

Steel and geothermal

By 2030 the world must reduce its CO₂ emissions by **12-14 gigatonnes** if it is to meet the target of keeping temperature rises below **2 degrees centigrade**.
Renewable energy sources will play a key role in achieving this.

Powering the world with geothermal

12.7 GW

Current installed geothermal capacity (2016)

1,400 TWh

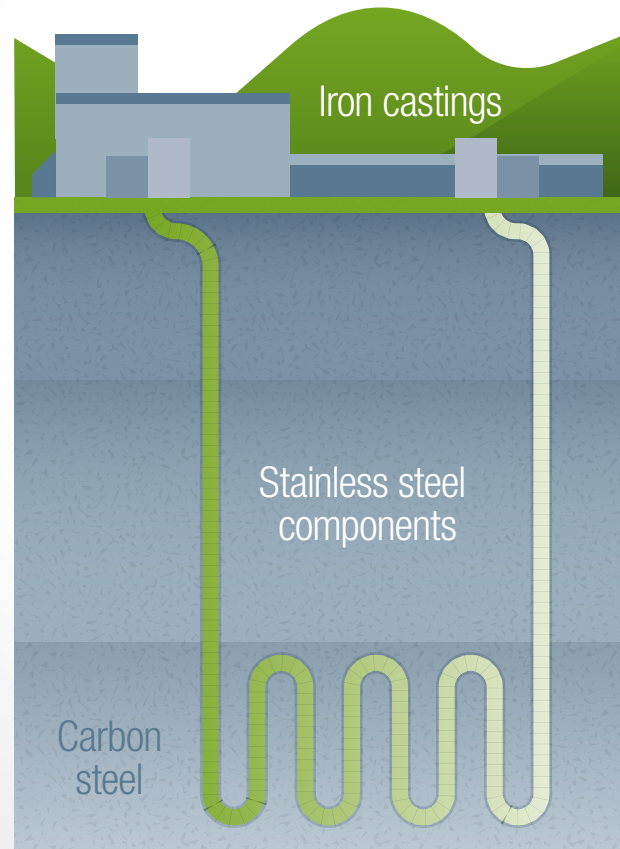
Potential level of geothermal electricity generation (terawatt hours) per year by 2050



800 megatonnes of CO₂ emissions

The level of emissions avoided through reaching 1,400 TWh of geothermal electricity

Ground source heat pumps are manufactured using:



The world's largest geothermal complexes:

1. **1,520 MW** Geysers Complex, California, USA



2.

769 MW

Larderello Geothermal Complex, Tuscany, Italy

3. **720 MW**

Cerro Prieto Geothermal Power Station, Baja California, Mexico

Wind, solar, tidal, geothermal – steel will play a key role in the transition to a more sustainable future energy mix.