



- Renewable energies
- Geothermal energy



Geothermal energy

Our strengths

- **Skills and multidisciplinary expertise** making it possible to contribute to all the building blocks in the geothermal energy value chain:
- Geosciences,
- Thermodynamics,
- Geomechanics,
- Fluid mechanics,
- Physical chemistry,
- Microbiology,
- Process design and modeling,

- Applied mathematics, digital technologies,
- Economics.
- **Advanced numerical tools** for underground management developed for oils and gases and transferable to geothermal energy:
- Reservoir modeling, incorporating adapted thermodynamics, thermicity and fluid-rock interactions,
- Basin modeling, incorporating the estimation of thermal exchanges on a basin scale
- A dual approach combining:
- experimentation,
- simulation.
- Proximity with industrial players and a knowledge of market needs based on listening to customers.
- Applied research and a capacity to address operational problems immediately.
- The integration of the Life Cycle Analysis (LCA) dimension from the outset of projects.

Contact



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Link to the web page: