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AMPRPEMCO



AMR PEMCO

ABOUT US

In 1975, Robert (Bob) Graf founded American Mine Research, Inc. (AMR) to support the U.S. coal mining industry's need for enhanced safety and productivity through the development of the pilotless ground check monitor. Located in Rocky Gap, VA, AMR has since sold over 50,000 circuits of the pilotless monitor throughout the world. Over the past 40+ years, AMR has continued to expand its product and service offerings to serve not only the U.S. coal mining industry, but also the metal/nonmetal mining, tunneling, quarry/aggregates, oil and gas, water/wastewater, aquaculture and general industries across the globe. Where required, AMR's monitoring, control and communications products are US and internationally approved, and always designed with the mindset of the ground monitor's original charge: improve our customer's operational safety, productivity and efficiency.

In November of 2016, AMR acquired the PEMCO Corporation, located in nearby Bluefield, VA. Founded in 1960 and a longtime customer of AMR, PEMCO began by manufacturing DC power supplies, rectifiers, and AC/DC products for the U.S. coal mining industry. PEMCO built a reputation of electrical excellence in the coal industry, and similar to AMR, diversified into the metal/nonmetal mining, oil and gas, utility, power generation, transit, and nuclear industries. Over the years, AMR and PEMCO developed a solid relationship, with AMR supplying its ground monitors, electronic circuit breakers and remote racking systems for use in PEMCO's mining power centers. Since its inception, PEMCO has and continues to be known for its reliable, robust and custom electrical solutions.

Further supporting AMR PEMCO, the Graf Family owns East River Metals, Inc. (ERM) and Custom Manufacturing, Inc. (CMS), located in Rocky Gap, VA and Princeton, WV, respectively. CMS and ERM (www.cmserm.com) provide precision sheet metal fabrication and turnkey electro-mechanical assembly services to AMR PEMCO as well as to a wide variety of Original Equipment Manufacturers (OEM's) across North America. Industries in which CMS/ERM's customers operate include: home and commercial appliance, power distribution, heating and cooling, mining, medical, oil and gas, fitness, and data centers. CMS and ERM operate from three facilities collectively totaling over 150,000 sq. ft. of office, manufacturing, and warehouse space.

OUR LOCATIONS



AMR PEMCO Head Office - Rocky Gap, VA
PO Box 234 12187 N Scenic Highway Rocky Gap, VA 24366



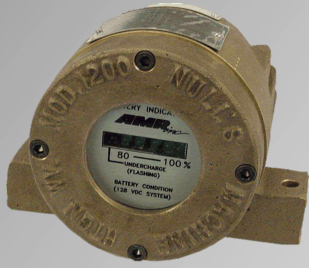
AMR PEMCO Bluefield Facility - Bluefield, VA
1960 Valley Dale Street Bluefield, VA 24605-9454



CMS # 1 - Princeton, WV
142 Brick St Princeton, WV 24740



CMS # 2 - Princeton, WV
400 Rogers St Princeton WV, 24740



AMR PEMCO

INDUSTRY SOLUTIONS



UNDERGROUND & SURFACE MINING



Products

- ▶ Atmospheric Monitoring
- ▶ Automation Services
- ▶ Battery Indicators
- ▶ Cable Fault Detector
- ▶ Collision Avoidance
- ▶ Dry-Type Transformers
- ▶ E-Houses & Control Buildings
- ▶ Electrical Distribution Equipment
- ▶ Electronic Circuit Breakers
- ▶ Ground Check Monitors
- ▶ Mine Net Mesh Wi-Fi Systems
- ▶ Mine Net RFID Systems
- ▶ Remote Racking Systems
- ▶ Remote Telemetry
- ▶ Speed Sensors
- ▶ Tip Switches

AMR PEMCO has supported the global metal and non-metal mining sector industry for nearly six decades with electrical ground check/ground fault monitoring, power centers, electronic circuit breakers, mine wide atmospheric monitoring systems, wireless communications, asset and personnel tracking solutions, and a variety of monitoring and control solutions. Our breakers, atmospheric monitoring, IEEE 802.11 Wi-Fi communications, asset and personnel tracking, and collision avoidance solutions, combined with a wide variety of sensors, not only increase safety, efficiency and productivity, but assist any operation to achieve its goals.

Our founder, Bob Graf, pioneered the development of the world's first pilotless, or commonly known as continuity-type, ground check monitor. AMR PEMCO has sold over 50,000 monitors and offers a complete suite of low-to-high voltage impedance style and continuity ground check / ground fault monitors. AMR PEMCO also manufactures electronic circuit breakers, which replace traditional molded case circuit breakers in order to significantly reduce arc flash exposure and improve operational efficiency. Combined with AMR PEMCO's patented Remote Racking System (RRS), our CB line reduces the troubleshooting of faults to a matter of minutes.

