geoENERGIE Konzept

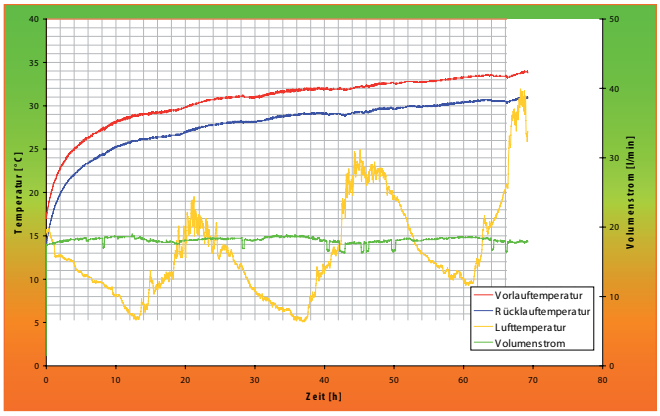
Thermal Response Test

principle

- The Thermal Response Test is an international approved technique to identify geothermal underground parameters. Thereby an vertical loop is loaded with a defined heat an the environment is stimulated to a thermal response.
- Determined variables display important input parameters for the design of loop systems.
- Thus a financial improvement of the geothermal system and a guarantee of the heating and cooling load are given.

measurement results

- undisturbed ground temperature
- effective thermal conductivity
- thermal borehole resistance



general conditions

- completed and filled loop system
- 72 hours test period
- permanent power supply
- water for filling the system

smarTRT

- integrated data transfer
- compact construction
- complete isolation

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