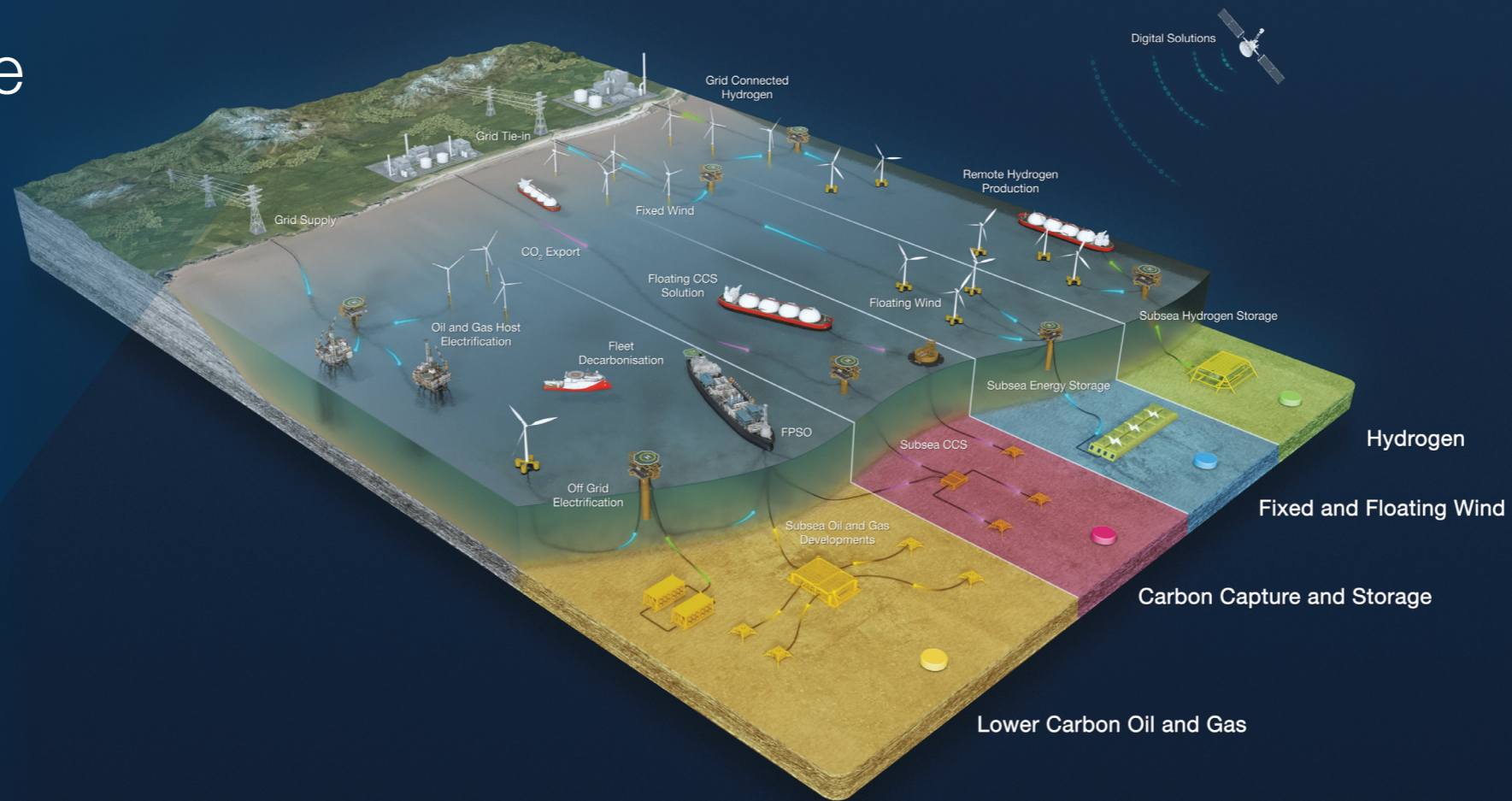


subsea 7

MAKE  
**RENEWABLES AND  
EMERGING ENERGIES**  
POSSIBLE



We create sustainable value by delivering the offshore energy transition solutions the world needs



Net Zero targets are redefining the energy landscape, driving a change from traditional oil and gas to renewables as key sources of power for the world.

Subsea7 is proud to support our clients through the energy transition.

We are adapting our considerable knowledge and experience in subsea oil and gas to provide innovative solutions, enabling products, support and guidance to enable the successful delivery of renewable energy projects globally.

Subsea7 is well-positioned to help meet this challenge with a strong presence across the offshore energy landscape including lower carbon oil and gas, carbon capture and storage, fixed and floating offshore wind and emerging energies such as hydrogen.

It's an exciting time that presents some challenges but also many opportunities.

