



The
University
Of
Sheffield.



Carbon Capture and Storage

The cost of meeting climate targets will more than double if we don't start using carbon capture technologies. So what are we waiting for?

The situation

Carbon Capture, Use and Storage (CCUS) is the most valuable technology we have to fight climate change. That's the international consensus.

In the UK, the Energy Technologies Institute estimates that costs will rise by 40 per cent or an extra one per cent of GDP. The CCS Cost Reduction Taskforce calculates we can deliver significant savings if we invest in better engineering and develop new capture technologies.

The UN estimates that without CCUS the cost of meeting climate targets will increase by 138 per cent worldwide. The International Energy Agency (IEA) predicts that gas and coal use will continue to rise.

How we can help

Energy2050 has the research power, the technical know-how and the facilities to develop these new technologies. We have world-leading experts working in the following areas:

- Post-combustion and oxyfuel testing
- CO₂ utilisation technologies
- New monitoring technologies
- Storage modelling

Our pedigree

As the UK's official national testing facility for Carbon Capture and Storage (CCS), we've completed 360 days of testing on 18 projects, worth a total of £50m. With another 360 days already scheduled on projects up to 2017, our services are in demand.

- National CCS testing centre (PACT) operators
- Founder members of the UK CCS Research Centre
- Members of the International CCS Test Centre Network
- Home to the UK Centre for Carbon Dioxide Utilisation

Contact

✉ info@energy2050.ac.uk

