your hazardous area control cabinets.

Power delivery systems for high availability

Weidmuller power supplies offer the most varied solutions to meet your hazardous environment requirements for the continuous availability of required power supply. These include units to provide simple parallel connectivity to increase the output power, diode modules to build redundant circuits, capacitor modules for additional, short-term power requirements in peak currents and DC/DC converters for galvanic isolation and handling of system voltages.

Let's Connect

Marshalling Solutions



Reduce the cost of estimating, commissioning, and maintaining your control system by as much as 35%

Weidmuller offers an easy solution to marshal your control system. This marshalling system features:

A range of interface modules designed to greatly reduce cabinet space. These include digital and analog versions with LEFT or RIGHT side cabinet wiring options.

Assembled marshalling cables in several standard lengths including:

- 1.5 meter
- 2 meter
- 5 meter
- 10 meter
- 15 meter
- 20 meter

These cables feature ends terminated with ferrules (flying leads), 5.08mm (BLZ) connectors or Weidmuller's Clamshell connectors. All connections and wires are identified and labeled.

New pluggable terminal blocks. The WMF series pluggable blocks accept a 5.08mm (BLZ) or Clamshell connector, without the need to land each individual wire. Available features include fusing, disconnects, integrated ground (PE) connections and feed through versions. They offer up to 55% savings in rail space versus traditional terminal block technology.

Using these components, almost any combination of discrete or analog signals can be marshalled or wired regardless of the PLC, DCS or other control system.

Hazardous Locations



iS Protection and Signal Conversion

Intrinsically safe signal conditioners for Ex Class/Zone applications save panel space and reduce system downtime while protecting devices and controls.

Weidmuller's ACT20X modules can standardize signals, reducing the need for specialized and costly I/O cards. They are designed for use with tank pressure and level transmitters, pipeline flow transmitters, proportional valve positioning and cathodic protection monitoring.

- Protect, isolate and pass HART input and output signals transparently
- Energy limiting protection and isolation of control signals in hazardous locations
- Loop splitter provides dual monitoring for custody transfer, chart recording or alarm conditions
- Convert temperature signals (RTDs, TCs) to standard analog signals