# How we make renewables and emerging energies possible



Subsea7 is making renewables and emerging energies possible by enabling the change and innovation required to deliver projects in offshore wind and hydrogen, supported by carbon capture and storage and integrating energy systems through electrification.

We collaborate with energy companies across the world, applying our considerable experience in delivering subsea oil and gas projects globally.

We have 15 years' experience in delivering offshore wind projects and, to date, have contributed to the production of over ten gigawatts through the installation of foundations and electric cables in Europe, Asia and the USA. In 2022, Seaway7 supported the delivery of around 30% of the world's additional offshore wind capacity (outside of China).

We continue to invest in floating wind technology and are developing cost-effective, innovative, and pioneering solutions to help our clients achieve their floating wind goals.

In carbon capture and storage, we are supporting clients with evaluation studies and consultancy with a number of early engagement scopes underway and we are directly involved in Northern Lights, the world's first open-source CO<sub>2</sub> transport and storage project based in Norway.

Subsea7 aims to play a key role in making offshore hydrogen possible. We have completed our first client studies and are providing consulting services for several global clients.

# Offshore wind



Through Seaway7, we are a leader in the delivery of offshore wind farm solutions, putting our extensive experience to work for clients on a full 'engineer, procure, construct and install' basis or a 'transport and install' scope.

With a fleet of assets supporting the installation of foundations, cables, and turbines, we continue to help our clients thrive in this fast-growth sector.

Seaway7 successfully supported Seagreen, Scotland's largest offshore wind farm, and the world's deepest fixed foundation offshore wind farm. The Engineering, Procurement, Construction, and Installation (EPCI) scope for both foundations and cables on the project was one of the largest contract scopes delivered in offshore wind to date.

Floating offshore wind systems make a significant contribution to the energy transition by enabling the installation of renewable power sources in offshore locations where the water is too deep for fixed wind turbine generators.

From providing front-end development expertise and consultancy through Xodus and 4Subsea, to our installation of 11 inner array and two export cables on the Hywind Tampen development in Norway, we are using our unrivalled experience to help our clients make renewable energy possible in a range of floating wind projects.

Seaway7 is a leader in offshore wind farm solutions

seaway<sup>7</sup>

# Hydrogen



We are playing a key role in making offshore hydrogen possible, supporting the delivery of:

- Optimised and integrated solutions used in wind-to-hydrogen
- Offshore carbon capture and storage to support onshore blue hydrogen and ammonia production
- Infrastructure for subsea transportation and storage of hydrogen and associated power and control systems

As the hydrogen market matures and larger quantities of hydrogen are required, demand for offshore hydrogen production using power from offshore wind farms will increase. Where wind farms are further from shore, the energy they produce is more efficiently transported as hydrogen molecules through pipelines or vessels rather than as electrons in power cables.

By adapting our oil and gas experience and technologies to the transportation and storage of hydrogen, we are helping clients fulfil their hydrogen ambitions in a number of ways:

- Xodus, an autonomous Subsea7 subsidiary delivering consultancy and advisory services, is working with several global clients on hydrogen projects.
- We are developing integrated offshore production solutions including hydrogen storage.
- We will be involved in supporting the production of hydrogen from methane through the transportation of captured CO<sub>2</sub> to offshore storage locations.

We are a member of several industry forums and technology joint initiatives and will continue to work to build our position in this future market.

We are helping clients fulfil their hydrogen ambitions

# Carbon Capture and Storage



Offshore Carbon Capture and Storage (CCS) is the process of capturing CO<sub>2</sub> from heavy industrial emitters or upstream production sources and transporting it for injection into subsea reservoirs for storage and power generation.

CCS is an essential part of the drive towards reducing CO<sub>2</sub> emissions.

By adapting our oil and gas experience and technologies, we are helping clients fulfil their CCS ambitions in a number of ways:

Xodus is supporting clients in the evaluation of carbon capture projects in the UK, Europe and Australia and our in-house Field Development Group has a number of early engagement scopes underway with clients on carbon capture projects.

In 2022, Subsea7 began work on Northern Lights in Norway, the world's first open-source CO<sub>2</sub> transport and storage project, that will involve the installation of a pipeline supporting the storage of 1.5mt CO<sub>2</sub> per year.

Subsea Integration Alliance is actively developing integrated solutions for CCS and supporting clients from concept definition through to development and operation.

CCS is an essential part of the drive towards reducing CO<sub>2</sub> emissions

# How we Make Possible

Our unrivalled experience and approach in delivering energy projects brings value across the full energy lifecycle.

## Early engagement and system innovation

We passionately believe that early engagement and system innovation unlocks efficiencies and reduces total cost, leading to optimised solutions and predictable project delivery.

## Collaboration and partnerships

We fully capitalise on the power of collaboration and partnerships, operating on a global scale while building strong local relationships.

