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The green shift –extracting synergies from the oil and gas sector when establishing nuclear in Norway

Today, the oil and gas sector is by far the main driver in the Norwegian economy but also a main contributor to Norway's CO₂ emissions. To achieve the national goal of (close to) net zero emissions by 2050, it is of paramount importance to the Norwegian economy to identify and extract synergies from the oil and gas sector in the transition to competitive clean energy systems of the future. In the present paper we emphasise that investments in SMR technology can be an alternative to small- to medium sized oil and gas fields in Norway. SMRs may also play a crucial role in decarbonization and electrification of the oil and gas industry during the transition phase, while simultaneously enabling the use of process heat for CCS and the production of hydrogen and synthetic fuels. Further, similarities between the sectors may facilitate transfer of competence and work-force as well as supply chains between the industries while creating new business opportunities for the Norwegian oil and gas sector.

Country OR International Organization

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