



Latest geothermal technology trends



Overview

This blog takes a deep dive into the IEA's findings, exploring the current state of geothermal energy, key trends in global deployment, and the opportunities ahead for scaling geothermal as a major clean energy source. Geothermal Market Report delivers an in-depth update on the state of geothermal energy in the United States by expanding on the 2021 U. Geothermal Power Production and District Heating Market Report. Department of Energy's (DOE's) National Laboratory of the. Following a successful Geothermal Innovation Days in Strasbourg (3 - 4 December 2025), ETIP Geothermal is proud to present the second edition of the Geothermal Innovation Trends report, which has been produced in partnership with the European Geothermal Energy Council (EGEC). The geothermal sector. Get ThinkGeoEnergy in your inbox today! We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. Geothermal energy has gained prominence as a sustainable solution for heating and cooling, driven by technological innovations and the growing global demand for energy efficiency. Energy demand in the United States is projected to grow roughly ten times as fast in the coming decade as it did over the past ten years.



Article Content

Geothermal Innovation Trends 2025

This 2025 report on Geothermal Innovation Trends covers general trends with a particular focus on innovations in terms of "market ready" technologies and first demonstrations of ...

Emerging Trends in Geothermal Power: A Technology Perspective ...

Discover the booming geothermal power market projected to reach \$25.22 billion by 2033, with a 7% CAGR. Explore key drivers, trends, and challenges across North America, Europe, ...

Recent progress and emerging technologies in ...

Geothermal energy has gained prominence as a sustainable solution for heating and cooling, driven by technological innovations and the growing ...

New Geothermal Technology Aims to Produce Clean Energy in Germany

Developers are using a new geothermal technology in Germany to produce clean energy. Detail of the teeth of a drill bit that will be used in the next phase of drilling.

How Clean, Next-Gen Geothermal Could Power The ...

Geothermal power is stepping up. New drilling tech, pioneered by Fervo Energy, could tap heat nearly anywhere—transforming it into a global, ...

An introduction to the next clean energy frontier: ...

This blog takes a deep dive into the IEA's findings, exploring the current state of geothermal energy, key trends in global deployment, and the ...

2025 U.S. Geothermal Market Report | NLR

Developed by the U.S. Department of Energy's (DOE's) National Laboratory of the Rockies and Geothermal Rising, the report presents geothermal technology, cost trends, and market ...

Unlocking larger flow and higher temperature with ...

In 2025, enhanced geothermal systems advanced from demonstration to commercial-scale deployment, supported by continued ...

ThinkGeoEnergy

Geothermal drilling in Kalisz, Poland to start May 2026 following contract signing 25 Feb 2026

The future of next-generation geothermal energy

Next-generation geothermal energy approaches can be deployed in many more locations, and thanks to recent technological advances, they are on ...

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