CLIMEON HEAT POWER 150

Performance
10% efficiency
>50% Carnot
150 kW

Climeon, listed since oct 2017, Nasdaq

Mission: 70-120 °C heat → electricity

Market focus:
Iceland, Japan, WE, USA, CAN

Application focus:
geothermale, industry / storage, marine

Modularity, flexibility, bankability

Business model: sales & financing
Iceland, VarmaOrka: first 600 kW plant (distributed power)

- Onstream since October 2018,
- 10 months from contract to start.
- Upgrade to 1,2 MW planned.
- BEV funding for faster expansion
Project proposal – partners welcome!
Energy storage on a grand scale is required to enable the energy transition to non-fossile.

Storing hot geothermal water in a tank of DH dimensions allows flexible, on demand electricity production. Hot water storage requires operation of geothermal pump with typically high COP. Electrical input: excess intermittent solar / wind power. The concept enables large scale “electricity storage” (1 000 m³ = 2 MWh electricity) and sectorial coupling.

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