Most people in the mining industry know PEMCO's brand of electrical distribution equipment, and AMR PEMCO continues that tradition of quality and reliability. Offering power centers up to 34.5 KV, or 10MVA, we specialize not only in standard applications, but in low profile, slim line, and other engineering challenges that others turn away. Our in-house dry-type transformer manufacturing allows us to design for any environment. In addition to skid-mounted power centers, portable load centers, and power distribution panels, we offer industrial control buildings (ICB's) such as e-Houses, data centers, and motor control centers (MCC's) with options for variable frequency drives (VFD's).



AGGREGATES



Products

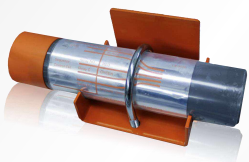
- ▶ Automation Services
- ▶ Collision Avoidance
- ▶ Control Panels
- ▶ Dry-Type Transformers
- ▶ E-Houses & Control Buildings
- ▶ Electrical Distribution Equipment
- ▶ Electrical Ground Monitors
- ▶ Electronic Circuit Breakers
- ▶ Remote Racking Systems
- ▶ Remote Telemetry
- ▶ Speed Sensors
- ▶ Tip Switches

AMR PEMCO offers decades of mining knowledge and experience to pit, quarry and aggregate operations. We offer a variety of products and services industry: electrical ground check / ground fault monitors, SCADA systems integration, and collision avoidance solutions, speed and level sensors, all of which provide increased safety, efficiency, and productivity for any size operation.

Additional solutions that we offer utilize high-speed data communications and PLC controls to provide real-time sensor data with access to information from multiple computers including remote locations through radio, cellular, satellite, or Internet. Common applications include primary and secondary crushing, tertiary crushing, water pumps, and even pug mills.

In 2016 AMR acquired the PEMCO Corporation, and we continue its tradition of quality and reliability for electrical distribution equipment and industrial control buildings (ICB's). Our capabilities include power centers up to 34.5 KV, or 10MVA, not only in standard applications, but also low profile, slim line, or other engineering projects that others might turn away. Our in-house dry-type transformer manufacturing allows us to design for any environment. In addition to skid-mounted power centers, portable load centers, and power distribution panels, we offer custom engineered e-Houses, motor control centers (MCC's), and other types of electrical control buildings with options for any brand of equipment, variable frequency drives (VFD's), instrumentation, etc.

In addition to our own products, we partner with other groups to provide value-added solutions and work with most popular manufacturers equipment. We have completed dozens of projects, and are recognized as an Rockwell® Authorized System Integrator, Wonderware InTouch® Authorized System Integrator, and Inductive Automation® Certified Integrator for their Ignition HMI suite.



AQUACULTURE



AMR PEMCO's FISH-NET Monitoring System is an outdoor monitoring platform, which determines Dissolved Oxygen (DO) content and temperature levels in ponds, lakes, tanks, or other bodies of fresh and salt water. Capable of monitoring either a single body of water, or two (2) simultaneously, each FISH-NET Control Unit utilizes real-time DO and temperature data to control up to eight (8) outputs for aerators.

Employing wireless communications between floating buoy(s) and the nearby Control Unit, FISH-NET provides for easy and flexible installations and reliable communications. The Control Unit further offers wireless communications to our unique FISH-NET Software and Master Station. Located at the home or office, the Master Station allows users to remotely view the status of multiple ponds, store data for historical records or trending reports, and receive SMS or email alarm notifications, should values exceed the user-defined set points.

Simply put, whether you own a small, medium, or large aquaculture operation, FISH-NET will reduce operating costs, improve efficiency, and help maintain your ponds and fish.

Local and remote DO monitoring with aerator control
Large touch screen display for easy viewing in sunlight or from several feet away

Aerator status and important information available at the controller

Monitor up to two (2) ponds with one controller and two (2) buoys

Two (2) temperature sensors, ambient air and water, for improved accuracy and DO calibrations

DO sensor is mounted above the water for extended life
Single water sample pump with adjustable time rate (10 Minute Default)

Dual radios for controller-to-buoy and controller-to-master communications

Two aeration setpoints for customized schedules (Day, Night, etc.)

Sunshield included for improved display visibility
Optional battery backup for controller and buoys



AMRPEMCO

GENERAL INDUSTRY



Products

- ▶ Atmospheric Gas Monitoring
- ▶ Cable Fault Detector
- ▶ Collision Avoidance
- ▶ Control Panel Manufacturing
- ▶ Dry-Type Transformers
- ▶ E-Houses & Control Buildings
- ▶ Electrical Distribution Equipment
- ▶ Electrical Ground Monitors
- ▶ Electronic Circuit Breakers
- ▶ Mine Net Mesh Wi-Fi Systems
- ▶ Remote Racking Systems
- ▶ Remote Telemetry Units
- ▶ Speed Sensors
- ▶ Tip Switches

AMR PEMCO products and solutions cross many industrial boundaries. Our atmospheric gas monitoring, electronic circuit breakers, ground check / ground fault monitors, custom electrical distribution equipment, industrial control buildings (ICB's) such as e-Houses, IEEE 802.11 Wi-Fi communications, asset and personnel tracking, and collision avoidance solutions are designed to increase safety, efficiency and productivity while being flexible to meet any client's needs.

