

Capturing carbon

A means of reducing major sources of industrial CO₂ emissions may be within grasp.

Of all the long-term options to reduce emissions of greenhouse gases such as carbon dioxide, Carbon Capture and Storage (CCS) is one option which holds promise.

Through a process of separating carbon dioxide from gas streams, compressing it, transporting it by pipeline, and injecting it underground for safe storage, CCS technology could be applied to large emissions sources (such as coal-fired power plants), which produce nearly 60 percent of the world's man-made CO₂ emissions.

Currently, however, the technologies are expensive and further study is required on the long-term integrity of underground options for CO₂ storage.

To address these concerns, the European Commission is sponsoring in part a groundbreaking research initiative called "CO₂ReMoVe" to establish scientific monitoring standards and determine the reliability of geological CO₂ storage.

ExxonMobil has been involved in the development and utilization of these technologies in our own oil and gas operations and in

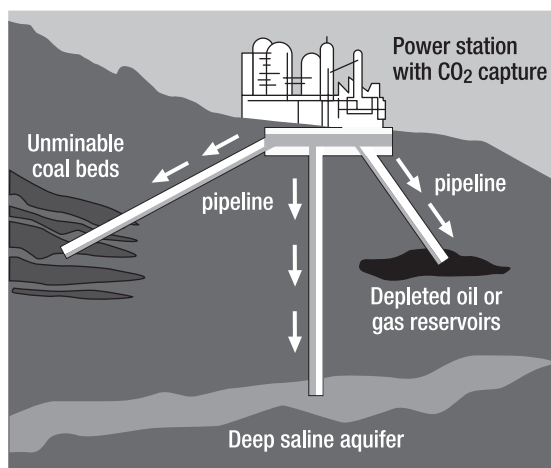
partnership with others for over three decades. This includes involvement with CCS in the North Sea Sleipner gas field where over one million metric tons of CO₂ have been sequestered each year since 1998.

That's why ExxonMobil is pleased to lend our financial support and technical experience to CO₂ReMoVe. We are also involved in CCS

research initiatives through the International Energy Agency Greenhouse Gas R&D Programme, the University of Texas, the Massachusetts Institute of Technology and the Global Climate and Energy Project (GCEP). In Europe, GCEP funds research at Delft University of Technology

and Energy Centre, both in The Netherlands, and at the Swiss Federal Institute.

Studies indicate that Carbon Capture and Storage technologies could be a major contributor to reducing CO₂ emissions over this century. By bringing key industry participants and research organizations together in this major scientific study, the CO₂ReMoVe project has the potential to help make this happen.



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