

**MINE NET™ MESH SETTING NEW STANDARDS**

AMR, Inc. is pleased to announce the intrinsic safety approval of the Mine Net Mesh™ (MNM) system from both the U.S. Mine Safety and Health Administration (MSHA), and Explorlabs in South Africa. The system includes the MN-6400 Access Point, Wi-Fi Telephone, and Dual Tracking Tag as intrinsically safe components forming the next generation of communications and asset location in underground mining or tunneling operations.

AMR's Mine Net™ Mesh wireless communications, tracking, and atmospheric monitoring platform complies with the U.S. MINER Act of 2006 and improves day to day efficiency through real time communications and support of third party wireless devices.

The MNM system utilizes the global standard IEEE 802.11b/g data and security protocols. The Wi-Fi telephone provides Push-to-Talk (PTT) and text messaging functionality, and optional use as a tracking device. Built from durable polycarbonate material, the phone offers additional emergency features such as a LED flashlight and tactile SOS button. Personnel may choose to carry the compactly-designed Wi-Fi phone in a pocket or utility pouch.



Incorporating a rechargeable Lithium-Ion battery, the phone can be charged on the surface or underground at designated battery charging stations, and can be utilized for approximately four days prior to recharge on an 80:10:10 duty cycle (STBY:RX:TX).



The Wi-Fi Dual Tracking Tag is AMR's second generation tracking device with improvements in terms of durability, range and tracking precision over the original Mine Net™ tag. The new tag has "dual" capabilities of working with AMR's first generation Mine Net™ system or the Mine Net™ Mesh platform thereby providing an easy upgrade path for existing customers.

The tag also incorporates a rechargeable Lithium-Ion battery for longer life and is chargeable either on the surface or underground at designated battery charging stations, with up to seven days between recharges. Personnel may carry the compact Wi-Fi Tag on their person using a variety of techniques such as belt or strap clip, inside a chest pocket or directly mounted to a hard hat. The tag may also be mounted to vehicles, mobile equipment, and portable assets for a complete tracking solution of key assets.

**OPEN FOR EXPANSION AND GROWTH**

Responding to customer feedback and input from owners of other systems, the Mine Net™ Mesh platform was designed with open, non-proprietary connectivity. This allows the MNM network to operate as the data backbone for a variety of wireless and wired solutions including laptops, tablets, smart phones, video cameras, gas monitors, smoke detectors, atmospheric monitors, and Wi-Fi enabled mining equipment, control systems or third party sensors. Mine Net™ Mesh is a data communications foundation for expansion and growth, fully capable of supporting existing Wi-Fi devices and adapting to future advances in technology.

**AMR - PROVEN PARTNER IN TECHNOLOGY**

AMR, Inc. is a U.S. based company founded in 1975 to support the U.S. coal mining industry's demand for better electrical safety and protection of AC powered machinery. Providing the world's first "pilotless" continuity-type ground check monitors on low and high voltage cables, AMR now has over 40,000 ground monitor circuits in use worldwide and offers a variety of monitoring and control electronics for mining, aggregate, tunneling and general industry. Product lines include low to high voltage ground check monitors, atmospheric monitoring, wireless tracking & communications, collision avoidance, electronic circuit breakers, speed and level sensors.

Based in Rocky Gap, Virginia, AMR is co-located with sister company, East River Metals and has another sister company, Custom Manufacturing Services, which operates two facilities in nearby Princeton, West Virginia. Together all three companies work together by sharing employee and manufacturing capabilities.

Utilizing modern technology to meet the changing needs of their customers, AMR strives to supply products that not only increase safety, but improve efficiency and productivity.

For more information visit [www.amr-sales.com](http://www.amr-sales.com) and contact AMR by email to [sales@amr-sales.com](mailto:sales@amr-sales.com) or by phone at +1-276-928-1712.