



# Geothermal solutions

## Geothermal solutions

Learn how geothermal energy can provide 24/7 clean power, heat, cooling, storage, minerals, and more from the National Renewable Energy Laboratory (NREL). Disc...

Experience and expertise to redefine possibilities in geothermal.

Work with our dedicated geothermal team and benefit from 40 years of geothermal experience - from evaluating your reservoir to choosing the right technology.

Our geothermal experts partner with customers across the project lifecycle - from exploration to planning, from drilling to production, to heat utilization. We've worked across the globe to deliver safe, renewable geothermal energy.

Our turbine portfolio offers complete power-generation solutions for both steam flashing applications and lower enthalpy Organic Rankine Cycle applications--delivering reliable energy supply with best-in-class efficiency and low total cost of ownership.

An operator in Iceland wanted to harvest energy from an enhanced geothermal system (EGS) at supercritical well conditions. Next-generation drilling technology was needed to effectively build a well under the extreme environment with a measured depth of 5000 m and a static temperature of 550°C.

Baker Hughes developed a prototype metal-to-metal mud motor with a mud-lubricated bearing assembly and a titanium transmission. Engineers also developed a new roller cone bit with all-metal cone seals, all-metal bellow for grease pressure compensator, and a new grease that maintains lubricity at high temperatures.

Our portfolio of time- and application-tested products, from drill bits to rotary steerable systems, are designed especially for high-temperature, harsh conditions. Our subsurface experts, located in nearly every geothermal region, are authorities on hot reservoirs, geomechanics, and reservoir chemistry.

The reliability built into our geothermal completion & production technology lets you optimize costs, even during the costly drilling and exploration phases. We design for speed and adaptability - so your cost is less and your return is more.

Our cementing and spacer solutions ensure the integrity of your well, and our production chemicals solutions keep them corrosion-free - so they're set for life and producing as you expect.

Our turbomachinery solutions deliver reliable energy supply with best in class efficiency and low cost of ownership.



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Baker Hughes is the geothermal energy expert. Learn more about how Baker Hughes is the only company in the world that can provide subsurface and surface products and services from planning to power generation.

Contact us for free full report

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