The mining industry continues to face multiple complex challenges, from uncertainty across geopolitical landscapes to the disruption of digital economics, resulting in increased pressure as productivity in operation needs to improve. To capitalise on digital revolution, mining companies could benefit from 5G as the catalyst for this transformation!

5G networks might have the potential to provide opportunities to the mining industry such as automation and remote operations due to improved coverage, lower latency and higher reliability at every stage of its business operations. Several 5G-related use cases in the mining industry are in trials or have been deployed around the world, enabling mining companies to improve operations.

**Creating safer, more efficient and productive mines could be achieved through**

**Automation**
- Provides a conscious and efficient operation of equipment while providing safer working conditions.
- In-plant broadband mobility enables to communicate and access business data from anywhere at any time.

**Wireless broadband**
- Drilling and blasting using automation shows an increased CO2 and cost saving.
- Increase of 1,000 hours of drilling operation.
- Up to 50% drill rig operations.

**Data analytics**
- Collects and processes data from various sources to make informed business decisions.
- Improves equipment performance.
- Enables predictive maintenance.

How can Deloitte help?
Deloitte translate business and industry needs into technical requirements delivering value added end-to-end 5G solutions that lead to meaningful business outcomes.

Select the areas to be improved with 5G use cases, identifying and prioritizing the top 5G use case opportunities.

- Formulate the operational benefits of the 5G use case(s)
- Define and design use case technical solution architecture and requirements, considering current 5G and 4G requirements.
- Define overall governance, operating model and procedures to ensure the sustainability in business as usual (BAU).

How can Deloitte help? - 5G Partner (5G) Offer end 5G solutions that lead to meaningful business outcomes.

**Creating and prioritise**
- Select the areas to be improved with 5G use cases, identifying and prioritizing the top 5G use case opportunities.

**Design, technical architecture and requirements**
- Formulate the operational benefits of the 5G use case(s)
- Define and design use case technical solution architecture and requirements, considering current 5G and 4G requirements.

**Build and evaluate**
- Select the areas to be improved with 5G use cases, identifying and prioritizing the top 5G use case opportunities.

**Operate and maintain**
- Define overall governance, operating model and procedures to ensure the sustainability in business as usual (BAU).