Danish Offshore Technology Centre
Technology Conference 2022

TITLE: Research to support CO_2 storage in existing O&G fields

SUBTITLE

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Please describe the content of your presentation with a few sentences (max ½ page)

Depleted reservoirs and existing infrastructure in oil and gas fields represent an opportunity for accelerated and cost-effective implementation of CO_2 storage, with;

- *a high chance of technical feasibility*
- *a large, well described and proven storage capacity*
- *decades of accumulated knowledge on subsurface behaviour*
- *existing subsurface and surface infrastructure*
- *distance to shore and inhabited areas*

However, using the existing O&G fields for CO_2 storage also adds complexity in terms of;

- *Potential risk of leaks through abandoned wells*
- *Hydrocarbons added to the storage equation in the reservoir*
- *Chalk being the dominant O&G reservoir type in Denmark whereas sandstone reservoirs are seen as the optimal reservoir for CO_2 storage*

This presentation will give an overview of how the research at the Danish Offshore Technology Center is addressing the complexity associated with reusing the existing O&G infrastructure for CO_2 storage.