



Geologische
Landesuntersuchung
GmbH Freiberg



**Services
Mining**

Desktop Studies

- Data compilation, assessment & management
- Interpretation of aerial and satellite images
- Exploration program design
- PEA
- Market analysis
- Site characteristics

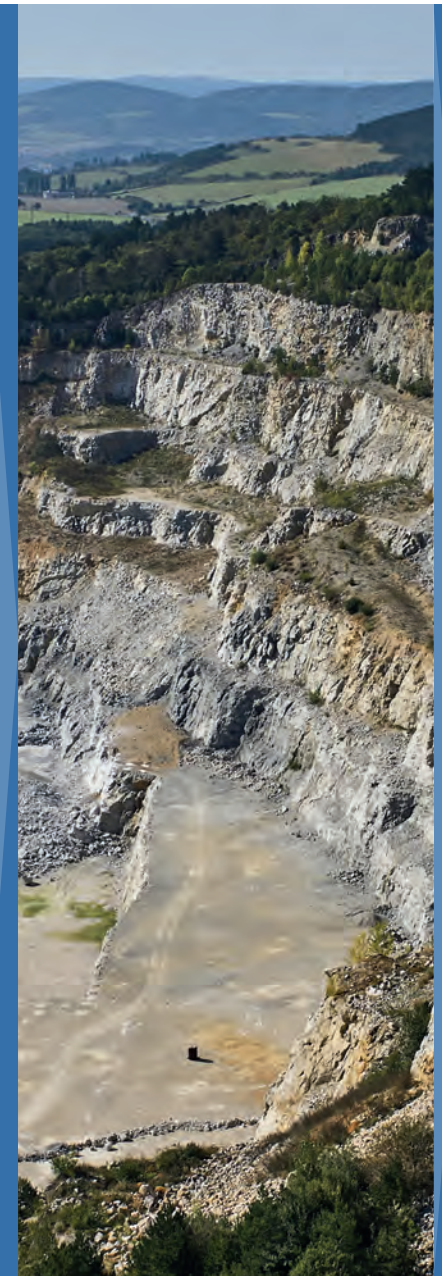
Exploration

- Regional geochemical and geological surveys
- Remote Sensing
- Airborne Geophysics
- Mapping
- Drilling / wireline logging/ trenching/ sampling
- Hydrogeological and geotechnical studies
- Resource estimation/report
- Training

Pre-feasibility and feasibility

- Drilling / wireline logging / sampling
- High precision land surveys
- Environmental and social impact studies
- Hydrogeological assessment and modelling
- Geotechnical assessment / soil and rock mechanics
- Resource modelling and classification
- Mine planning
- Economic analysis
- Data management

Consulting, Project Management, Documentantion



Approval Procedures

- Regional Planning Procedure
- Mine and infrastructure design
- Environmental and social impact assessment, FFH, SPA, EMP
- Mine work plan
- Frame work plan,
- Permission under water law
- Guidance through approval procedures incl. public hearings

Mine Operation

- Open pit development
- Main and special work plans
- Ecological construction support, protected species assessment
- Monitoring (geotechnical and ground water, etc.)
- Cost estimations
- Construction supervision
- Slope stability
- Maps and surface plans
- Cataster

Mine Closure and Rehabilitation

- Mine closure plans
- Ecological construction supervision
- Monitoring of ground/surface water and slope stability, etc.)
- Environmental audits
- Environmental remediation plan
- Tailings assessment (geotechnical, hydrogeological environmental)
- Resource estimation for re-mining

→ Consulting, Project Management, Documentantion →



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