

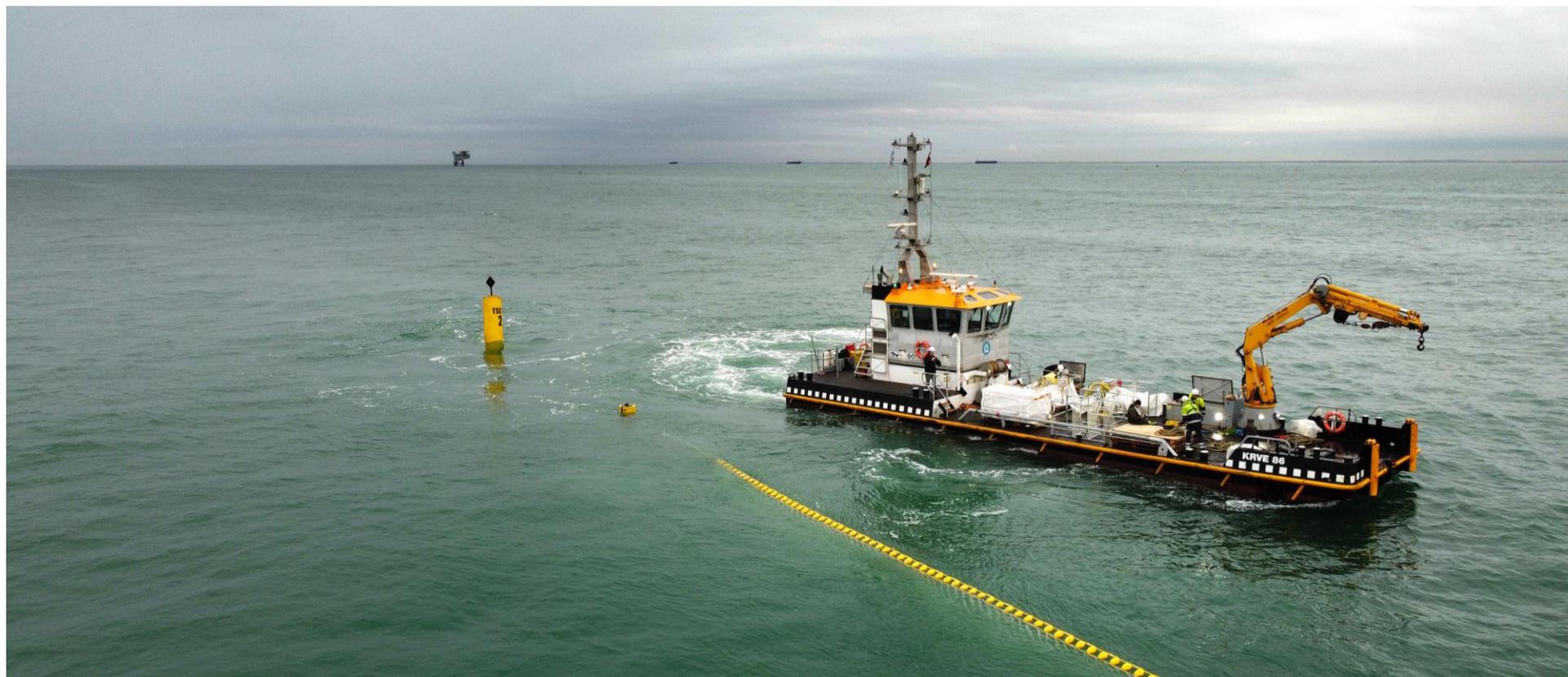


**NORTH
SEA
FARMERS**

Building the seaweed sector together

Experiences on seaweed cultivation tests on the North Sea, offshore.

16 november 2022 - Iris Menger



North Sea Farmers

- Sector organisation for European Seaweed
- Non-profit organisation
- Accelerate European Seaweed Sector
- > 100 members
 - Companies
 - Start-ups
 - Knowledge & research institutes
 - NGOs
 - Etc.
- Focussed on, but not limited to the North Sea Area



