



illUMINATION
THE FUTURE OF MINING

BRIGHT CONCEPTS FOR A SAFE & SUSTAINABLE DIGITAL MINING FUTURE



9

Mio. Funding



19

Project Partners



6

European Countries



5

Use Cases



**SAFE ZONE CONCEPT
FOR THE MINING INDUSTRY**



**ADVANCED PREDICTIVE MAINTENANCE &
EFFICIENT OPERATION**



**SUSTAINABLE & INTELLIGENT
MINERAL RESOURCE EXTRACTION**



**DEPENDABLE MULTI-LEVEL DISTRIBUTED
INDUSTRIAL INTERNET OF THINGS PLATFORM &
NOVEL USER INTERFACES**



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Europe urgently needs to reduce its import dependency in respect to a multitude of raw materials. In order to do so, the process of traditional mining must be entirely redesigned via the adoption of pioneering innovations, accompanied by extensive use of data analytics and new types of Industrial Internet of Things devices.

Comprehensive digitization of important mining aspects, such as the mineral deposit, rock mass stability or equipment condition, safety and environmental monitoring, the illuMINEation project addresses all of the three key factors that influence the sustainability and profitability of mining operations: occupational health & safety performance, environmental impacts and efficient resource extraction.

Further information

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