

Rehabilitation Plans of Base Metal Mines in South-East, Bulgaria

Ministry of Regional Development and Public Works of the Republic of Bulgaria

Service area	Contract value	Project duration
Land Recycling, Natural Resources and Mining	€180,000	2001 - 2002



Project description:

The feasibility study aimed at the assessment of environmental liabilities and possible remediation options of five base metal mines in the south east of Bulgaria. The objectives of the project were assessment of the environmental status of the mining sites, preparation of rehabilitation plans and mitigation measures to reduce the risks to an acceptable level, design of reliable remedial measures for elimination of the contamination in result of subsequent remediation and reduction of the contamination of the waters, the dumps and the tailings ponds.

Further project data:

- Five different underground mining sites (3 operating, 2 defunct)
- Apx. 100 mine dumps, 2 tailings ponds
- Subsidences

Purpose:

- Rehabilitation plan and feasibility study as a basis of ISPA application for remedial work

Our services:

- Environmental Risk Assessment
- Definition of cross border impact between Bulgaria and Greece
- Definition of rehabilitation measures
- Modelling of the water path of ground- and mine water
- Suggestion of improvement of water treatment facilities
- Suggestion of remedial measures
- Economic evaluation of the mining sites
- Rehabilitation concept
- Cost estimate

Client benefits:

- Interdisciplinary work by specialists and experts from several companies
- Coordination of Western-European and Bulgarian Experts
- Acceptance by authorities
- Acceptance at the funding agencies (EU)