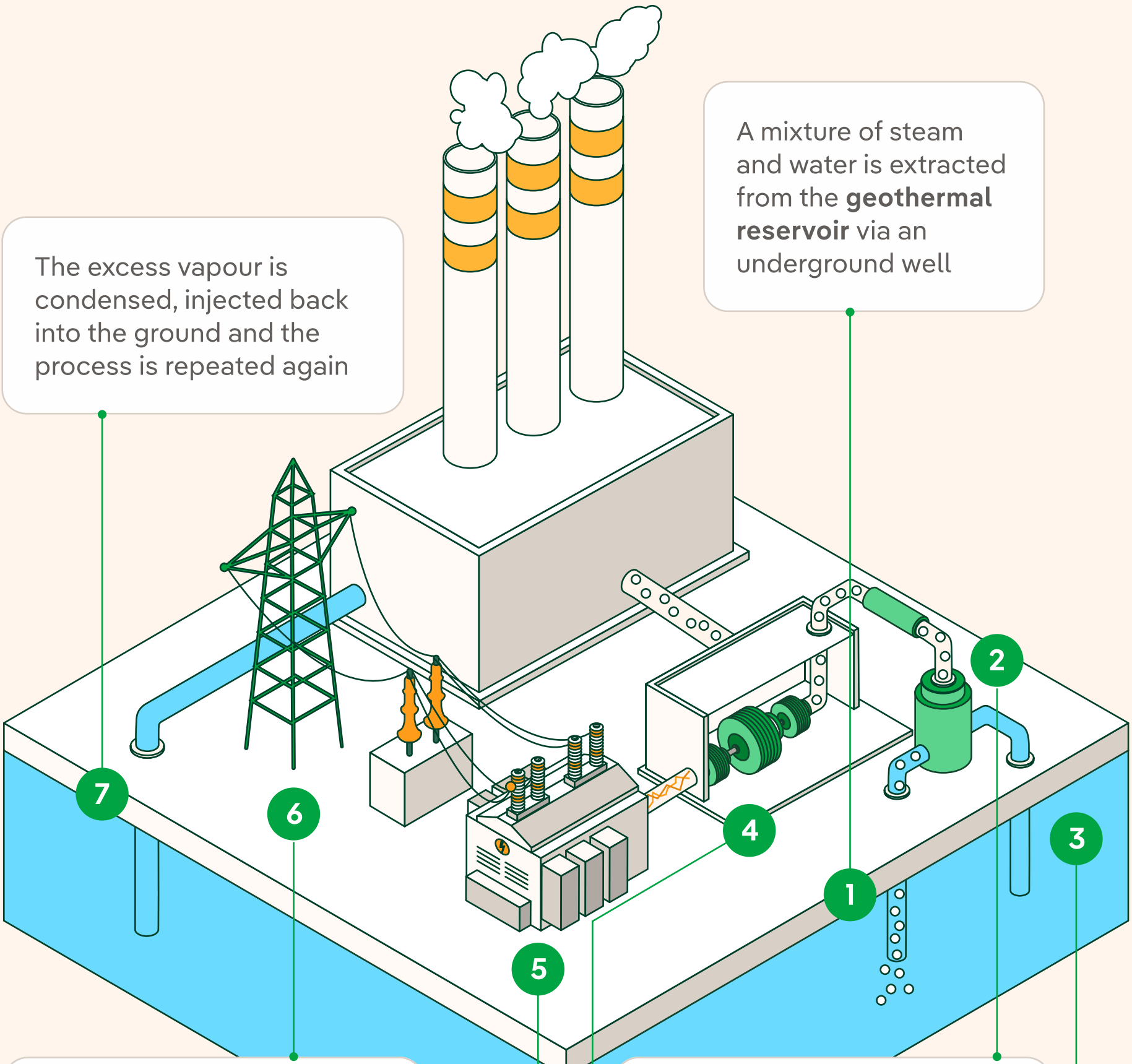
How does a **geothermal power plant** work?



A mixture of steam and water is extracted from the **geothermal reservoir** via an underground well

The excess vapour is condensed, injected back into the ground and the process is repeated again

A **transformer** sends the electricity to the substations, which transfer it to the distribution network

The mixture reaches the **cyclone separator**, where the vapour is dissociated from the water molecules

The generator transforms mechanical energy into **electrical energy**

The extracted steam turns a **turbine** (mechanical energy), which in turn drives an electric power generator

The liquid water is **returned to the ground** to be reheated