

Research topic

Detection of block falls in salt caverns used for energy storage

Case studies

Manosque (France)
Teesside (UK)

Leader and consortium

Brouard Consulting,
Geostock, Armines, BRGM

Budget

777 k€

Funding

354 k€

Timescale

09/2018-09/2021

Contact

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OBJECTIVES

- Risk analysis of block fall in salt caverns
- 3D Modeling of cavern waves triggered by a block fall
- Design/manufacturing/patenting of a Plug & Play real-time detection system
- Pilot test at Manosque facility

SHORT TERM MARKETABLE DELIVERABLES

- Rock fall monitoring on underground H₂ or compressed-air storages worldwide