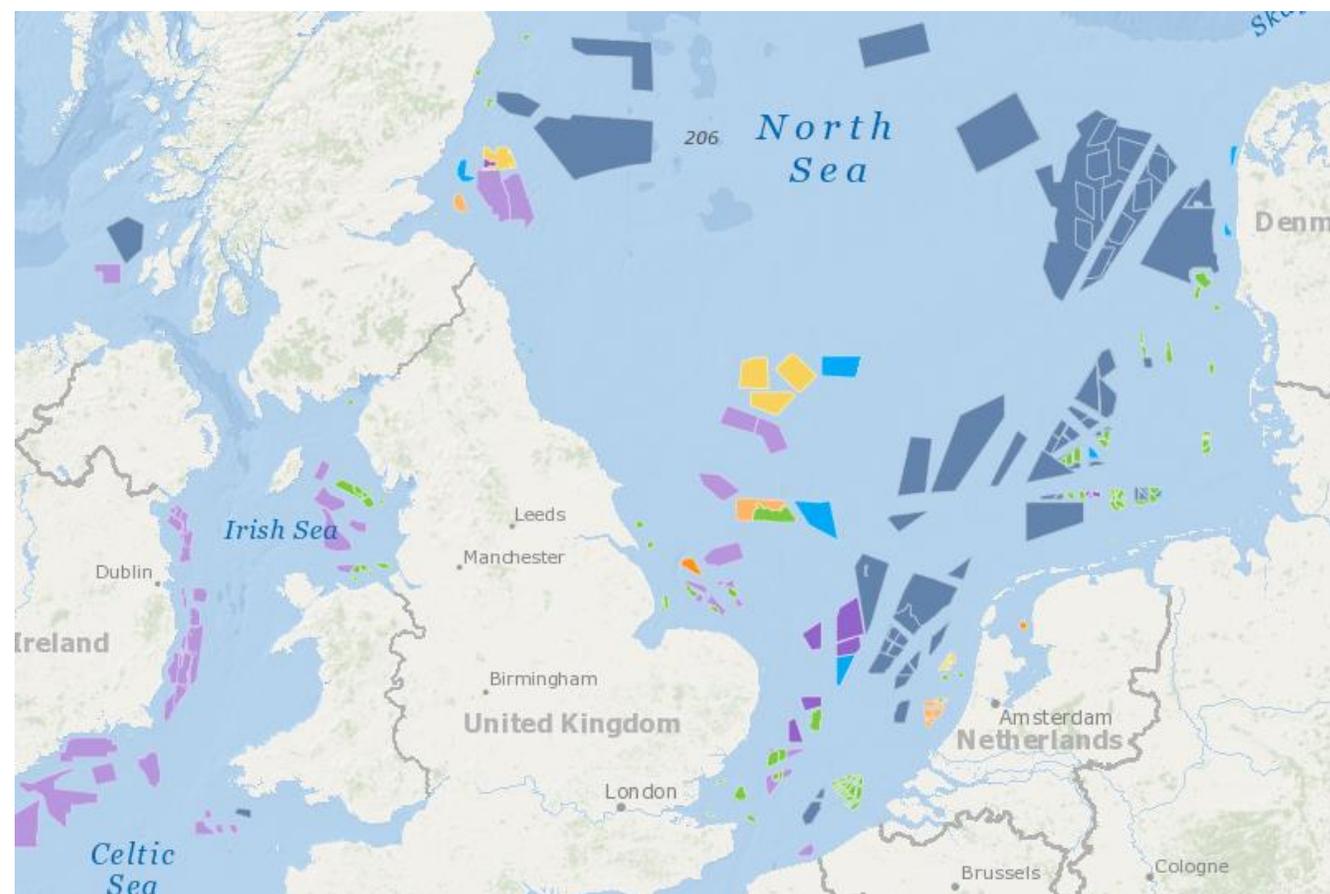
North Sea Farmers – what do we do?

- Representing the sector in governmental processes
- Representing the sector in national and international standardization processes
- Promoting joint investment projects
- Coordinating and developing markets
- **Demonstrating all aspects of multi-use on our Offshore Test Site (OTS)**



