

Why we need CCS

(CO₂ Capture & Storage)

Without CCS, it will be extremely challenging and more costly to reach the emission reduction targets of the COP21 Paris

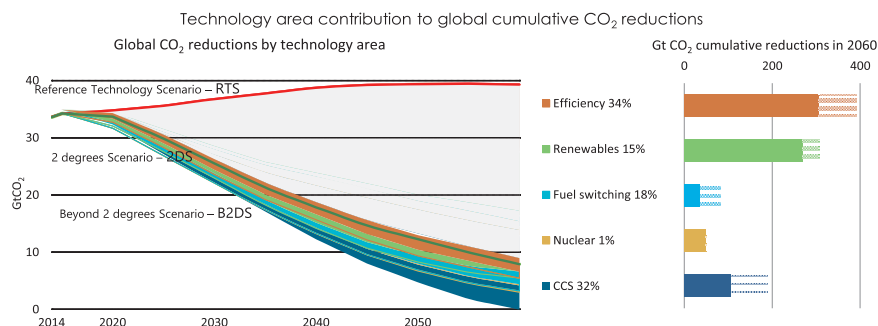
The challenge

Enable both global development AND reduction in CO₂ emissions. Consider that by 2050:

- global population will increase by 25%
- global GDP will increase by 150%
- global electricity demand will increase by 50-70%, as will that for
- steel, cement, chemicals from coal, plastic and other commodities

The reality

CCS plays a leading role in the energy transformation



Pushing energy technology to achieve carbon neutrality by 2060 could meet the mid-point of range of ambitions expressed in Paris

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We need to apply all the decarbonisation tools we have to keep average global temperature rise around 1.5°C (well below 2°C)

[Find more information](#)



The vital role of CCS

According to the IEA Energy Technology Perspectives 2016:

- CCS can contribute 12% of the needed CO₂ reductions
- CCS is the only method able to reduce emissions from many industrial processes (cement & steel manufacture, etc.)
- the cost of decarbonisation will be much greater without CCS
- when combined with bio-energy, CCS can reduce CO₂ levels in the atmosphere (essential for a neutral CO₂ net balance later this Century)