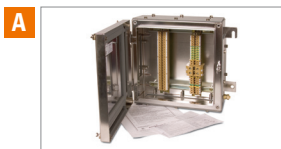
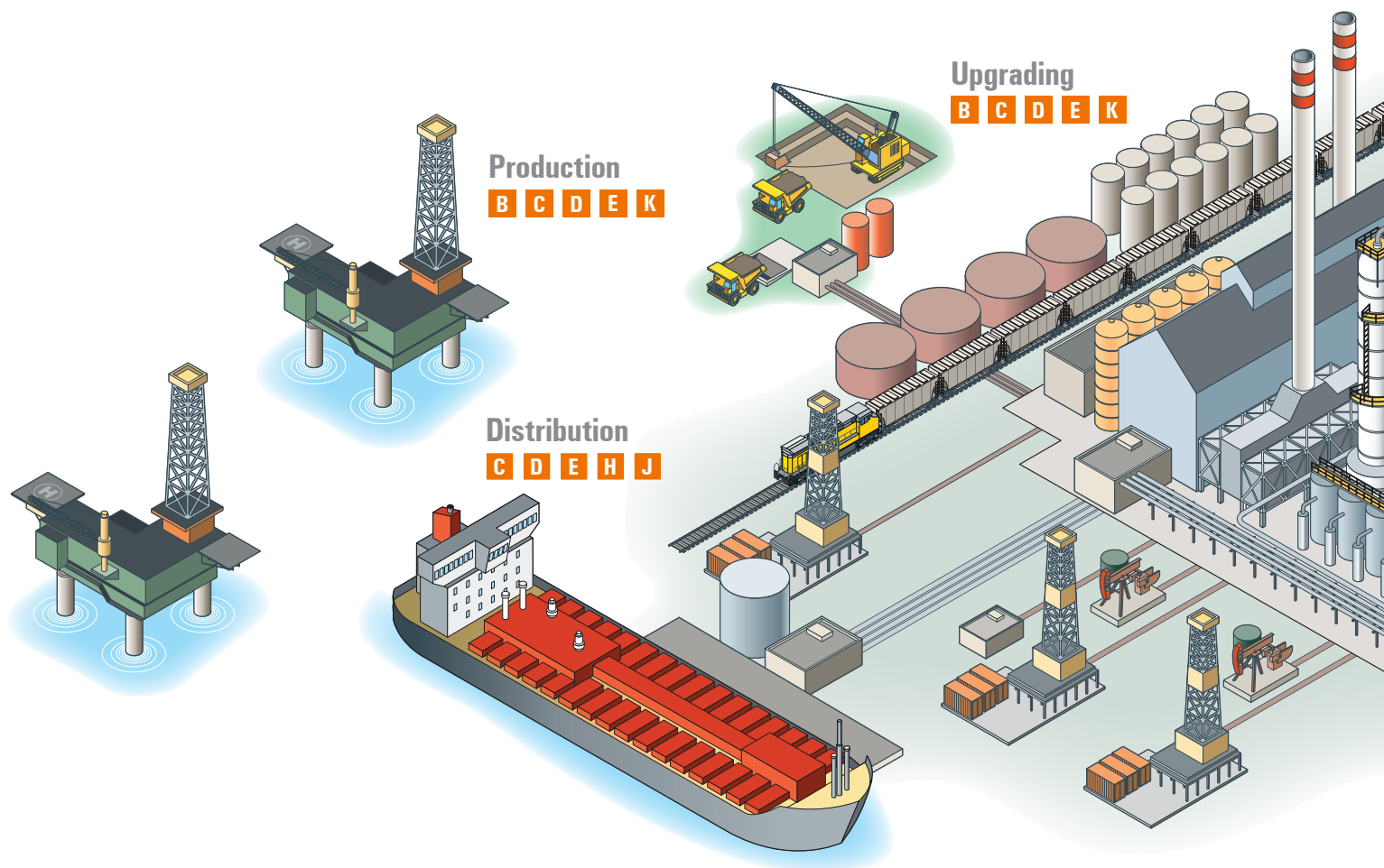
Redundant power solutions for high availability of critical control applications

Weidmuller Class 1 Division 2/Zone 2 compact power supplies provide a redundant high power solution for applications that require extended temperature ranges from -25°C to +70°C.

They are designed for:

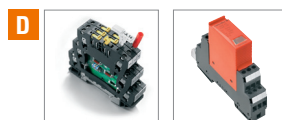
- Emergency shutdown systems
- Critical control systems
- SIL applications
- Monitoring systems that are required by law
- Alarm systems





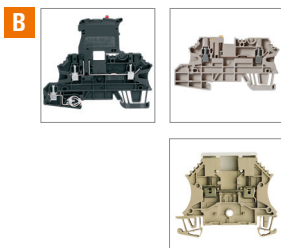
Junction Boxes

- Junction box assemblies for hazardous areas
- ATEX, IECEx, UL Ex approvals; IP 66 (NEMA 4/4X) rated
- In either stainless or mild steel



Surge and Lightning Protection

- For signals and power
- Space saving and high wire density with 6mm width
- For use in hazardous locations requiring ATEX certification



Terminal Blocks

- Fast and reliable screw, tension, or Push-In connections
- Outstanding shock and vibration resistance
- Compact size with wide clamping range



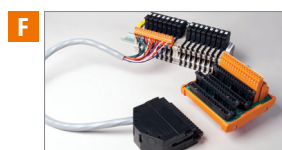
Circuit Protection

- Class I, II and III control and instrumentation circuit protection
- Thermal, hydraulic and electronic protectors
- AC and DC overcurrent protection
- Remote on/off or reset options



