



AMR PEMCO

PROVEN PARTNER IN TECHNOLOGY

WWW.AMRPEMCO.COM

Corporate Overview



- AMR PEMCO and sister companies operate to provide electronic monitoring, controls, communications, tracking, and collision avoidance systems as well as industrial buildings, circuit breakers, dry-type transformers, and automation integration.
- Markets served include global mining, aggregates, tunneling, power generation, utilities, transit, nuclear, water/wastewater, and general industry.
- Primary sales in the U.S., Canada, Mexico, India, South Africa, and South America with sales in many other countries around the world.

AMR est. 1975



PEMCO est. 1960 - Acquired in 2016



ERM est. 1979



CMS est. 1995



Delivering Projects Worldwide



Codes and Certifications



American Welding Society



Experience With Popular Brands



GE Infrastructure
Water & Process Technologies



Clients and Customers



NORTHROP GRUMMAN

Balfour Beatty



TMEiC



**Rockwell
Automation**



Core Capabilities



- Industrial & control buildings (ICB) and equipment enclosures including HVAC systems and design, installation and integration of all types of electrical equipment
- Complete skid mounted systems including switchgear, AC & DC Drives, transformers and control systems
- Complete skid mounted power centers and substations for harsh duty applications
- Custom designed dry type transformers up to 4 MVA and 25kV class.
- Specialty magnetics for custom applications including reactors, inductors, and rectifier duty transformers
- UL and CSA certified control panels with custom enclosure design and fabrication
- 3D modeling capabilities for all enclosures and bus assemblies.
- Electrical, mechanical, and transformer engineering



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**MINE NET
COMMUNICATION &
TRACKING**

Mine Net Communications System



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.

Designed as an intrinsically safe network, and certified in the U.S. by the Mine Safety & Health Administration (MSHA), the Mine Net system has been installed in over 85 underground mining operations since 2008. It continues to be a cost-effective, reliable, and simple to implement solution for mines around the world.



Mine Net Reader



The Intrinsically Safe 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. Wireless communications from handheld messengers, and the tracking tags, is received by the Smart Readers and routed to the Mine Net software. The readers are designed to be deployed in any type of underground mining, or tunneling environment.

System Features

- Use standard twisted pair copper wire or fiber optic cable
- Easy Configuration of personnel in Mine Net™ software

Smart Readers

- Up to four antennas per reader to cover multiple zones and sub-zones
- Battery backup option -96 hour optional
- Intrinsically Safe Designed



Mine Net Tag



The Mine Net Communications and Tracking system utilizes actively transmitting tags which continuously transmit a unique Identification number to the Smart Readers. The Smart Readers are connected by twisted pair copper wire, or fiber optic cable, to create a comprehensive communications network throughout the underground mining or tunneling operation. The Mine Net software gathers information from the network to locate personnel and assets by user defined zones.

System Components Include:

- Mine Net Software
- Smart Readers
- Tracking Tag
- Text Messenger

Features and Benefits

- Small, Light-weight and ultra durable
- Provides ID#, battery level, ambient temperature and coded messages
- Integrated tactile button for coded messages such as –
- HELP Emergency
- Equipment Failure
- Arrived on Scene
- Up to 3 to 4 year battery life





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