

Feasibility Study Geothermal use of mine water Schlema-Alberoda

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Project Objective: Concept for the geothermal use of mine water from the uranium mining area Schlema-Alberoda / Saxony

Location: Schlema / Saxony

Client: DBU

Beneficiary: DBU (Federal Environmental Foundation)

Duration: 2002 - 2003

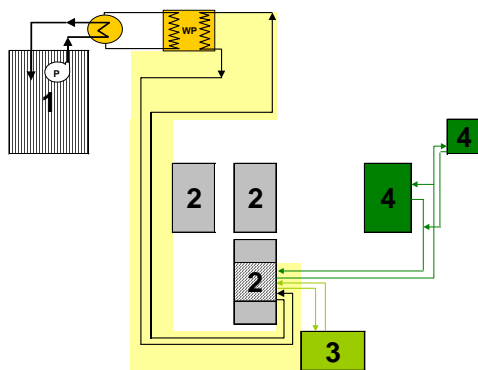
Budget: 35.000 €

Site location & potential user of geothermal energy

- 1 Shaft 208 (Geothermal reservoir)
- 2 „Glück-Auf-Siedlung“ area Schlema
- 3 Potential location of green house complex
- 4 Technical Inspection Agency-building

Initial Situation:

The constructed geothermal reservoir with approx. 35 m³ of mining water of about 28 °C is the uranium mining of flooded area Schlema-Alberoda.



Provided services:

- Variant specific design of heat pump facility
- System preliminary planning
- Evaluation of economic efficiency (operating costs, total costs, comparison with conventional heating system)
- Environmental assessment
- Evaluation of legal situation (Water Resources Act, mining law, radiation protection clause etc.)