



Bundesverband Erdgas,  
Erdöl und Geoenergie e.V.



## GEOTHERMAL ENERGY

# BVEG Supports Activities to Use Deep Geothermics as Part of an Environmentally and Climate Friendly Energy Mix in Germany

## An Inexhaustible Energy Source: Deep Geothermics

Deep geothermics is considered as a significant, inexhaustible energy source which has the advantage to deliver clean energy regardless of weather conditions. Using geothermal energy represents the greatest development potential among renewables in Germany and may contribute significantly to climate protection.

### Sustainable district heating

As Germany is abandoning its coal-fired power stations, it is losing its most important source for district heating supply in urban areas. In addition to combined heat and power generation, this creates new opportunities for the industry's geothermal energy projects.

The German Association of Gas, Oil and Geoenergy (BVEG) and the E&P and service industry it represents have comprehensive technical and geological knowledge, as well as data and information required in the field of deep geothermics. That is why the industry can make a major contribution to the development of solutions for the energy transition and supports it especially regarding the potential heat supply of urban areas.

## BVEG as a counterpart

### Know-how and experience

The E&P industry, service suppliers and deep geothermics operators cooperate to promote deep geothermics across associations proactively as a significant part of an environmentally and climate friendly energy mix in Germany.

### BVEG sees itself as “partner of choice” to establish deep geothermics, especially when it comes to

- implementing operational experience,
- integrating standards and technical rules,
- developing innovative technologies,
- using subsurface and downhole know-how,
- establishing state-of-the-art environmental and safety standards.

### Cooperation as a success factor

Cooperation on all levels of value creation, beyond company and association borders, will be a significant factor for the success of deep geothermics. In this respect, deep geothermics can benefit from the BVEG members' decades-long operational experience. By supporting research and pilot projects, our aim is to contribute our underground and surface expertise to the entire value-added chain of deep geothermics.

# BVEG's Contribution as a Cooperation Partner for Deep Geothermics:

## 1. Partaking in a cross-association strategy for large-scale industrial deep geothermal projects with combined heat and power generation and for heat supply in urban areas.

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Enabling access to technical and geological information and data about the subsurface.

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Supporting and delivering expertise for the development of innovative, adequate technologies.

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Discussions across associations boundaries about a state promotional programme for project financing and risk protection.

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Discussions across associations boundaries promotion of access to existing district heating networks for deep geothermics and communication with adequate user industries and stakeholders for the local heat market usage.

## 2. Proactive support to research and pilot projects during the evaluation and implementation stage

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Support to research and pilot projects in cooperation with the German Society for Petroleum and Coal Science and Technology (DGMK), universities and other research institutions.

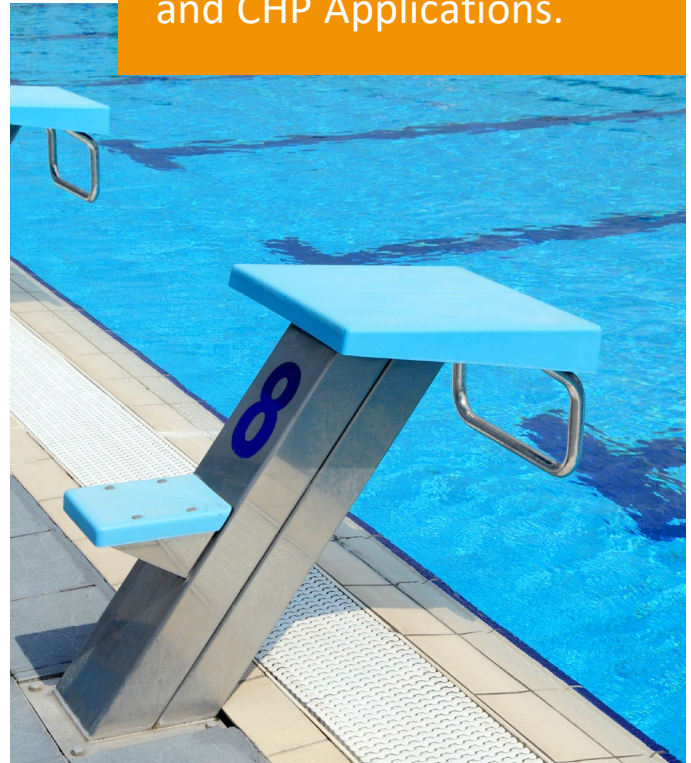
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Participation in the identification of deep wells considered to be plugged which could be used for deep geothermics, and integration of interests in the course of transfer of use.

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Support for dual target projects (for petroleum and deep geothermics).

Establishing Deep Geothermics Together in Germany for Various Heat and CHP Applications.



## 3. Integration of standards and technical regulations into deep geothermics

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Extension of the BVEG well integrity standards to the particular requirements of deep geothermics for discussion with project owners and engineering consultancies.

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Cooperation with state authorities, project owners, risk bearers and engineering consultancies to further develop the BVEG technical regulations regarding sub-surface aspects of deep geothermics projects for the project planning and execution stages.

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Intermediary when it comes to identifying experience and expertise within the BVEG member companies.

**BVEG**

Bundesverband Erdgas,  
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German Association  
of Gas, Oil and Geoenergy

info@bveg.de  
www.bveg.de

Hannover Head Office  
Phone: +49 511 121 72-0  
Fax: +49 511 121 72-10  
Schiffgraben 47  
D-30175 Hannover

Berlin Representative Office  
Phone: +49 30 5050 88 9-0  
Fax: +49 30 5050 88 9-29  
Friedrichstraße 95  
D-10117 Berlin