AMR PEMCO products also meet and exceed most regulatory requirements to provide mission critical data for any sized project. Common general industry applications include parking garages, underground storage facilities, steam tunnels, processing and manufacturing plants, warehouses, ocean marine vessels, and many others.

In 2016 AMR acquired the PEMCO Corporation, and we continue its tradition of quality and reliability for electrical distribution equipment and industrial control buildings (ICB's). Our capabilities include power centers up to 34.5 KV, or 10MVA, not only in standard applications, but also low profile, slim line, or other engineering projects that others might turn away. Our in-house dry-type transformer manufacturing allows us to design for any environment. In addition to skid-mounted power centers, portable load centers, and power distribution panels, we offer custom engineered e-Houses, motor control centers (MCC's), and other types of electrical control buildings with options for any brand of equipment, variable frequency drives (VFD's), instrumentation, etc.

In addition to our own products, we partner with other groups to provide value-added solutions and work with most popular manufacturers' equipment. We have completed dozens of projects, and are recognized as an Rockwell® Authorized System Integrator, Wonderware InTouch® Authorized System Integrator, and Inductive Automation® Certified Integrator for their Ignition HMI suite.

OIL & GAS



Products

- ▶ Automation Services
- ▶ Control Panel Manufacturing
- ▶ E-Houses & Measurement Buildings
- ▶ Electrical Distribution Equipment
- ▶ Electronic Circuit Breakers
- ▶ MC-6410 Multi Gas Monitors
- ▶ MC-6500-CH4 Methane Monitors
- ▶ Remote Telemetry Units

AMR PEMCO brings over 50 years' of technical knowledge and experience to Oil & Gas exploration, producers, pipeline operators, and midstream and upstream service providers to improve safety and operational efficiency. Our solutions meet and exceed regulatory requirements, and we offer total project management from engineering design through field service installations. Common applications include well sites, compressor stations, storage tanks, and production facilities.

In addition to our own line of methane, oxygen, hydrogen sulfide, and various other gas sensors, we are aligned with multiple partners such as Thermo Scientific, High Tide Technologies, and ABB to provide value-added solutions.

In 2016 AMR acquired the PEMCO Corporation, and we continue its tradition of quality and reliability for electrical distribution equipment and industrial control buildings (ICB's). Our capabilities include portable or permanent power centers, skids, buildings, and panels up to 34.5 KV, or 10MVA, as well as custom engineered gas measurement buildings, instrumentation buildings, e-Houses, motor control centers (MCC's), and other types of electrical control buildings. We are capable of working with any equipment or instrumentation brand to suit your requirements

AMR PEMCO is dedicated to providing customers with products that achieve results, improve employee safety, reduce operating costs and shorten downtime. Our domestic and international distributor network, combined with our highly trained sales, engineering, and service departments, are ready to assist customers around the clock.



POWER GENERATION & UTILITY



Products

- ▶ Control Panel Manufacturing
- ▶ Dry-Type Transformers
- ▶ E-Houses & Control Buildings



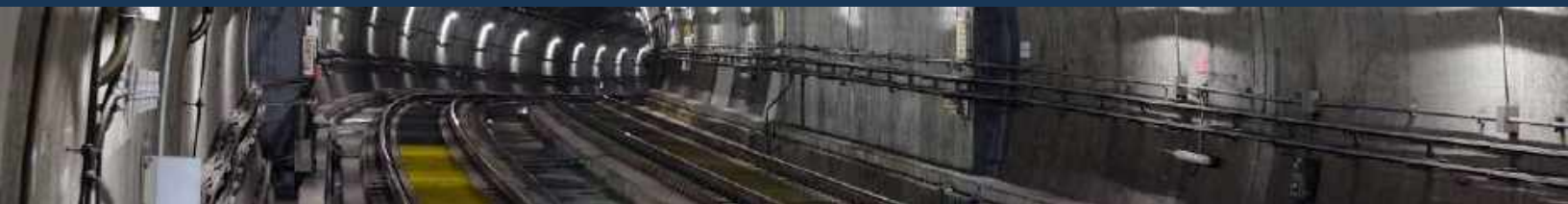
AMR PEMCO solutions have been serving the power generation industry for many years under the PEMCO Corporation name. In 2016 AMR acquired the PEMCO Corporation and we continue their tradition of quality and reliability for electrical distribution equipment and industrial control buildings (ICB's). Our capabilities include power centers up to 34.5 KV, or 10MVA, and overcoming engineering challenges that many other OEM's might turn away. Our in-house dry-type transformer manufacturing allows us to design for any application. In addition to skid-mounted power centers, portable load centers, and power distribution panels, we offer custom engineered e-Houses, motor control centers (MCC's), and other types of electrical control buildings, with options for any brand of equipment, variable frequency drives (VFD's), instrumentation, etc.

