

GEOTHERMAL POWER PLANT

Geothermal heat can be found everywhere on earth, and could be considered an unlimited resource of renewable baseload electricity. It is one of the only fully renewable sources of energy that can produce electricity 24/7, and it has the potential to replace the world's entire fossil fuel based electricity production.

Using natural, renewable, sources for heat power, in particular, geothermal heat, enables Climeon to produce sustainable electricity from beneath the earth itself. However, the biggest challenges for geothermal development are the costs and risks associated with exploration. Drilling for high temperature resources is often very expensive.

The Climeon Heat Power system operates at low pressure levels in comparison to traditional heat power solutions that require higher temperatures. By converting low temperature heat into clean electricity,

you can shorten the exploration time and cut the drilling cost by more than 50%.

By utilizing heat from temperature sources that are below 100°C, or 212°F, the Climeon Heat Power system will reduce the need for drilling new wells. With the Climeon system it is possible to reuse old wells, utilizing low temperature heat, thus increasing revenue, and speeding up the development time for projects.

Impressed?

In fact, the process is quite simple.

The Climeon system can be utilized both with large and small geothermal resources. The system can be attached to existing geothermal plants to boost production, integrated into new geothermal plants, or implemented in larger scale applications to power datacenters with 50 megawatt of redundant baseload electricity.



Did you know that geothermal power is one of the only fully renewable energy sources for baseload electricity generation?

In the illustration below you can see how Climeon is utilizing hot water from the ground to produce electricity and how the water is then returned to the ground at a lower temperature.

