

Who is fervo energy?

Fervo Energy is an energy resource company focused on harnessing heat through enhanced geothermal systems (EGS). It was co-founded in 2017 by Tim Latimer, a mechanical engineer who worked as a drilling engineer at BHP until 2015.

How many ferro-alloys does China produce a year?

According to the country's National Bureau of Statistics, China's annual ferro-alloys output in 2023 was 34.74 million tonnes, up by 2% compared with 2022's 34.10 million tonnes.

What is fervo energy's project Red?

Fervo Energy's full-scale commercial pilot, Project Red, in northern Nevada. Geothermal startup Fervo Energy announced a key technical milestone on Tuesday, paving the way for geothermal energy to play a bigger role in the transition to clean energy. Fervo drills deep wells and pumps water into them.

Will fervo energy provide green electricity to alphabet's cooling centres?

In 2021, Fervo Energy partnered with Alphabet, the parent company of Google, in hope that Fervo can provide green electricity to Alphabet's cooling centres in the Las Vegas cloud region which met the three demands of Alphabet: baseload, green sourced and nearby.

Will fervo be able to commercialize geothermal energy?

Fervo still has a long road ahead from building a pilot plant to commercializing geothermal energy at scale, but Wilson Ricks, who works in Jenkins' lab at Princeton and cowrote a paper on the role of geothermal energy in future decarbonized energy systems, says Fervo's technical milestone is a real milestone.

How does fervo energy work?

Fervo Energy drills deep wells and pumps water into them. The water grows hot from the heat of the earth, then Fervo pumps it back to the surface, where a turbine converts that heat to electricity. On Tuesday, it announced the completion of a 30-day test where temperatures in the well reached roughly 375 degrees Fahrenheit.

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"Northern China will have a bigger market share in ferro-alloys, because of access to green electricity, while southern smelters may face being shut down or being phased-out under the fierce competition."

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Underdeveloped renewable energy facilities in China, difficulty in generating green power during cold weather, and weaker ferro-alloys exports from the country are some of the obstacles in the adoption of green ferro-alloys premiums, sources said.

At least 10 ferro-alloy producers in China are now producing green products certified by the China Metallurgical Industry Planning and Research Institute (MPI), including ferro-chrome, ferro-manganese, ferro-silicon and silico-manganese.

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