Our own brand of electronic circuit breakers, ground check / ground fault monitors, IEEE 802.11 Wi-Fi communications, asset and personnel tracking, and collision avoidance solutions are designed to increase safety, efficiency and productivity while being flexible to meet any client's needs.

Furthermore, to ensure quality craftsmanship of all control panels, our manufacturing facility is a Certified UL-508A Panel Shop, as well as ISO 9001-2015 certified. AMR PEMCO is dedicated to providing customers with products that achieve results, improve employee safety, reduce operating costs and shorten downtime. Our domestic and international distributor network, combined with our highly trained sales, engineering, and service departments, are ready to assist customers around the clock.



TRANSIT & TUNNELING



Products

- ▶ Collision Avoidance
- ▶ Dry-Type Transformers
- ▶ E-Houses & Control Buildings
- ▶ Electrical Distribution Equipment
- ▶ Electronic Circuit Breakers
- ▶ MC-6410 Multi Gas Monitors
- ▶ Mine Net Mesh Wi-Fi Systems
- ▶ Mine Net Tracking Systems
- ▶ Remote Telemetry Units

AMR PEMCO applies decades of underground mining experience to the transit and tunnel construction sector.

Our skid-mounted power centers, electronic circuit breakers, gas detection sensors, IEEE 802.11 Wi-Fi communications, asset and personnel tracking, and collision avoidance solutions not only increase safety, but improve efficiency and productivity as well.

With over 50,000 ground monitors sold worldwide, AMR PEMCO pioneered the world's first "pilotless", also known as continuity-type, ground check monitor in 1975. We also manufacture electronic circuit breakers, which replace traditional molded case circuit breakers and significantly reduce the risk of arc flash plus offer remote reset capabilities and other advanced features. Combined with AMR PEMCO's patented Remote Racking System (RRS), our CB line reduces the troubleshooting of faults to a matter of minutes.

If you are not familiar with the PEMCO Corp. brand of electrical distribution equipment, following the 2016 merger, AMR PEMCO continues its tradition of quality and reliability. Offering power centers up to 34.5 KV, or 10MVA, we specialize not only in standard applications, but in low profile, slim line, and in overcoming other engineering challenges that others reject. Our in-house, dry-type transformer manufacturing allows us to design for any environment. In addition to skid-mounted power centers, portable load centers, and power distribution panels, we offer industrial control buildings (ICB's) such as e-Houses, data centers, and motor control centers (MCC's) with options for variable frequency drives (VFD's) and other types of equipment.

AMR PEMCO is dedicated to providing customers with products that achieve results, improve employee safety, reduce operating costs and shorten downtime. Our domestic and international distributor network, combined with our highly trained sales, engineering, and service departments, are ready to assist customers around the clock.



AMRPEMCO

WATER & WASTEWATER



Products

- ▶ Control Panel Manufacturing
- ▶ E-Houses & Control Buildings
- ▶ SCADA Systems Integration

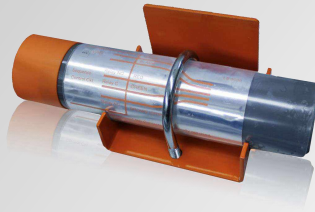


In 2002, AMR established AMR Aquamation as an automation group to provide SCADA, wireless telemetry, PLC panel building, and instrumentation integration services to water and wastewater facilities located in the states of Virginia, North Carolina, Tennessee and West Virginia.

Working with numerous product brands, we have completed dozens of projects since the group's inception and are now recognized as an Rockwell® Authorized System Integrator, Wonderware InTouch® Authorized System Integrator, and Inductive Automation® Certified Integrator for their Ignition HMI suite. To ensure quality craftsmanship of all our custom built control panels, our manufacturing facility is a Certified UL-508A Panel Shop as well as ISO 9001-2015 certified.

In 2016 AMR acquired the PEMCO Corporation and now operates under the name of AMR PEMCO. From this merger we continue the tradition of quality and reliability for electrical distribution equipment and industrial control buildings (ICB's). Our capabilities include power centers up to 34.5 KV, or 10MVA, in-house dry-type transformer manufacturing, power distribution panels, and custom engineered e-Houses, motor control centers (MCC's), and other types of electrical control buildings with options for any brand of equipment, variable frequency drives (VFD's), instrumentation, etc.

AMR Aquamation services focus on anything related to the SCADA, instrumentation, controls, and monitoring of a water/wastewater project. The extent of our scope of work depends entirely on the client and/or their engineering design firm, but we offer consultation and installation services from the initial planning stages all the way through final walk-through. We also offer continued maintenance plans and follow-up checks to any plant or municipality in our coverage area. At AMR PEMCO, we value our client relationships and provide support around the clock.



AMR PEMCO

PRODUCT SOLUTIONS



ATMOSPHERIC MONITORING

Since 1987, AMR PEMCO has provided the most flexible and reliable mine monitoring system available to the global mining market. Our systems optimize operations through real-time monitoring and control, allowing operators to pinpoint unsafe or hazardous areas, trend machinery data for preventative maintenance, and control devices remotely. AMR PEMCO's line of products have proven to be essential in operational control, providing high speed data communications with remotely located atmospheric sensors, and access to information from many locations including off-site terminals.

