

ENHANCING CONNECTIVITY TO POWER THE FUTURE OF MINING



Avanti's mining solution advances remote mining operations with unparalleled satellite connectivity that ensures seamless operation, optimises performance, boosts safety, and provides a resilient and cost-effective alternative to traditional network infrastructures.

Confronting Connectivity Challenges

The heart of the matter: unreliable energy sources, costly infrastructure in remote locations, and the existing gap in connectivity that prevents the full integration of IoT and AI in mining operations. These are the hurdles we leap over for you.

Unlock Possibilities With Avanti

Avanti's mining solution, powered by advanced multi-orbit satellite technology, delivers superior performance and dependable connectivity that doesn't falter with geography or isolation.

- **High throughput:** Fibre-like throughput without dependency on terrestrial networks.
- **Customisable packages:** Specially designed to support IoT and AI, real-time monitoring, and data analytics, shaping up to meet unique site demands.
- **Rapid deployment:** Quick and adaptable setups that save time and reduce initial expenses.
- **24/7 support:** Our dedicated Network Operating Centre guarantees operational continuity and high throughput.

Explore Avanti's Mining Solution

Mine Always On



Our Mine Always On solution provides a constant and reliable primary connectivity network that is secure, stable and delivers high performance access to the internet for engineering a private network or enabling cloud based applications.

Mine Site Wifi



A wireless network in mining terrain offers significant advantages ensuring that personnel and devices can seamlessly communicate. We design the network and provide routers, access points to connect to our satellite based connectivity solution.

Remote Monitoring (IOT)



Working with our partners, we deliver IOT remote sensors alongside our satellite connectivity which can be configured to monitor various aspects of the mining operations for improved productivity.

Thrive in Challenging Environments

- **Multi-orbit reach:** Our advanced satellite coverage operates across multiple orbits, ensuring continuous connectivity for seamless mining operations, without the constraints of location.
- **IoT & AI capabilities:** Empowers digital transformation, enhancing safety procedures, and efficient resource tracking and predictive maintenance.
- **Operational efficiency:** Enables crucial real-time data exchanges and analytics, fostering swift decision-making and prompt response to challenges.
- **Security surveillance / safety enhancements:** We enable round the clock monitoring, ensuring constant and reliable surveillance.
- **Workforce welfare:** Access to reliable Wi-Fi provides the local workforce and community with fast internet communication – allowing them to stay in contact with friends and family, connect to social media platforms and watch bandwidth-heavy streaming applications.

Take The Next Step

Connect with Avanti Communications, schedule a meeting, and discover how our solutions can address your challenges. Experience seamless operations, performance optimisation, enhanced safety, and cost-effective communications with us.