

# WHAT IS CARBON CAPTURE AND STORAGE?

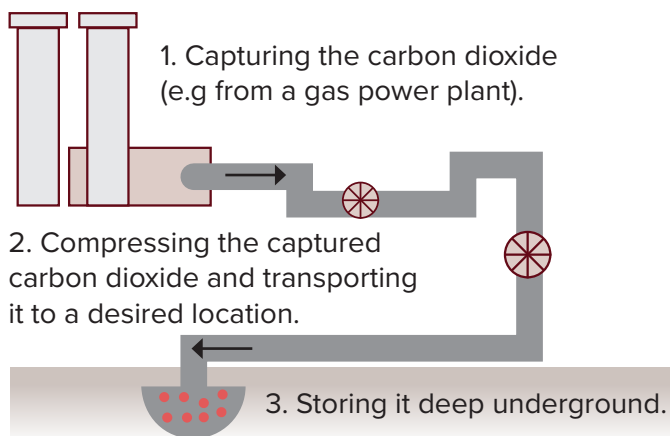


## The fossil fuel industry's latest greenwash

Carbon Capture and Storage (CCS) refers to different technologies designed to stop carbon dioxide emissions from places like factories or power plants from entering the atmosphere and worsening climate change.

Sounds too good to be true? That's because it is. CCS has been promised for decades but has never delivered. There are no working CCS plants in the UK or the European Union.

CCS is meant to work in three main phases:



In Scotland, the proposed storage site for captured carbon is depleted gas fields in the North Sea. The sea off Scotland could end up as a dumping ground for Europe's carbon.

There are fewer than 30 working CCS plants in the whole world. The vast majority of these have been used for Enhanced Oil Recovery, a process whereby oil and gas companies use the carbon captured to help them push out deep oil reserves that would otherwise be too hard to reach.<sup>1</sup>

Carbon Capture and Storage provides oil and gas companies with the excuse they need to keep on extracting fossil fuels, while claiming a magical technological solution is just around the corner.

Reliance on Carbon Capture and Storage keeps power in the hands of big business over communities. It risks diverting investment and limited resources away from proven actions we know can help achieve our crucial climate targets, create jobs and improve wellbeing such as insulating homes and boosting public transport.

Despite there being no working Carbon Capture and Storage plants in the UK, the government's climate advisors, the UK Committee on Climate Change, estimates that the total amount of carbon captured just in the UK in 2050 would need to be 4 times the entire global amount of carbon captured today.

Gambling that these technologies might work also leaves no long-term security for workers in the affected sectors. Time and money would be better spent on creating secure, quality, jobs through a just transition away from fossil fuels to renewable energy.