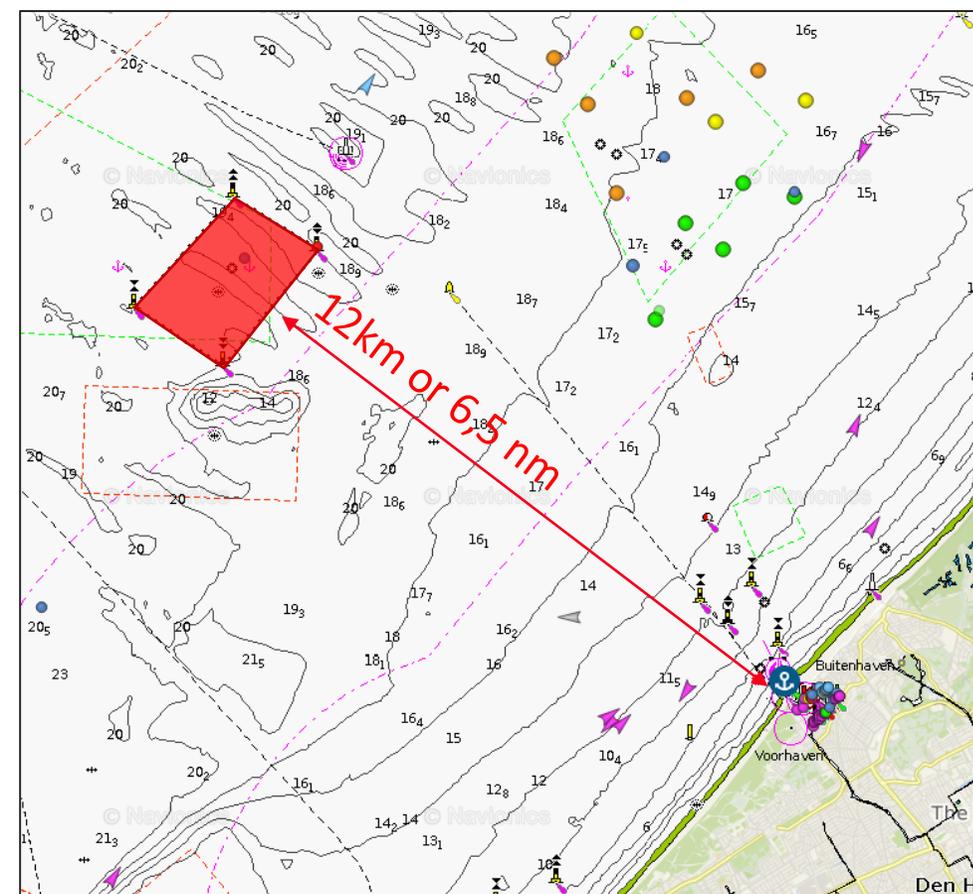
Opportunities for European Seaweed

- European seaweed market is mainly wild-harvest and import
- Large scale seaweed cultivation shows opportunities for circular, bio-based economy
- Offshore wind farms hold potential for large scale cultivation
- Connecting farmers, markets, governments & other stakeholders is fundamental.

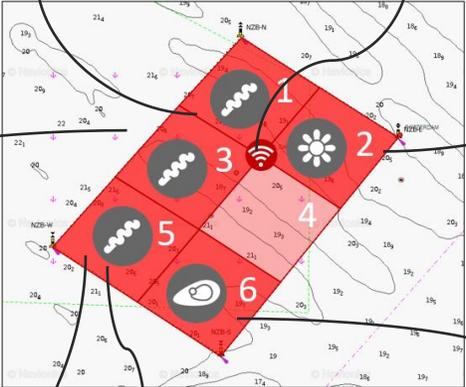
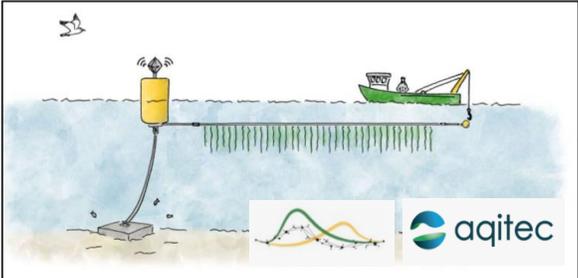


Learning by doing: Offshore Test Site

- Largest Offshore Test Site in Europe: 6 km²
- 6 plots of 1 x 1 km for testing and demonstrating innovations for offshore multi-use
- Breeding spot for start-ups and scale-ups who want to test in demanding offshore conditions
- Marked with cardinal buoys, registered on sea maps and safeguarded by Royal Dirkzwager
- Licensed until 31 December 2028



