



A Sustainable Ecosystem for the Innovative Resource Recovery and Complex Ore Extraction



The XTRACT project introduces the novel concept of the Zero Emission Mine of the Future, developing and validating innovative microinvasive technologies for sustainable and decarbonised extraction

TECHNOLOGIES

- Mineral Classification Mastery
- Revolutionary Waste Management
- Ore Grade Assessment in Real-Time through Drill Monitoring
- Sustainable Practices in Focus
- Eco-Friendly Metal Recovery
- Efficient Membrane Filtration
- Airborne Geophysical-Electromagnetic System
- XTRACT Reconfigurable UAV System
- Comprehensive Mine Mapping
- Tailings Content Assessment
- Optimised Drilling Performance
- Electrodialysis and Processability Index
- Novel Phytoextraction and Phytoremediation Solutions

PROJECT FACTS

Funding Programme: Horizon Europe

Duration:

36 months

Start Date:

December 1st, 2023

Total cost:

4.995.636€

XTRACT Coordinator:

Technische Universität Bergakademie Freiberg (TUBAF)

CONNECT

<https://xtract-project.eu>

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PILOTS

Pilot 1
Tellerhäuser
Germany

Pilot 2
Björkdal
Sweden

Pilot 3
São Domingos
Portugal

Pilot 4
Lavrion
Greece

CONSORTIUM



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