

# DIGIROCK

## Digital Rock Sensing System



This project proposal aims to develop an early warning system for underground mining. The goal is to implement a first proof-of-concept solution for both real-time monitoring of rock bolts, and advanced analytics with predictions of future rock deformations. The proposed technology can both save lives, mitigate working environment hazards and increase productivity. At the end of the project, the aim is to deliver an IoT solution for bolt monitoring and a Cloud-based solution that can send maintenance reports to mining companies.

### Vertical sector addressed

- ICT

### Challenges tackled by SMEs

- Health and safety
- Towards the digital world

### Key actions addressed

- KA 5
- KA 6

*MINE-Demo scheme*

