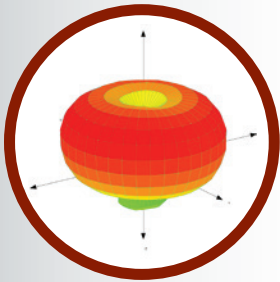


5 Ways Antennas Improve Mining Communications

Mining operators invest hundreds of thousands of dollars on communication equipment. But most don't realize the network—and consequently operations—is at the mercy of a \$10 antenna.

To address performance deficiencies in wireless networks, system integrators are now recommending multi-polarized antennas to mitigate multipath interference and receive both horizontal and vertical signals.

MP Antenna has seen communications improve in several key areas with better antenna technology:



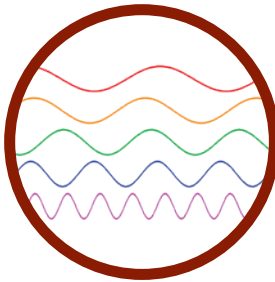
Antenna Pattern

Proper selection increases data throughput and eliminates dead spots



Network Durability

High impact, compact radomes protect antennas and the network for 100,000 hours



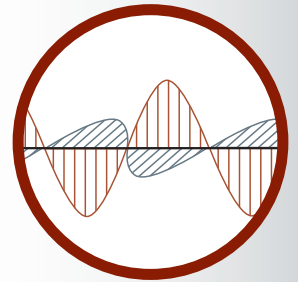
Frequency Propagation

Multi-polarized antennas handle WiFi, radio and cellular frequencies in one footprint



On Vehicle Communications

Multi-functional antennas deliver better coverage and connectivity



Multi-Polarized Reception

Upgraded antennas receive vertical or horizontal signals regardless of orientation



MP Antenna has built its products and reputation on proprietary multi-polarized technology. The company has worked with OEMs, system integrators and operators to build the **Rugged Wave™** series of antennas to meet the durability and connectivity challenges of the mining industry.

Rugged Wave antennas are ideal for mining networks, port communications, industrial automation, transportation and autonomous vehicle management. The antennas feature a rugged machined enclosure, multiple antenna feeds, and an integrated GPS module.

To learn more about the role of wireless in mining operations, download the *Mining Safety and Communications Guide* from MP Antenna.

[DOWNLOAD THE GUIDE](#)