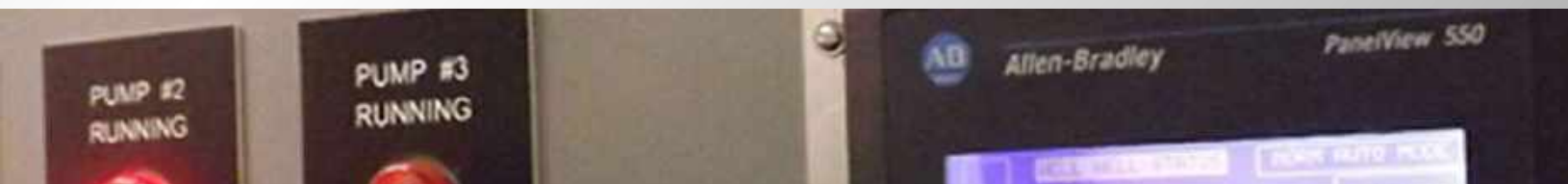
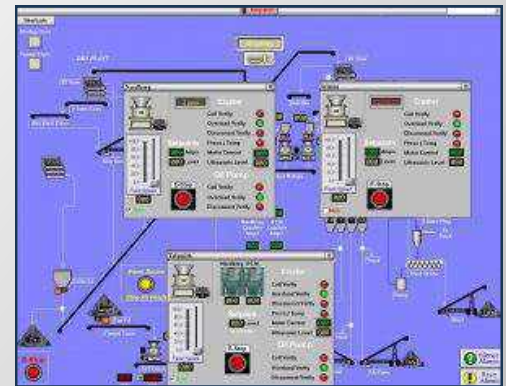


Mines have their choice of the standard MC-4000 System, which communicates over simple, but durable, twisted pair copper cable and uses RS-485 protocol; the MC-4000-ET System, which utilizes Modbus over Ethernet protocol on a fiber-optic backbone; or the Mine Net™ Mesh IEEE 802.11 Wi-Fi System, which utilizes a network of wireless access points and sensors.

For centralized control, AMR PEMCO offers various Human-Machine-Interface (HMI) software platforms including our own WinMAC Software, or popular suites from Rockwell, Inductive Automation, Wonderware, or Citect.

SCADA is an acronym for “Supervisory Control And Data Acquisition”, typically utilizing a computer system or logic controller for gathering and analyzing real time data then providing automated control. SCADA systems are commonly used to monitor and control a plant or facility in most industries. The system gathers information, such as the low level of a tank, transfers the information back to the central office and alerts the operator of the situation before carrying out necessary steps, such as determining if the level is critical and valves should be opened to re-fill the tank, as well as displays the information in a logical and organized fashion. SCADA systems can be relatively simple, or incredibly complex.

Our staff is experienced in working with a wide range of PLC systems, HMI software solutions, components, instruments and sensors from the top names in the business, manufacturing customized control panels, and we are available for new projects, system upgrades, or troubleshooting existing systems and automation schemes.

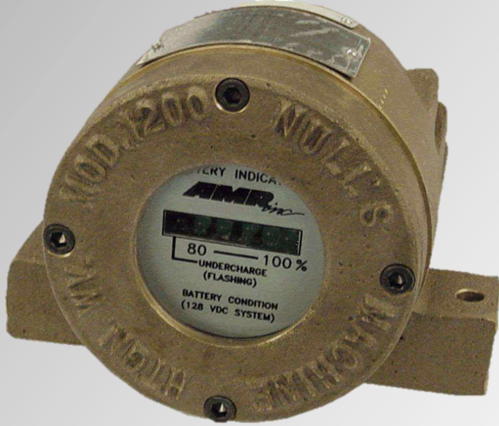


AUTOMATION SERVICES

BATTERY INDICATORS



AMR PEMCO's battery indicators are able to help reduce production downtime with our line of Battery Indicators. AMR PEMCO innovations offer reliable solutions to keep watch on your machine's batteries for improved preventative maintenance.



The BI-800 was developed by AMR PEMCO for the mining industry to satisfy the West Virginia Office of Miners' Health and Safety's laws that require this type of equipment. It is extremely easy to install and does not require a field modification of any explosion proof electrical enclosures.

The AMR PEMCO BI-850, Explosion Proof Battery Indicator keeps watch on your expensive machine batteries. The BI-850 will extend the life of your machine's batteries, and reduce production downtime due to failing equipment. It is housed in a rugged XP enclosure, and is intended for machine mount.

The CD-710 will locate shorts and opens in underground trailing cables quickly and precisely. Working as a cable problem solver, the CD-710 can cut cable downtime by 50%.

The CD-710 Cable Fault Detector is a portable system for easy identification of opens or shorts in exposed cable runs.

