

Towards the digital mine

The route to a seamless digital journey

Business
Services

orange™

This is a critical time for mining...

Reserves are deeper and in more remote areas, pushing margins to the limit. Yet natural resources remain available to sustain the sector for years to come.

But the stakes are high.

Tracking down these reserves and exploiting them successfully demands change by investing in the latest digital technology. Metal producers that harness the full potential of a digital transformation can boost margins by up to 8%, according to McKinsey research, so the rewards are clear.

So where do mining companies start?

Transitioning to the digital mine typically begins by focusing on core processes, automating physical operations and digitizing assets. This includes adopting autonomous vehicles, drones, 3D printing and wearable technologies.

These are all run and monitored through a connected network that uses IoT to capture data in real-time.

This data is stored securely in the cloud and analyzed, providing key insight for faster, more accurate decision making, driving efficiency, improving HSE standards and cutting operating costs.

Communication and collaboration between workers, both at the remote mine, and off-site are also significantly improved through cutting-edge connectivity. This seamlessly links telephony, mobile devices, collaboration software and video streaming, introducing smarting working practices across all operations. With only 15%

of global business executives believing they have the necessary capabilities and skills to execute digital transformation, according to Forrester, finding the right digital partner is crucial.

As a natural resource management technology leader, Orange not only harnesses the latest network and connectivity innovation, but also has unrivalled sector knowledge and experience. This ensures digital transformation delivers the most value and the biggest impact, and that the journey there and beyond is as smooth as possible.

Automate on site operations and monitor key assets with IoT



Store IoT data securely in the cloud



Create key insight through data analytics to aid decision-making



Share data and improve collaboration with cutting-edge connectivity



The digital mine