Users Offshore Test Site 2022

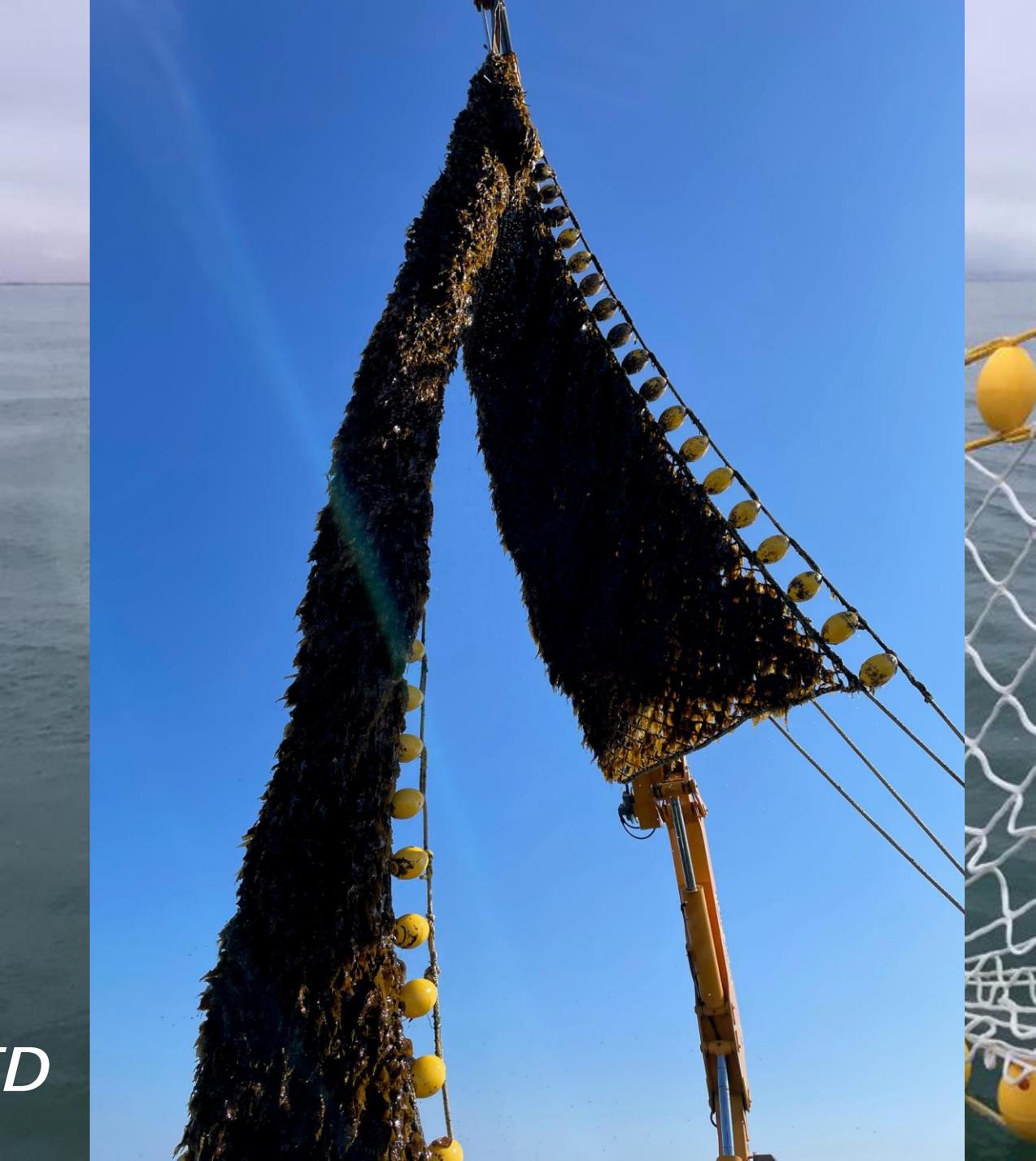




wvanderzwan.nl



Seeding Seaweed Nets – UNITED



Installation seaweed pilot – *UNITED*

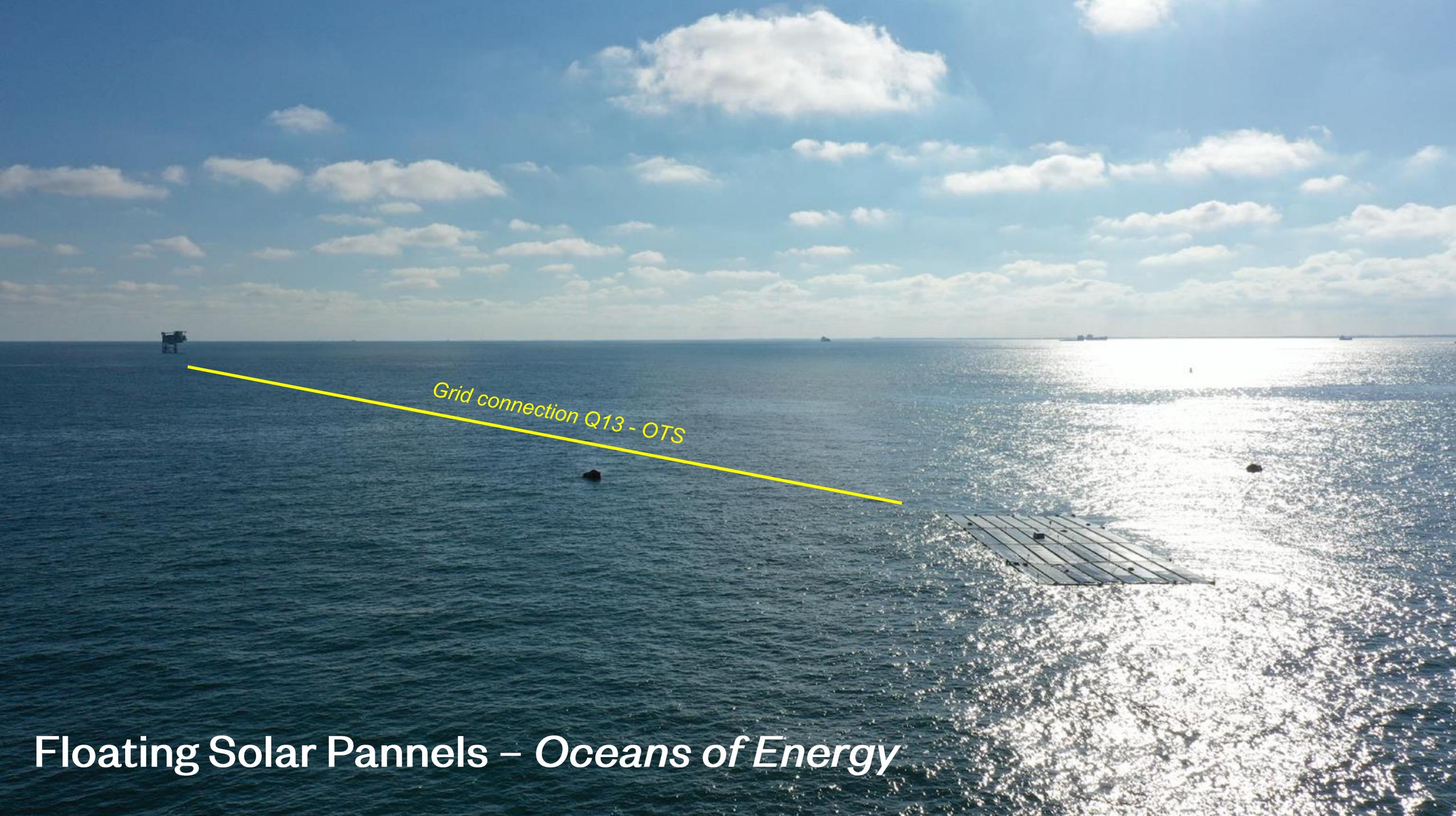


