

Private Networks

Automating operations in mining.

Whether underground or open-cast, guaranteed connectivity is critical to safe and efficient mining operations. A built-for-purpose Cellnex Private Network delivers the coverage and capacity you need in even the most challenging environments – seamlessly connecting assets, equipment and people across the entire site.

The future of mining is a better connected one. Whether it's remote-controlled equipment that makes drilling faster and safer, geolocation devices that steer workers away from dangerous areas, or predictive maintenance that keeps critical assets operational for longer, connected technology is helping to redefine the sector.

Underpinning that is the network. Wherever they operate, mining companies are increasingly in need of the security and connectivity offered by a dedicated 4G/5G Private Network.



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A private, dedicated network assures data security, removes the capacity and contention issues of WiFi and mobile networks, and delivers round the clock connectivity.

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Delivering digital transformation, innovation and competitive advantage

Remote-control

Control and monitoring of drilling equipment, machinery, robots and vehicles



Mission-critical communications

Guaranteed, always-on connectivity to operational and HSE systems, people and equipment



360° situational awareness

Powering better decision making and enabling effective asset tracking and utilisation



Data privacy and security

Access, manage and protect the ever-expanding volume of business-critical data



Automation

Boosting operational efficiencies and removing people from hazardous areas



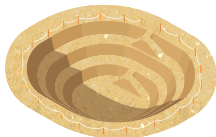
Predictive maintenance

Advanced data and video analytics, minimising service costs and increasing assets lifetime



Environmental sensors

Asset and infrastructure insights to identify dangerous gases



Features and Benefits

- **Purpose-built 4G/5G network** delivering the coverage and capacity you need, where you need it
- **Low-latency, high bandwidth connectivity** guarantees always-on performance, eliminates outages and assures operational continuity
- **Secure and private**, restricting access from outside and delivers data protection and compliance as standard
- **Offers opportunities to deploy automation, AI or robotics** to increase efficiency, streamline operations and reduce cost
- **Delivers the ability to track and monitor assets and employees** to increase site and worker safety
- **Managed by a single, experienced partner** to cut through the complexity, deliver a bespoke solution and eliminate investment risk

Why Cellnex?

As a Critical National Infrastructure Provider and one of Europe's leading telecommunication companies, Cellnex is trusted by enterprises, the emergency services and mobile network operators.

Working together with Edzcom, a market-leader and wholly owned subsidiary of Cellnex, our solutions provide an assured answer to the connectivity challenges of a rapidly evolving Industry 4.0 world.

To find out more about Private Network solutions, contact our experts at: PrivateNetworks@cellnextelecom.co.uk