When an existing leaky feeder connection is cut, or loses power, the DRUM™ Repeater units use the metallic infrastructure of the mine as a back-haul to communicate with the surface. DRUM™ Repeater units have a typical UHF range of 3000 ft diameter.
Survivable Leaky Feeder

DRUM™ Communication System Use Case Example #2

DRUM™ Repeater units can be used in conjunction with un-powered leaky feeder cable to extend coverage in 1 mile increments. If a connection is cut, the DRUM™ Repeaters can still use the metallic infrastructure to communicate with the surface.
Leaky Feeder Extension
DRUM™ Communication System Use Case Example #3

DRUM™ Repeater units can be used to extend leaky feeders by using metallic infrastructure / wire core lines. Coverage can be extended up to +4 miles when proper conductors are present.
The DRUM™ Portable & Repeater units can be used together to allow communication in bleeders and hard to reach areas. DRUM™ Portable units allow for mobile communication in the area, and relay messages to Repeater units on the surface using the metallic infrastructure.
DRUM™ units can allow Mine Rescue teams on the surface and within the mine to communicate with trapped workers. DRUM™ units can provide communications through obstructions by using the mines' metallic infrastructure.
DRUM™ units can allow workers on the surface to communicate with trapped workers within rescue chambers. DRUM™ units can provide communications through obstructions by using the mines’ metallic infrastructure.