

PRESS RELEASE



Alcatel Submarine Networks on board to build a DC/FO subsea control power and communication system for Northern Endurance Partnership (a joint venture between bp, Equinor and TotalEnergies)

ASN DC/FO will provide independent high electrical power and fiber connectivity to the subsea CO₂ injection wells

Paris, France – March 21, 2024

The **Northern Endurance Partnership (NEP)** and **Alcatel Submarine Networks (ASN)** have signed a Letter of Intent for the roll out of a DC/FO submarine cable infrastructure delivering power and communication toward subsea control systems of NEP CO₂ transport and storage project.

The standalone DC/FO, lean cable infrastructure, highly reliable and delivering high-power over long distances, will connect the Teesside onshore NEP infrastructure, to the subsea injection site located approximately 145km from the shore. The system is ready for future extension, from the same cable, to connect additional manifolds as the volume of CO₂ to be stored will increase.



DC/FO solution to be deployed on NEP, is based on standard products which allow to reduce project risks, costs and lead time. Following the successful commissioning and start-up of other DC/FO systems in 2023, this project represents another significant step forward for adoption of DC/FO technology as key building block for offshore carbon capture usage and storage (CCUS) and subsea production systems.



NEP, a joint venture between **bp**, **Equinor**, and **TotalEnergies**, is the CO₂ transportation and storage provider for the East Coast Cluster (ECC). The Teesside onshore NEP infrastructure would serve the Teesside-based carbon capture projects – NZT Power, H2Teesside and Teesside Hydrogen CO₂ Capture – that were selected for first connection to the

ECC by DESNZ in March 2023 as part of the UK’s cluster sequencing process for carbon capture usage and storage (CCUS). It is anticipated that around 4 million tons of CO₂ per year from these projects would be transported and stored from 2027.



Final contract award will be subject to receipt of regulatory clearances and final investment decisions (FID) being taken in September 2024 or earlier.

Alain Biston, President of Alcatel Submarine Networks said: *‘We are delighted to work in close cooperation with bp, Equinor and TotalEnergies on the development of a DC/FO system providing subsea control power and communications for NEP CO₂ storage infrastructure. This project is the opportunity for ASN, leveraging on subsea telecom and power conversion technologies manufactured in the U.K., to contribute to the fight against global warming’.*



About Alcatel Submarine Networks (ASN)

Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 800,000 km of optical submarine systems deployed worldwide, enough to go almost 20 times around the world. From traditional telecom applications to content and “over the top” service provider infrastructures, as well as to offshore oil and gas applications, ASN provides all elements of turnkey global undersea transmission systems, tailored to individual customer’s needs. An extensive services portfolio completes its comprehensive offering for the submarine business, including project management, installation, and commissioning, along with marine and maintenance operations performed by ASN’s wholly owned fleet of cable ships.

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