- Saves replacement cable
- Pinpoints problem in minutes without replacing or further damaging the cable
- Find opens and shorts in AC & DC trailing cable
- Transmitter output protected, harmless to operator
- Color-coded clips enable quick connection to cable plug when fault occurs
- LED indicators on detector for better visibility underground
- The detector can be locked to the transmitter
- 18 gauge stainless steel enclosure



CABLE FAULT DETECTORS

COLLISION AVOIDANCE PROTECTION



AMR PEMCO's Collision Avoidance Protection system (CAPS) alerts mobile equipment operators of nearby personnel and other machines. By detecting tags, or other CAPS units that enter the user-defined protection zones around the machine, CAPS reduces the risk of crushing and pinning accidents in underground mining and tunneling environments as well as vehicle-to-vehicle or vehicle-to-person collisions in surface operations.

When the tagged asset enters either the warning or alarm zones, the system then activates the open collector outputs. Depending on the unit's configuration, these outputs may be used for audible, visual, and other alert response systems to warn the equipment operator of the potentially dangerous situation. They may also be optionally connected directly to the equipment's braking system.



AMR PEMCO's two panel shops provide standard, or customized turnkey solutions for all of your control panel needs. Our years of experience in the mining, power, transit, water, and waste water sectors offer various standardized designs to choose from. However, we also recognize that every project has unique challenges, and thus we offer fully customized solutions to meet your specifications.

AMR PEMCO can also provide contract manufacturing services through our two sister companies. Therefore, even if you are not in need of our automation integration services, we can provide high quality control panel manufacturing no matter how big or small the project.



CUSTOM CONTROL PANELS

DRY-TYPE TRANSFORMERS



100 to 10,000 KVA (10 MVA)

Primaries voltages up to 34.5 kV

Meet all IEEE standards

UL or CSA-approved varnish and VPI system

Drive Rated, Rectifier Duty, Excitation and Static Start applications

Custom enclosure and packaging options

Retrofits, rebuilds, and custom-designed upgrades available!

Custom Panels

Turn key solutions

Custom enclosure design and manufacturing

CSA/UL/CE certifications available

Power and control panels

Custom 3D copper bus bar design and fabrication

Breaker cabinets

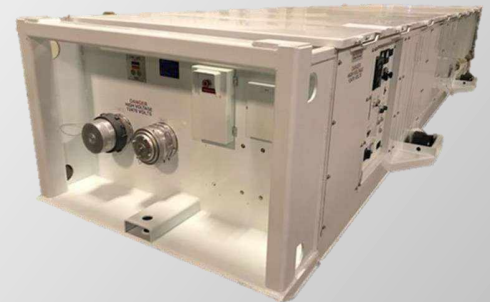
PLC's, drives, and controls

Custom Electrical Equipment

Industrial & Control Buildings (ICB) and equipment enclosures including HVAC systems and design, installation and integration of all types of electrical equipment

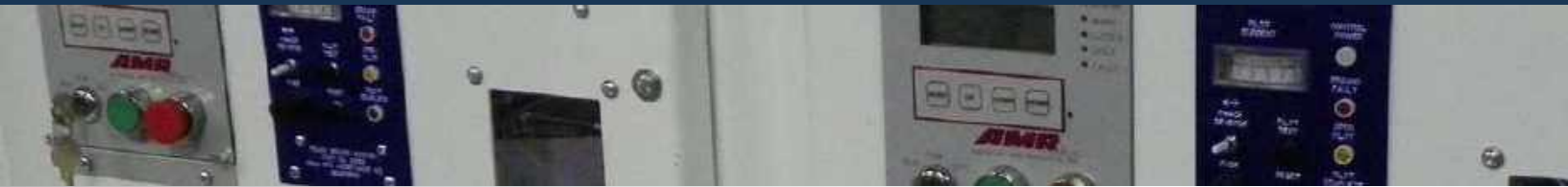
Specialty Magnetics

Custom applications including reactors, inductors, and rectifier duty transformers



ELECTRICAL DISTRIBUTION EQUIPMENT

ELECTRONIC CIRCUIT BREAKERS



AMR PEMCO's CB series offers greater safety than conventional breakers.

Replaces molded case breakers

No external arcing

Extremely long life of operation

Indicator lights for all faults: Phase overcurrent, Ground fault, Phase under-voltage, Unit fault, Ground monitor trip, Fuse/contact failure, Phase loss

Self Test circuitry

All protection functions in one package

Easily tested by breaker test unit (BT-1000)

Capable of remote control by any data acquisition system or PLC's.

Ground Monitors continuously verify the integrity of the AC ground wire in heavy equipment trailing cables, and transmission lines between electrical distribution stations. Since 1975, AMR PEMCO has been a pioneer in ground monitor design and sold over 50,000 circuits worldwide. We offer pilotless and impedance style pilot wire versions for low to high voltage circuits up to 25KV.

