https://www.og21.no/strategi-og-analyser/og21-strategien-2021/technology-and-knowledge-needs/environment-and-greenhouse-gas-emissions/?downloadChapter=true

INNHOLD

OG21 Strategy - A New Chapter

1. Executive summary
2. The future of petroleu in the energy transitio
3. The nee new tec to impro competit
4. Technolo and knowled needs
   - 4.1 Overvie of technol prioritie for all disciplir
   - 4.2 Safety workin enviro
   - 4.3 Enviro and greenh gas emissi
   - 4.4 Subsu unders

PUBLISERT 19. OKT. 2021 | OPPDATERT 6. NOV. 2021

Environment and greenhouse gas emissions

The prioritized technology and knowledge areas for TG1 are:

- Energy efficiency in offshore operations.
- Reduced cost of electrification.
- Offshore carbon capture, utilization and storage (CCUS).
- Lifecycle assessments.
- Leak detection and mitigation.
- Environmental risk assessment and management.
- Oil spill contingency.
- Environmental performance data.

The first three are addressing the need for reducing CO_2-emissions from the NCS, described in Section 3.3; whereas lifecycle assessments look at assessing environm impacts beyond the NCS geography (supply chain etc.). The next three are related to the “zero harm” vision and drive for continual improvement described in Section 3: 3.2. The final point looks at the coverage of and access to data which describes environmental performance.

Technology development includes development of knowledge. The technology strategy emphasizes the need for improved knowledge, improved risk understanding, an corresponding mitigating actions to ensure a sustainable effect on the environment from the oil and gas activities.

Implementation of new technologies might affect risk. Technology development within the environment and greenhouse gas emission perspectives will need to consider possible impact on safety by ensuring an integrated risk assessment of possible technology solutions.

CASE - TG1

HYWIND Tampen: The world's first renewable wind power for offshore oil and gas.

4.5 Drilling
compl
interve

	Link to technology table	

Environment and GHG emissions - prioritized technology and knowledge areas

→ Forrige side

→ Ne

Meldinger ved utskriftstidspunkt 9. november 2026, kl. 10.58 CET

Det ble ikke vist noen globale meldinger eller andre viktige meldinger da dette dokumentet ble skrevet ut.