



Advanced Geothermal Energy Systems by American GeoPower

The World's First Patented Closed Loop Molten Salt Geothermal Heat Collection System!



Geysers, hot springs, lava and volcanoes, fumaroles, thermal pools, and mud pots are all indicators of magma and the amazing amount of heat just under the earth's surface.

Problem

(Conventional Geothermal Systems)

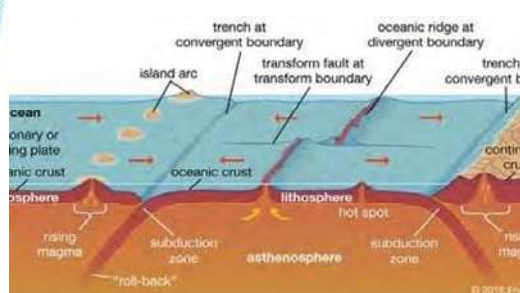
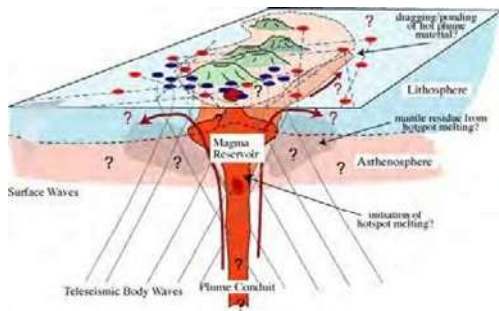
- ✗ Limited number of sites with hydrothermal flow enough for commercial utilization.
- ✗ Exploratory boreholes to find hydrothermal resources are expensive as they don't often find adequate resources every time. Worldwide hydrothermal resources are very limited and often difficult to access.
- ✗ Solar and wind power both operate at 25% capacity factor year-round because the sun isn't always shining and the wind isn't always blowing.
- ✗ Some geothermal resources may be located far from the end users. In this case it is cost prohibitive to bring these resources to market.
- ✗ Because conventional geothermal doesn't have storage, following peak demand isn't possible.
- ✗ Conventional Geothermal operating range 175°C - 260°C.
- ✗ In case of black outs brown outs, or emergency geothermal plant shutdown, toxic steam is often released in to the air.
- ✗ And Many More!

Solution

(Advanced Geothermal Systems by A.G.P)

- ✓ No hydrothermal resource required with our closed loop system. Unlock resources that weren't economically feasible before.
- ✓ No hydrothermal resource required. Worldwide accessible super-hot rock is extremely abundant and accessible almost anywhere.
- ✓ Our geothermal system runs above a 90% capacity factor. Our closed loop is in, geothermal powerplants can operate 24/7 with little down time for maintenance.
- ✓ Storage and transport of heat in molten salt allows our system to harness that heat in remote areas & transport it in an economically feasible way.
- ✓ With heat stored in molten salt, production can be adjusted to follow load, selling power at better process.
- ✓ Closed Loop Molten Salt Geothermal Heat Collection System range 250°C - 600°C.
- ✓ Our system stores thermal energy and can keep producing and storing that energy even when the grid is interrupted. No toxic steam releases!
- ✓ A.G.P has a granted patent solution for all of geothermal energy's challenges!

THREE KEYS TO SUCCESS



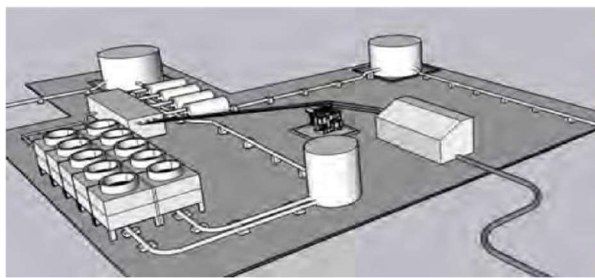
HEAT FROM MAGMA

Whether you have a mantle plume hot spot or subduction/abduction zone decompression melting, one thing is for sure, magma is hot at around 800°C- 1400°C! The rocks near a magma body are called hot rocks. A.G.P can now tap into this heat with our granted patent closed-loop system.



MOLTEN SALT

Molten salt is 2-4x as thermally conductive as water, it is environmentally benign, has a 30-year working life, is used in Concentrated Solar Power, and Molten Salt Thorium Nuclear Reactors. The salts in A.G.P's granted patents are some of the most abundant materials on the planet.



PATENTED CLOSED-LOOP MOLTEN SALT GEOTHERMAL HEAT COLLECTION SYSTEM

Eight granted patents in the USA, one international patent granted in South Africa, and patent pending in 32 countries. Harness, store, and transport heat in molten salt!

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Find out more! Please schedule a 30 minute slide deck presentation.



- The Heat is Under Your Feet! -

www.americangeopower.com