**GF-180
GM-150
GM-200
GM-250
GM-300
GM-105-XLD**



GROUND CHECK & FAULT MONITORS

INDUSTRIAL CONTROL BUILDINGS



Custom Control Panels, Copper Bus Assemblies, Termination Compartments,

and other accessories available

E-Houses, Deposit on Base Enclosures (DOBE), skid-mounted, and many other styles

Mild, stainless, and galvanized steel construction available

Complete installation and electrical integration of all equipment

Installation to NEC guidelines for acceptable work practices and clearances

Engineering services for electrical integration

Over 3,000 buildings provided to date. All designs comply with ICB guidelines



The Mine Net Communications and Tracking system is AMR PEMCO's original non-tethered, two-way communications network. Providing wireless communications from handheld messengers, and personnel/asset tracking tags, to the Smart Readers the system can be deployed in any underground mining or tunneling environment. The Smart Readers are connected by twisted pair copper wire, or fiber optic cable, to create a comprehensive communications network. The Mine Net software program gathers information from the network to track personnel and assets by user defined zones, as well as provide real-time text communications with handheld messengers.



MINE NET COMMUNICATIONS & TRACKING

MINE NET MESH WIFI SYSTEMS

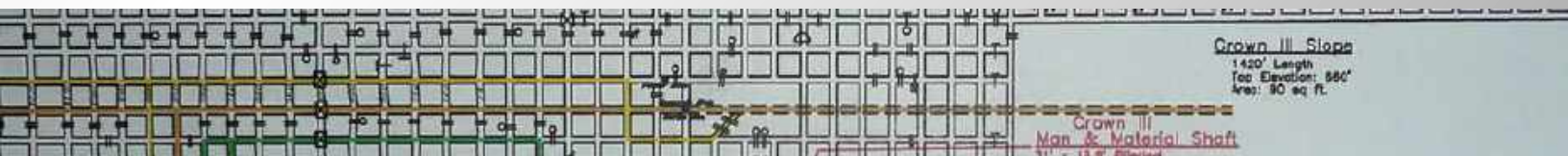


Mine Net Mesh is the second generation of AMR PEMCO's communications and tracking solutions adding real time voice and 802.11 data connectivity. The primary purpose of these systems is to expedite miner location and rescue efforts, but they also greatly increase productivity during daily operations.



VoIP Handset
MN-6400 Wireless Access Point
Personnel Tag
MineWeb

Since 1987, AMR PEMCO has provided the most flexible and reliable mine monitoring systems available in the mining industry. Our systems optimize operations through real-time monitoring and control, allowing an operator to pinpoint unsafe or hazardous areas, trend machinery data for maintenance, and control devices remotely. Mine operators can choose the standard MC-4000 System, which communicates over simple and durable twisted pair copper cable and uses RS-485 protocol; or select the MC-4000-ET System, which utilizes Modbus over Ethernet protocol on a fiber-optic backbone. AMR PEMCO offers several options for monitoring software as your Human-Machine-Interface ("HMI").



MINE WIDE MONITORING

REMOTE CELL & SATELLITE TELEMETRY



AMR PEMCO is an authorized distributor for High Tide Technologies, a US-based technology company. High Tide offers a complete, but simple, SCADA solution utilizing Remote Telemetry Units (RTU's) via satellite or cellular communications as well as the Internet to both monitor and provide automatic control of systems. In addition to its RTU's, High Tide offers a web-based software suite called TelemetryVIEW. Through this online platform, the owner can view data and initiate manual controls from any Internet-connected computer or mobile device by simply connecting to a secure website. TelemetryVIEW enables easy access to information about remote equipment run times, electrical consumption, flow rates, tank levels, and more.

With a molded case circuit breaker, a miner is placed in front of potential arcing hazards. With AMR PEMCO's patented CB Remote Racking System (RRS), the miner is only exposed to 5 Volts, and the built-in time delay allows the miner to be safely removed from potential arcing hazards.

Rated for 1 million phase to phase faults

Designed to allow the circuit to be removed and repaired without having to de-energize the entire load center

The racking of the drawer can be done remotely from up to 30 feet away with motorized attachment, to safeguard against possible arc

flash exposure

Approved US Patent



REMOTE RACKING SYSTEM

SPEED SENSORS



The “Little Speedy” LS-3000 series is a compact “all-in-one” Slip or Sequence Control Switch utilizing a ferrous metal inductive pickup.