Seaweed pilot – *Wier&Wind*

© Dutch Marine Productions



Seaweed harvest June 2022 – *Wier&Wind*



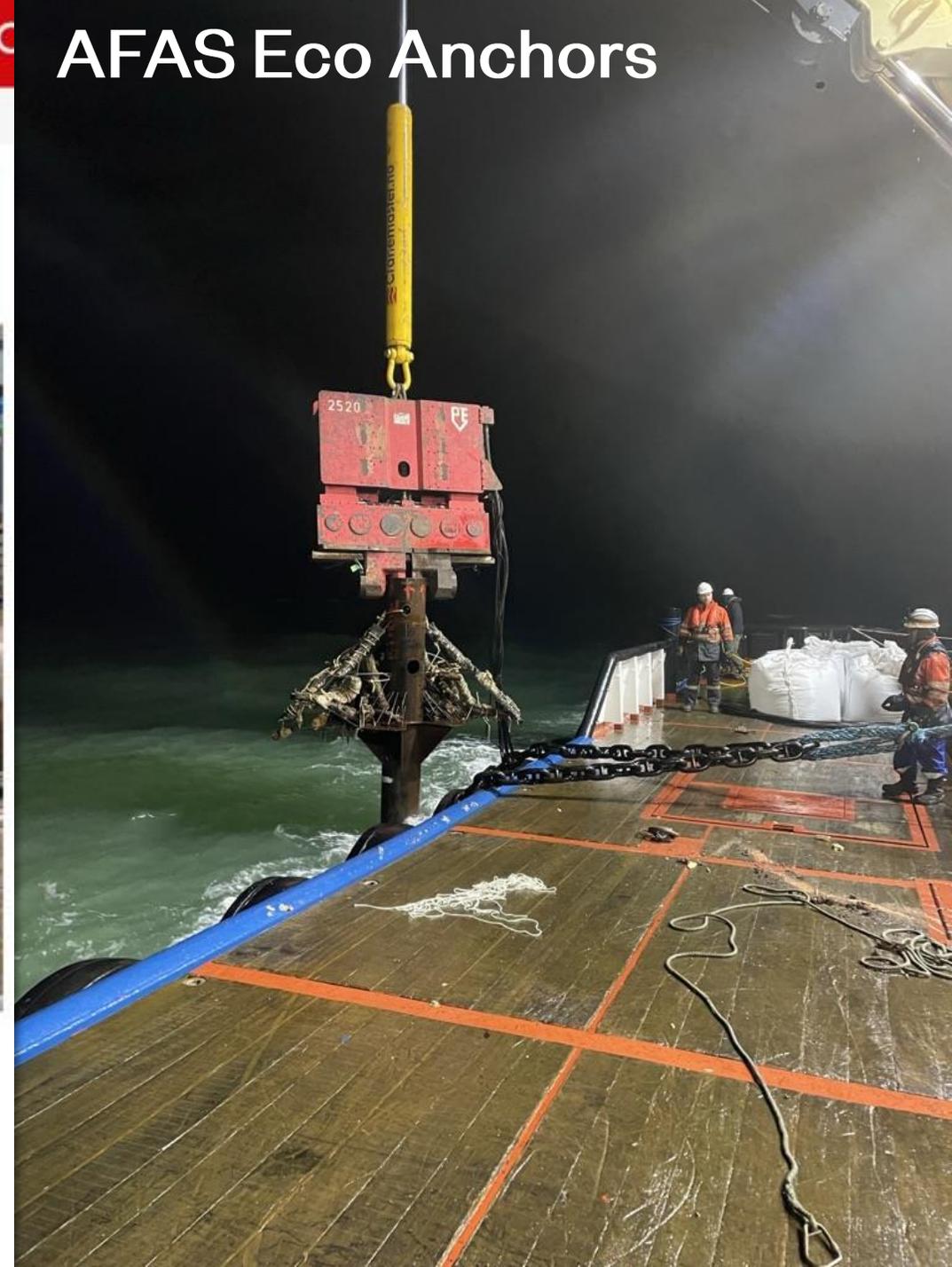
Grid connection Q13 - OTS

Floating Solar Pannels – *Oceans of Energy*



