

APPLICATION NOTES

Mining cars

In mining application there is equipment used to transport product, people and supplies.



Multiple certifications — including IECEx obtained in Australia to comply with Queensland mining requirements — make our UX, RX, and SX barriers easily deployable worldwide.

By using the Solexy heavy-duty flexible antenna (“The Noodle”), the risk of antenna damage is eliminated.

This helps prevent machine breakdowns and potential blockages in the mineshaft.

By utilizing the Solexy antenna coupler in combination with a radio installed in an Exd box on the equipment, the system can broadcast critical engine data for predictive maintenance purposes.

The radio installed inside the Exd enclosure must transmit the signal outside of the explosion-proof box. The Solexy antenna coupler provides an explosion-proof connection and an intrinsically safe antenna output, ensuring that no external spark ignition can occur from the enclosure.



ADVANTAGES

- ✓ Does not take any space inside the housing
- ✓ Allows the use of standard passive antennas
- ✓ No seal gland required
- ✓ Stainless steel construction suitable for mining environments