“All-in-one” means the pickup with associated speed, delay, and control circuitry is an “all-in-one” package. All that is necessary to install the unit is to mount the module near a suitable roller and connect the attached cable to the control box of the belt being monitored. Potted in a sealed 2" x 7" tube, the LS-3000 series is free from dust or moisture contamination. Accessible at one end of the module are adjustments for belt speed cutoff, a cutoff time delay and a LED (indicator) for easy calibration



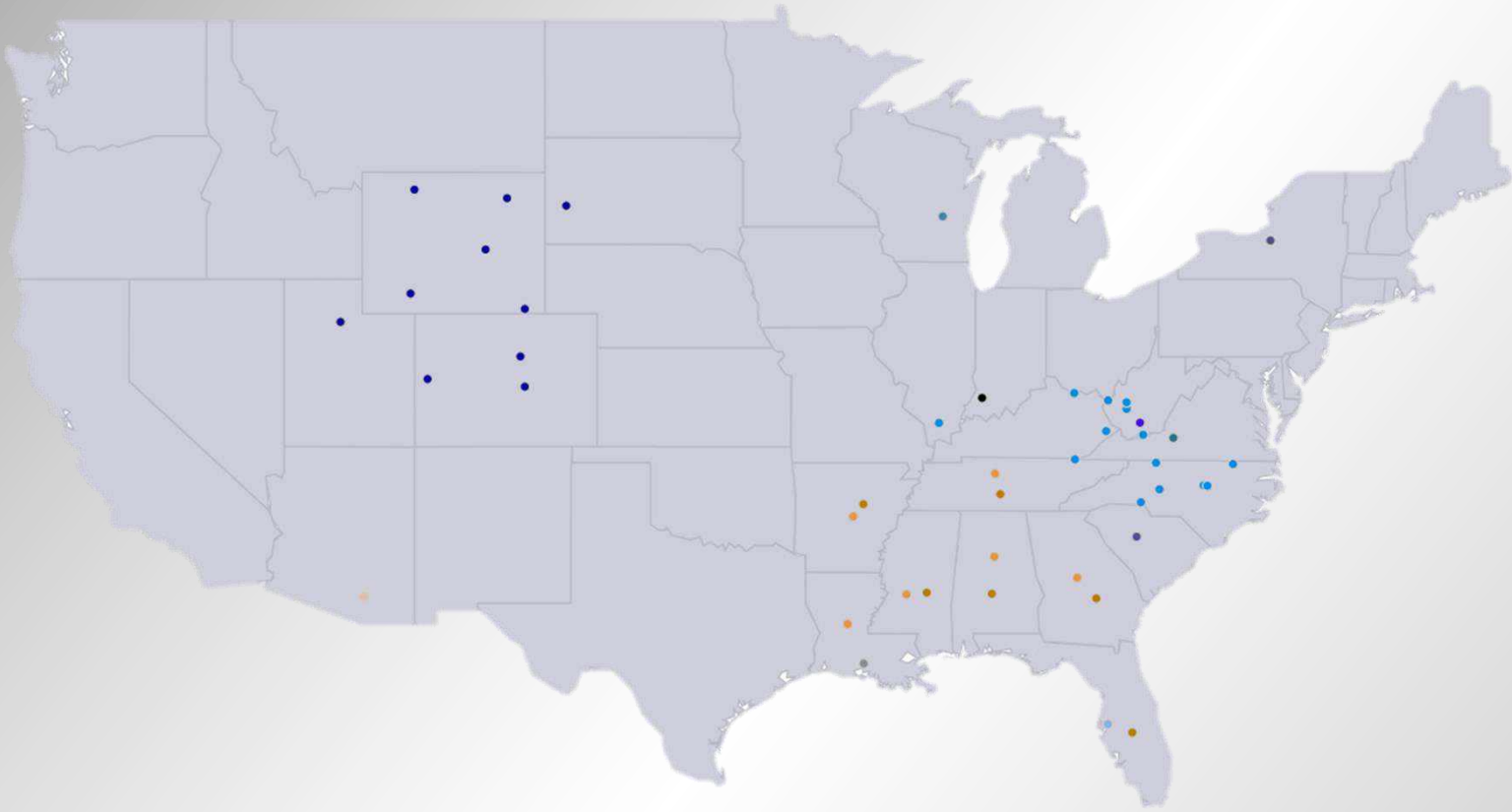
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TIP SWITCHES

PARTNERS & DISTRIBUTORS



CONTACT US!



**WE ARE HERE 24/7/365
BECAUSE PROBLEMS NEVER TAKE A VACATION**

AMR PEMCO prides itself on the durability of our products and solutions. However, should technical issues arise, our field service team is there at any hour of the day. Telephone assistance is free of charge to existing customers, and in the event an issue cannot be solved over the phone, or via remote data connection, a staff member will schedule a visit within 24 hours of the call if the product is located inside the United States. If the issue occurs on a weekend or holiday, a technician will be on-site the first business day thereafter, or emergency service is available for an additional charge. International customers please contact your local sales representative for emergency service.

If your issue is not too severe, our in-house repair department can provide a complete and thorough review and repair of the problem in a timely manner. Our repair and service teams are adept at handling many unique needs and projects. Leveraging our 55+ years of experience in electro-mechanical design and assembly, AMR PEMCO has the capabilities to satisfy any unique needs and requirements.

Contact Hours

Monday - Friday

8:00 am - 4:30 pm

+1 (276) 928 - 1712

After Hours, Weekends,, and Holidays

+1 (866)456-0231 (Toll Free)

sales @amrpemco.com

A technician will respond by phone within four hours of receiving your call

AMR PEMCO