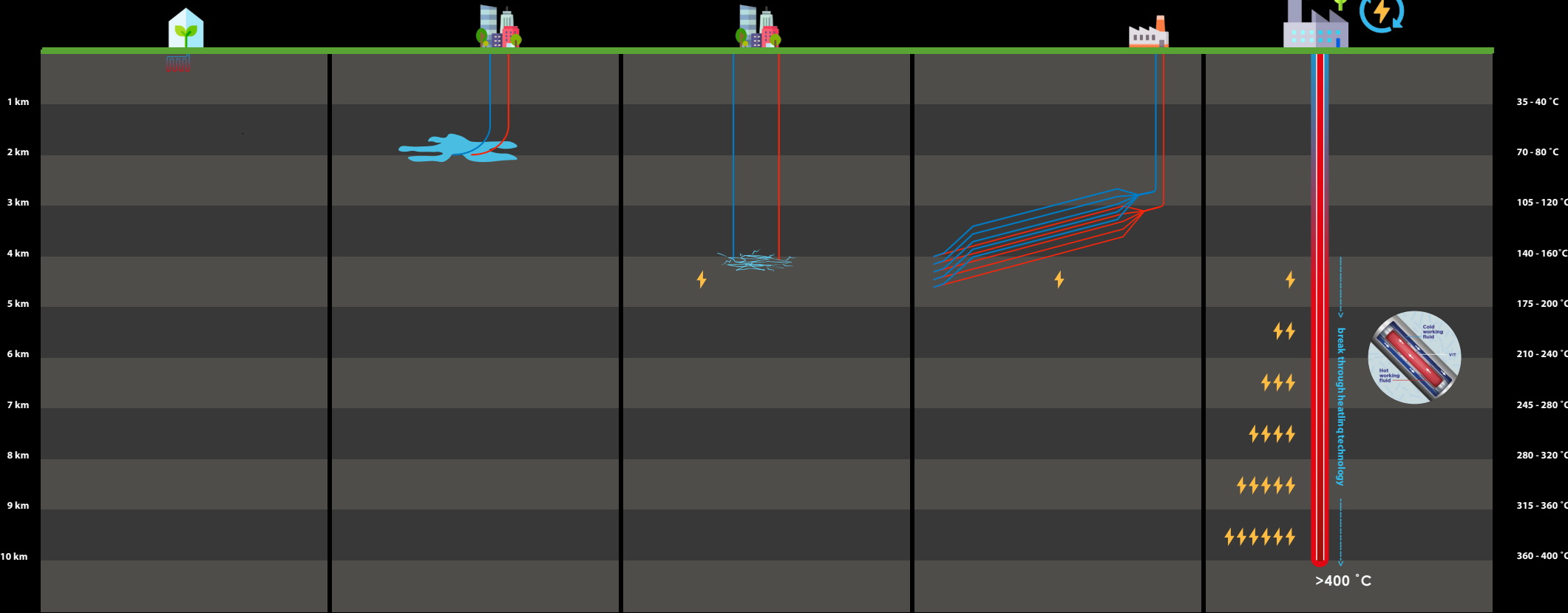


break through sovereign industrial geothermal energy

heatlinq°



Shallow geothermal TES/thermal energy storage

- ✓ Low investment costs
- ✓ Suitable for individual buildings
- ✓ Simple technology

- ✗ Low temperature
- ✗ Limited capacity
- ✗ For heating/cooling only

Application: Suitable for greenhouse or building heating

Energy: Heat

Aquifer-doublet Wells in aquifer

- ✓ Durable
- ✓ Independent of weather
- ✓ Small space requirement

- ✗ High drilling costs
- ✗ Location and surface dependent
- ✗ Risk of seismic or leakage

Application: Only applicable with suitable aquifers at the correct depth

Energy: Heat

EGS-doublet Enhanced Geothermal System

- ✓ Large scale possible
- ✓ Not weather dependent
- ✓ Low CO₂ emissions

- ✗ Fracking needed
- ✗ Expensive and technically complex, high capex
- ✗ Risk of earthquakes/pollution

Application: Large-scale heat demand

Energy: Primary heat, secondary electricity

Eavor-Loop Closed radiator-like system

- ✓ Closed system, no leakage
- ✓ Constant heat
- ✓ Compact

- ✗ High precision required
- ✗ High capex and technical complexity
- ✗ Limited depth due to electronics

Application: Large-scale heat demand

Energy: Primary heat, secondary electricity

Heatlinq Ultradeep closed loop

- ✓ Location independent, scalable
- ✓ High energy yield
- ✓ Clean baseload electricity, from > 4 km
- ✓ Single hole closed loop
- ✓ Patented technology

- ✗ High drilling costs/capex, this has no negative impact on energy prices for the consumer.

Application: Suitable for large-scale industrial applications

Energy: Primary electricity, secondary heat