

green therma



Heat for everyone. Forever.

Geothermal heat solution

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Why geothermal?

With geothermal, utilities and industries alike are able to tackle today's heat challenges reliably, efficiently, and with long-term impact.

Our solution sets a new standard for harnessing renewable heat from the Earth's crust, combining a high-performance solution with low operational complexity and eliminating most geological risks.

Geothermal gives you:



Renewable heat independent of fuel and electricity.

Low-emission heat from the Earth's interior.



Heat for any need, anywhere.

Flexible, scalable, and local heating for e.g. district heating and industry.



Secure and stable heating in a changing world.

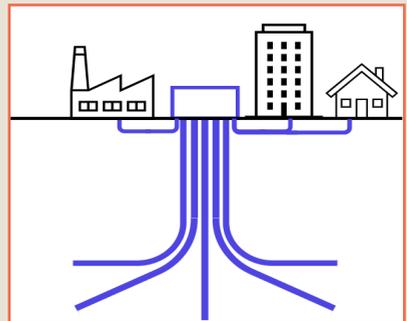
Unaffected by global events. Reliable heat for current and future generations.



A long-term investment with competitive prices.

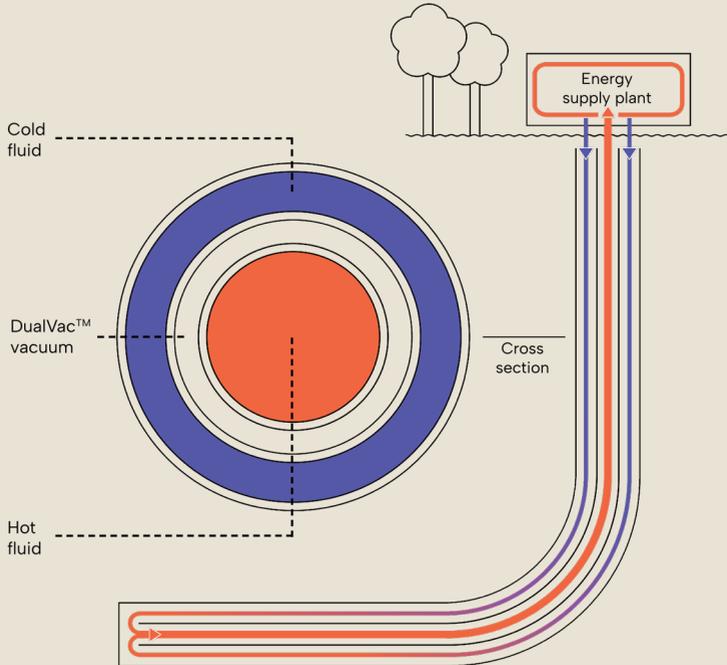
Low operational costs and long lifespan enable competitive heating prices without subsidies.

Our geothermal well solution gives industries and district heating utilities access to the abundance of untapped, local, renewable, and reliable heat hiding beneath our feet.



How does Heat4Ever™ work?

Heat4Ever™ captures the constantly emitted energy from the Earth's core and turns it into clean, usable heat of +100°C at surface level. Safely, reliably, and without interfering with the subsurface.



The system circulates working fluid in a closed system, running it inside the pipes placed deep underground in hot rock. As the working fluid moves within the pipe, it absorbs natural heat from the surrounding rock. This energy is brought back to the surface and can then be used for district heating or industrial processes such as horticulture, breweries, campuses, and medical centers.

A key feature is our patented DualVac™ vacuum technology. This innovation creates a continuous vacuum over the entire pipe-string, insulating the hot sections of the pipe from the cold. DualVac™ thus functions as a thermos flask, preserving the heat as it moves toward the surface.



Who is Green Therma?

Geothermal innovation built on experience

Our Heat4Ever™ solution builds on decades of proven engineering expertise from the drilling service industry. From drilling methods to pipe materials, the system utilizes components that have been tested many thousands of times in the world's most demanding environments, ensuring the use of readily available technology.

Our business model

In every project, our role is clear: we are the key technology partner helping geothermal developments succeed. We work closely with project developers, utilities, investors, asset owners, and our strategic business network of well companies and rig operators.



Our offering: Solution and services

At the heart of our offering is Heat4Ever™, an engineered system with our DualVac™ technology, topside units, and digital interfaces. We offer continuous geothermal monitoring and optimization services to help operators maximize output and ensure long-term performance.



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