

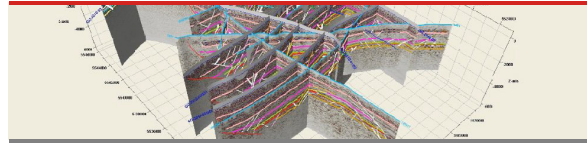
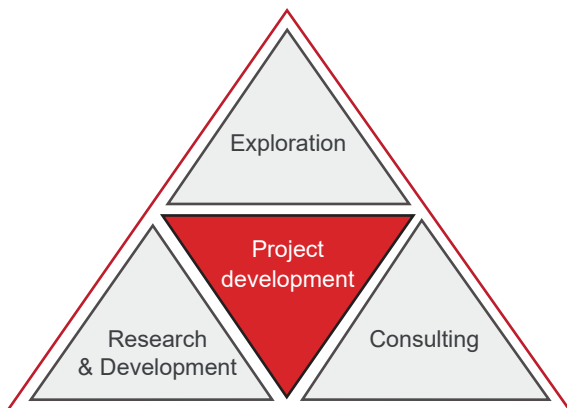


Company profile

GeoThermal Engineering GmbH (GeoT) is an engineering consultancy and project developer for deep geothermal energy projects. The company based in Karlsruhe, Germany joins a professional and qualified team of geoscientists and engineers with long-term experience in the geothermal market.

GeoT's portfolio includes the entire project development, ranging from preliminary geological studies to exploration campaigns and supervision of drilling and testing. Furthermore, GeoT is integrated in several research and development projects in cooperation with well-known universities and research utilities.

With its different business segments and an active international network, GeoT offers comprehensive solutions for geothermal project development worldwide.



Exploration

Profound exploration is essential for the success of a deep geothermal project. It comprises a variety of different methods to explore and characterize the geothermal resource.

GeoT designs optimally adapted exploration programs for each project by individual composing of the different exploration methods. GeoT's services comprise:

- Preliminary studies
- Development of exploration strategies
- Geological field surveys
- Geochemical surveys (incl. isotopic analyses of noble gases)
- Planning and supervision of geophysical exploration campaigns
- Evaluation and interpretation of underground data (e.g. 2D/3D seismics, geophysical log data)
- Geological 3D underground modeling
- Geomechanical modeling
- Thermohydraulic modeling
- Target definition
- Pre-feasibility studies
- Approval procedures
- Tender management
- Geological well planning
- Wellsite geology
- Planning, evaluation and interpretation of hydraulic testing
- Feasibility studies



Consulting

GeoT is your reliable contact for any queries concerning deep geothermal energy. Our clients are companies and enterprises from industry and economy, public utilities, cities and municipalities as well as politics and associations of the renewable energy sector. GeoT's consulting portfolio includes:

- Market research
- Utilization concepts
- Political consulting
- Management consulting
- Economic consultancy services
- Financing and funding
- Risk mitigation
- Public relations
- Project management
- Technical due diligences

Project development

In cooperation with partners and investors, GeoT develops national and international projects in regions that offer favourable conditions for a sustainable heat and/or power production from geothermal energy.

GeoT is member of the Geothermal Group Germany (GG, www.geothermal-group.com), an association joining the individual expertises of eight German companies. In this way, GG offers the entire value chain of geothermal project development.



GeoThermal

ENGINEERING



Research & Development

Since the company was founded in 2005, GeoT has been involved in many big and small, national and international research projects.

GeoT activities include:

- Project initiation
- Project coordination
- International networking of research activities
- Application procedures
- Scientific research

Lifecycle management

Scaling and corrosion are serious problems in geothermal wells that may strongly affect the well integrity, productivity and injectivity. In order to guarantee long-term optimum performance, regular maintenance is of decisive importance. GeoT's portfolio includes:

- Condition assessment
- Conceptual design of workover activities
- Tender management
- Approval management
- Supervision of workover activities
- Assessment of success

At the end of a project, GeoT is your reliable partner for the plug and abandonment (P&A) operations, offering:

- Design and planning of P&A operations
- Approval management
- Tender management
- Supervision of P&A operations

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UNLOCKING GEOTHERMAL POTENTIAL