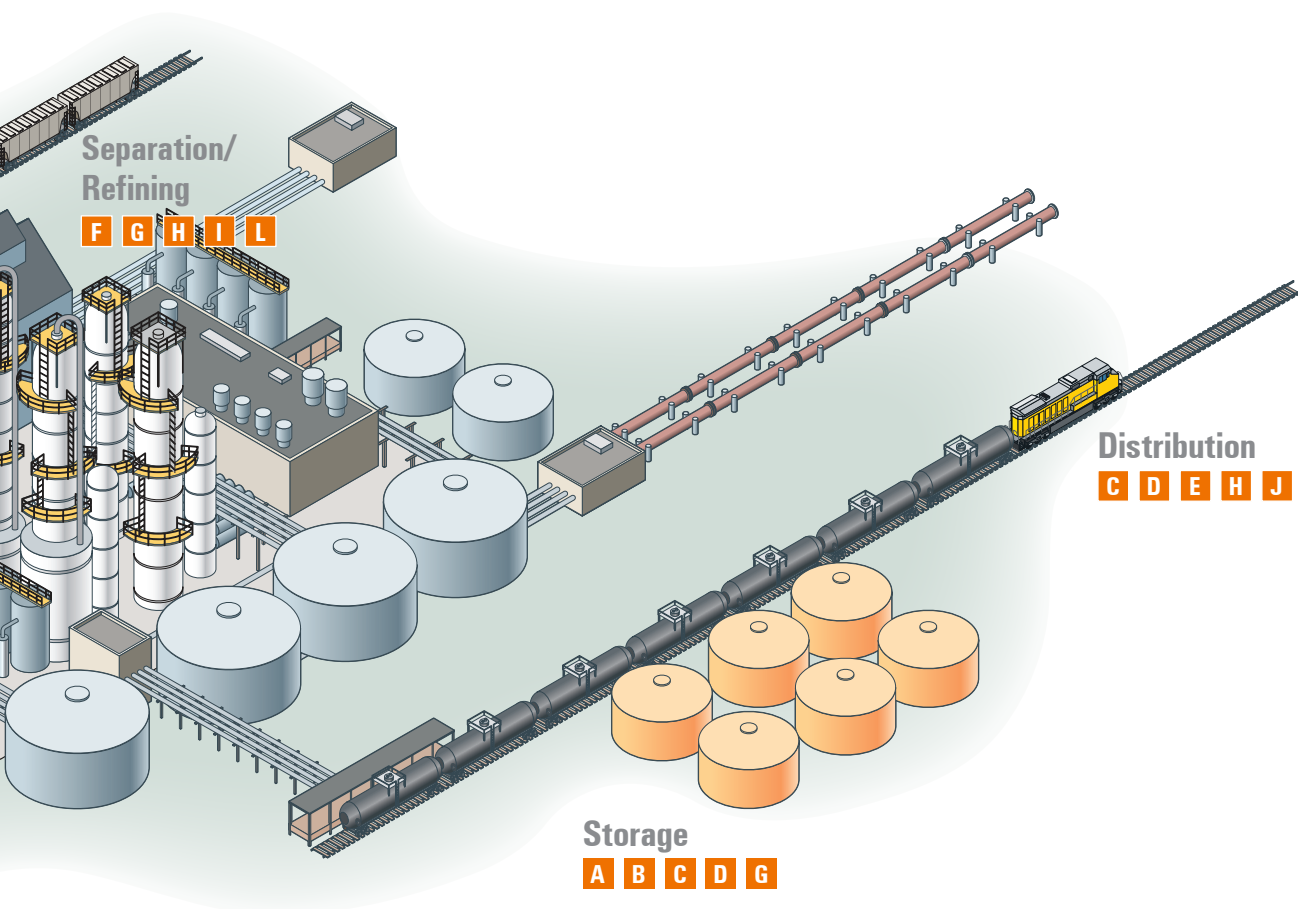
Wireless Communications and Monitoring

- Monitor or control entire network
- Wireless Ethernet (900MHz, 2.4 GHz [WiFi], 5.8GHz)
- Wireless I/O, up to 20 mile range
- UL and CSA Class 1 Division 2 approved



