



Innovative Technologies and Concepts for the Sustainable and Intelligent Deep Mine of the Future

A vision for the future, the Intelligent Deep Mine

The I²Mine Project proposes the concept of an invisible, zero-impact mine. It focuses on the development of innovative methods, technologies, machines and equipment necessary for the efficient exploitation of minerals and disposal of waste in deeper mines. The target is to reduce the impact of deep mining activities.

The focus is on selective exploitation by new sensor based systems for material recognition, boundary layer detection and sorting operations.

The health and safety issues and questions related to the working environment are also addressed together with the socio-economic and environmental implications and impacts.

The project involves a consortium of 27 companies and academic institutions from 10 European countries over a period of 4 year (2011-2015).



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www.i2mine.eu
pm@i2mine.eu