## Integrated services

By proactively embracing the opportunities of integrated services we enable the standardisation and optimisation of systems across the full subsea spectrum.

## Sustainable delivery

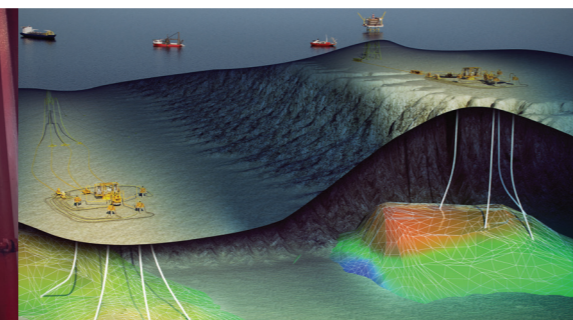
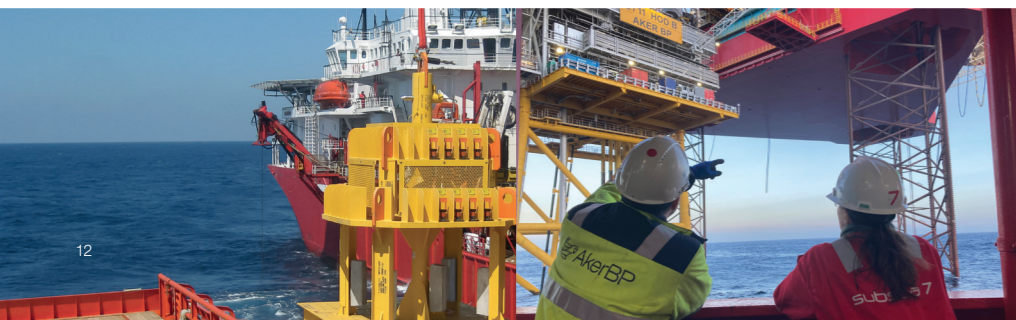
We recognise the importance of driving sustainable delivery to ensure we support the energy transition, the need to respond to the impacts our activities may have on the environment, as well as treating our people and communities fairly and with respect.

## Digital solutions

We enable the power and potential of innovative digital solutions to deliver efficiencies and robust data driven management across the full energy lifecycle.

## Enabling products

Our market-leading portfolio of technically advanced enabling products coupled with decades of experience and capability is vital for the delivery of complex energy projects.



# Why Subsea7?

More than ever before, renewable energy companies are seeking innovative, creative, and reliable solutions to overcome the complex challenges facing today's energy industry.

## Seaway7

Through Seaway7, we are a leader in the delivery of offshore wind farm solutions putting our extensive experience to work for clients on either a full 'engineer, procure, construct and install' basis or a 'transport and install' scope.

[www.seaway7.com](http://www.seaway7.com)

**seaway<sup>7</sup>**

## Xodus

Xodus, an autonomous Subsea7 subsidiary, supports clients to deliver independent engineering solutions that reduce their carbon footprint and optimise their field development plans and concepts.

[www.xodusgroup.com](http://www.xodusgroup.com)

**XODUS**

## 4Subsea

4Subsea, an autonomous Subsea7 subsidiary, delivers critical decision support to energy providers. 4Subsea combines domain expertise with data analytics and digital services to maximise the lifetime of assets, reduce operational cost and optimise future projects through data-driven design.

[www.4subsea.com](http://www.4subsea.com)

**4subsea**

## Subsea Integration Alliance

Subsea Integration Alliance is a strategic global alliance between OneSubsea and Subsea7, bringing together field development planning, project delivery, EPCI contracting models, and total life cycle solutions under the world's leading subsea technology and services portfolio.

[www.subseaintegrationalliance.com](http://www.subseaintegrationalliance.com)

**SIA**

## Field development tools

OceanPlan and our carbon estimator enable us to assess the carbon footprint of the development phase and select concepts with the lowest carbon footprint and best economics. 100% of our Field Development Group studies and Feeds use the carbon estimator tool.

## Proven track record

By continually adapting our decades of experience in the traditional energy market and combining it with 15 years experience in offshore wind, we work collaboratively with clients and the supply chain to create sustainable value by delivering the offshore energy transition solutions the world needs.



## How can we help you?

Our collaborative way of working helps us to develop the best solutions for our clients' needs. Contact us to find out more: [client.enquiry@subsea7.com](mailto:client.enquiry@subsea7.com)

Subsea7 is a global leader in the delivery of offshore projects and services for the energy industry. Subsea7 makes offshore energy transition possible through the continuous evolution of lower carbon oil and gas and by enabling the growth of renewables and emerging energy. The company employs 15,000 people and operates in more than 30 countries.

**subsea7.com**

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POSSIBLE**