Marshalling Solutions

- Multi-functional block with fuse, disconnect, PE, pluggable options
- Compact terminal blocks for high wiring density
- Connecting cables to a DCS, PLC or other control systems



Signal Isolation and Conditioning

- All sensor inputs / all common outputs
- Hazardous approvals including UL, Ex isolating barriers (IS)
- 2, 3 and 4 wire models



Industrial Ethernet

- Unmanaged, managed and PoE switches
- Media converters, Comm servers and routers
- RJ45 connectors, connecting and patch cables
- UL and CSA Class 1 Division 2 approved



Intrinsic Safety

- Isolated digital barriers convert and isolate signals
- Suitable for -4° F to 140° F (-20° C to 60° C) Div. 2 or Zone 2 locations
- Isolation for analog and digital sensors or devices



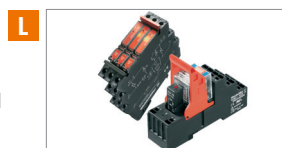
Printing/Marking Systems

- Printing systems
- Markers for terminals, wires, cables and devices



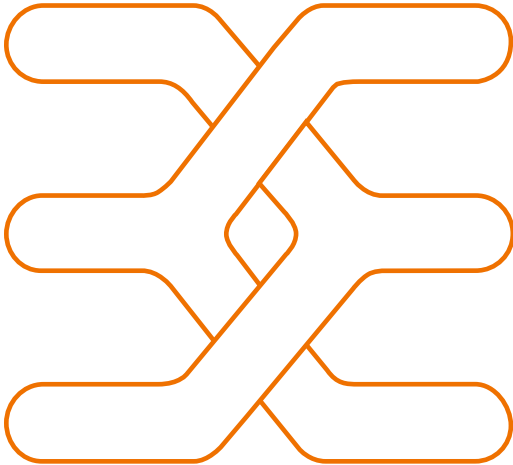
Power Supplies and UPS

- AC and DC input voltages
- Redundancy modules
- UL and CSA Class 1 Division 2 approved
- Battery backup and standby power
- DC/DC Converters



Mechanical and Solid State Relays

- Multi voltage inputs 24V to 230V
- CSA, UL Class 1 Division 2 approved
- 1 phase and 3 phase power relays
- Timers, installation and multi-function



Weidmuller is the leading manufacturer of components for electrical connection technology to transmit energy, signals and data. The Weidmuller product portfolio ranges from terminal blocks, PCB connectors and terminals, protected components, Industrial Ethernet components, I/O components and relay sockets to power supplies and over-voltage protection modules suitable for all applications. Assemble Services, marking solutions with a variety of tools and software systems, round off the range. As an OEM supplier, the company sets global standards in the field of electrical connection technology.



VTL TECH CO., LTD.

SOLUTIONS PROVIDER FOR INDUSTRIES

3Brd Floor, Scetpa Building, 19A Cong Hoa St., Ward 12,
Tan Binh District, Ho Chi Minh City, Vietnam
Tel: (028) 3811 0510 / 11, Email: info@vlttech.com.vn
Fax: (028) 3811 0512 Website: www.vlttech.com.vn

Weidmuller, Canada

10 Spy Court
Markham, Ontario L3R 5H6
Telephone: (800) 268-4080
Facsimile: (877) 300-5635
Email: info1@weidmuller.ca
Website: www.weidmuller.ca

Weidmuller, Mexico

Blvd. Hermanos Serdán 698,
Col. San Rafael Oriente
Puebla, Puebla, Mexico
C.P. 72029
Telephone: 01 222 2686267
Facsimile: 01 222 2686219
Email: clientes@weidmuller.com.mx
Website: www.weidmuller.com.mx

Weidmuller, United States

821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Facsimile: (804) 379-2593
Email: info@weidmuller.com
Website: www.weidmuller.com

