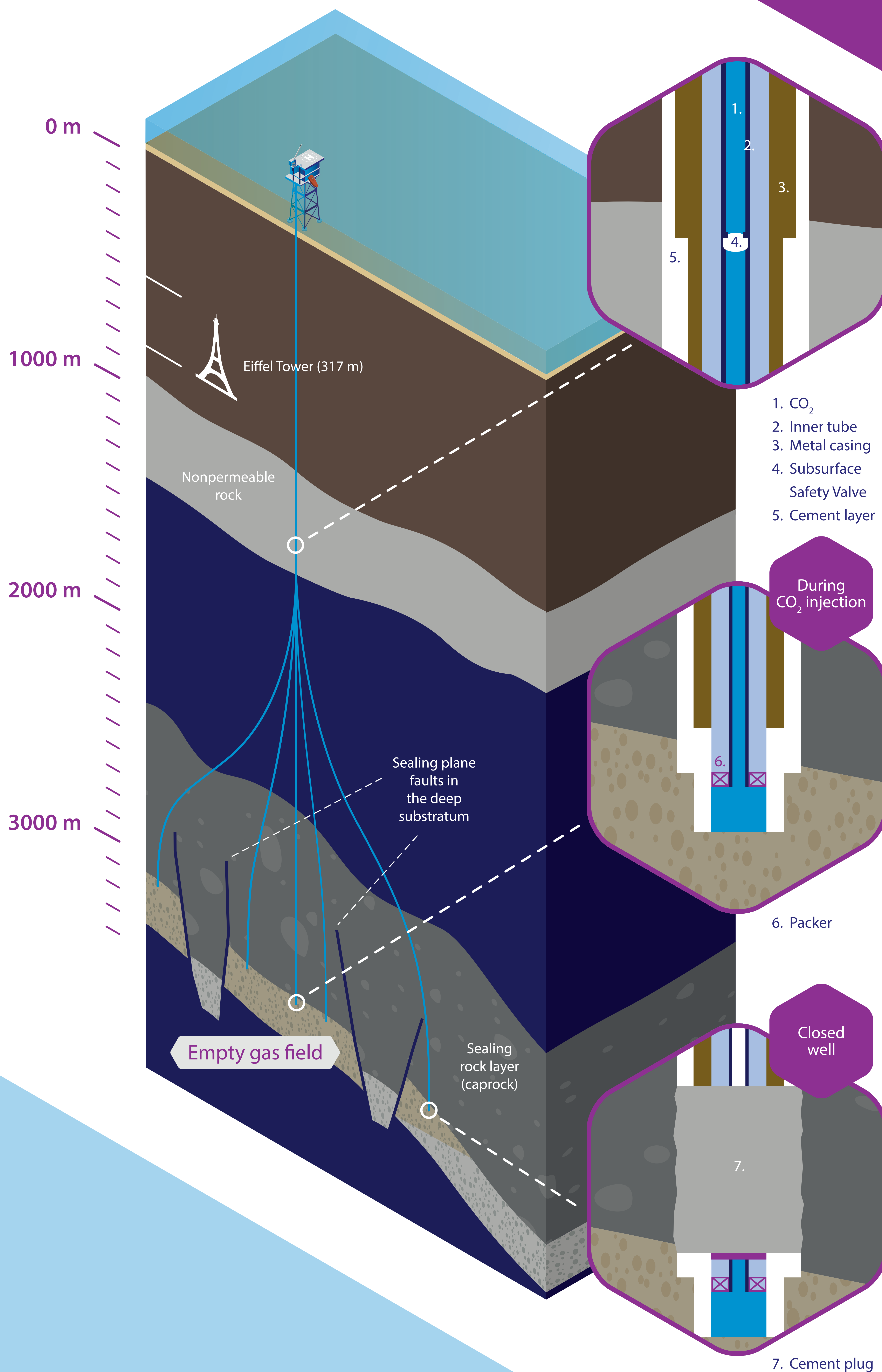


CO₂ storage

The maximum storage capacity is approximately 37 Mt CO₂. With an average of 2.5 million tonnes of CO₂ being stored per year, the capacity will suffice for 15 years.



The wells

The well is a metal casing that is cemented to the rock and brings the CO₂ into the reservoir. To make the existing wells suitable for CO₂ injection, a new inner tube is inserted into the well.

Monitoring equipment is installed in the wells, which checks the injected CO₂ for pressure and temperature.

After CO₂ injection is completed, when the reservoir is full and at the correct final pressure, the wells are closed with cement plugs.

The reservoirs

The CO₂ is stored in the pores of the sandstone, where natural gas used to be. The gas has been hermetically sealed off under high pressure for millions of years by the caprock and the sealing faults.

The pressure has decreased due to gas extraction and will increase again due to CO₂ injection. Monitoring and control ensure that the pressure in the reservoir never exceeds the level it had when gas extraction started.