



Geoscience for a sustainable Earth

# brgm

**Expertise to support your geothermal projects  
for heat and power production**

FOR A GREEN AND SUSTAINABLE ENERGY



CSEM MONITORING IN REYKJANES GEOTHERMAL FIELD, ICELAND ©BRGM



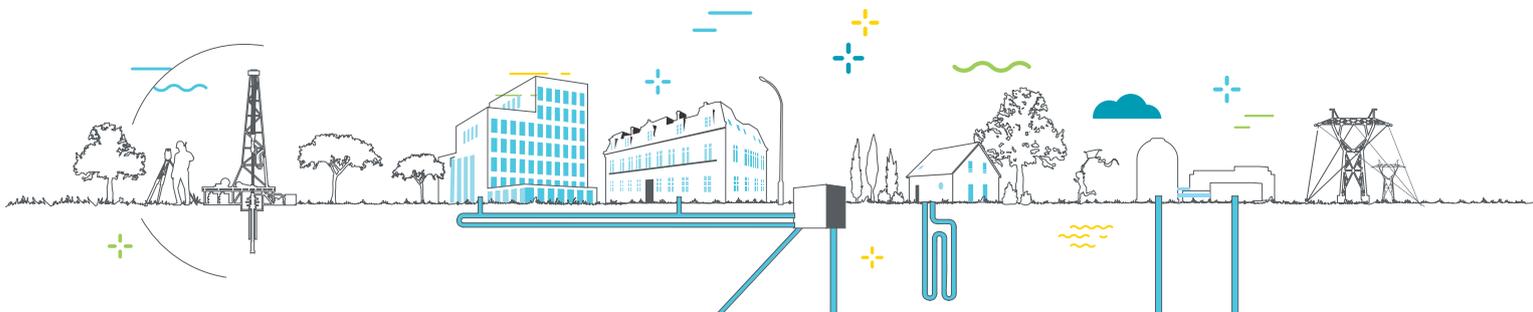
BRGM ACTIVE IN SOME 40 COUNTRIES



BOUILLANTE GEOTHERMAL POWER-PLANT ©BRGM

**GEODEEP**  
FRENCH GEOTHERMAL CLUSTER FOR HEAT AND POWER

 **EUROPEAN  
GEOTHERMAL  
CONGRESS  
2022**





STAFF: OVER 40 PEOPLE



€4.5M TURNOVER



> 50 PROJECTS

## PRESENTATION - WHO WE ARE?

### EXPERTS, RESEARCHERS AND ENGINEERS

- Expert services to support and promote geothermal projects in all the French territories and worldwide
- Advanced analytical and experimental facilities
- Numerical simulations of coupled issues in geothermal
- Innovative geochemical & geophysical methods

### TRAINING BODY

- Training for all geothermal energy players

- Formation of the next generation of geothermal engineers and researchers (courses in Universities, internship, PhD...)

### WORLDWIDE INVOLVEMENT

- Reference organisation for geothermal energy since the 1970s, with several hundred of publications and involvement in numerous international geothermal projects (ENGINE, HITI, IMAGE, DEEPEGS, GEMEX, REFLECT, EUGELI, HEATSTORE...)
- Diverse and worldwide partnership and clients: French and foreign institutions and companies, multilateral funding agencies (European Union, World Bank)...

## OUR KEY REFERENCES

- Our experimental platform at the Orléans site dedicated to test and improve closed loop ground heat exchangers
- More than 30 years of experience in the Paris Basin (over 100 operational wells making up the world's highest density of successful geothermal operations at low temperatures for direct heat uses)
- Numerous projects of geothermal exploration for electricity production from high temperature resources (in some 40 countries), and close involvement in explorations and development of the Bouillante geothermal field, in Guadeloupe
- Cutting-edge electricity/heat and lithium production at the Soultz-sous-Forêts site and in other EGS sites of the Upper Rhine Graben, in Alsace

## OUR AMBITION AND GEOTHERMAL OBJECTIVES

- We are involved throughout the whole line in geothermal from resource mapping, potential assessment, reservoir exploration, development, management and monitoring
- We use multidisciplinary approach, combine advanced analytical, experimental and numerical methods
- We are involved in the tomorrow's innovative solutions: reshape the underground usages for energy transition, next-generation geothermal (Enhanced and Advanced Geothermal Systems, supercritical systems...) and innovative energy storage solutions (HT heat, H<sub>2</sub>...)

**GEODEEP**  
FRENCH GEOTHERMAL CLUSTER FOR HEAT AND POWER



## TO CONTACT US

**BRGM**  
GEOTHERMAL ENERGY AND  
ENERGY STORAGE DEPARTMENT

3, Avenue Claude Guillemin  
BP 36009  
45060 ORLEANS CEDEX 02 - FRANCE

GEOTHERMAL@BRGM.FR

[www.brgm.eu](http://www.brgm.eu)  
[www.geothermies.fr](http://www.geothermies.fr)  
<https://plateforme-geothermie.brgm.fr>