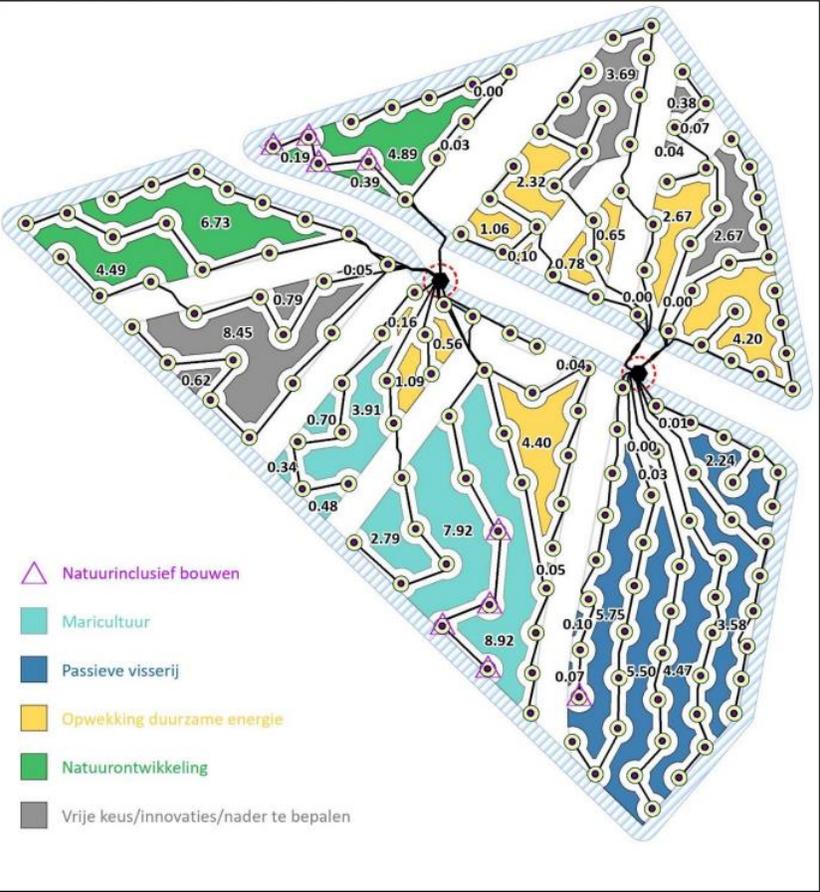
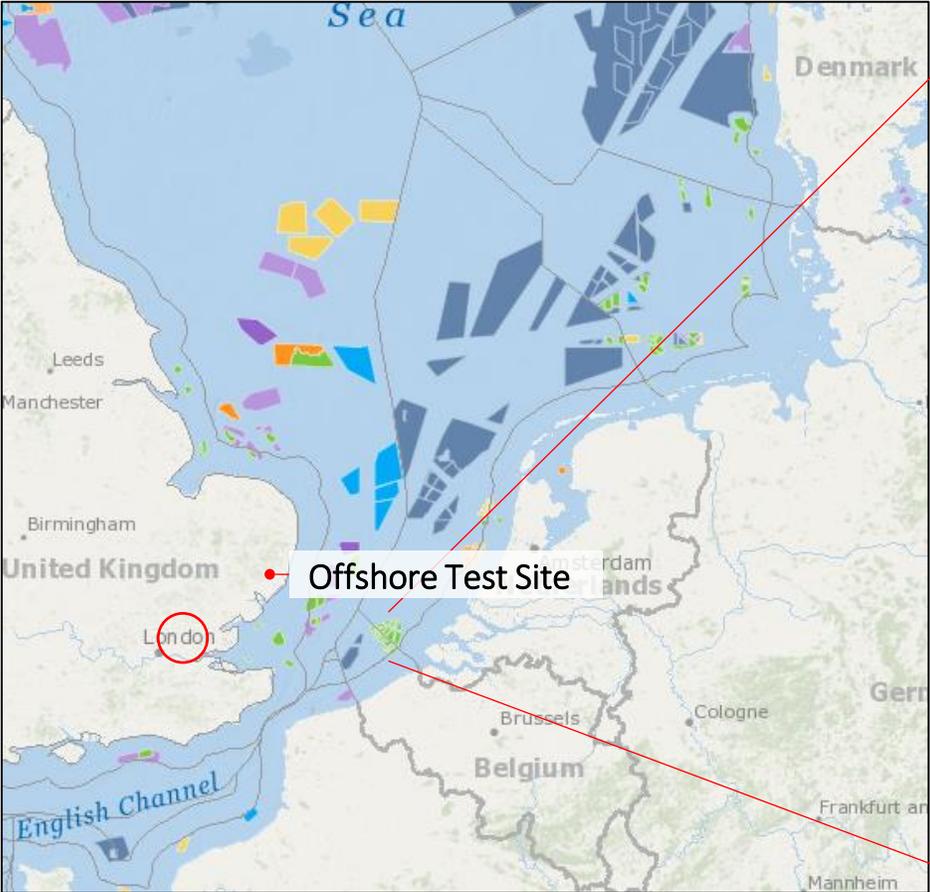
▲ De eco-ankers aan de Scheveningse kust. © Jurriaan Brobbel

Twee 'eco-ankers' geplaatst aan Scheveningse kust: 'Cruciaal'



***The next step:
Multi-use in an off shore
wind park***

Multi-use in the Netherlands



North Sea Farm #1: the first seaweed farm in a wind park

Vision



Partners



Process



Impact

Environmental



CO₂ Capture



Biodiversity Increase

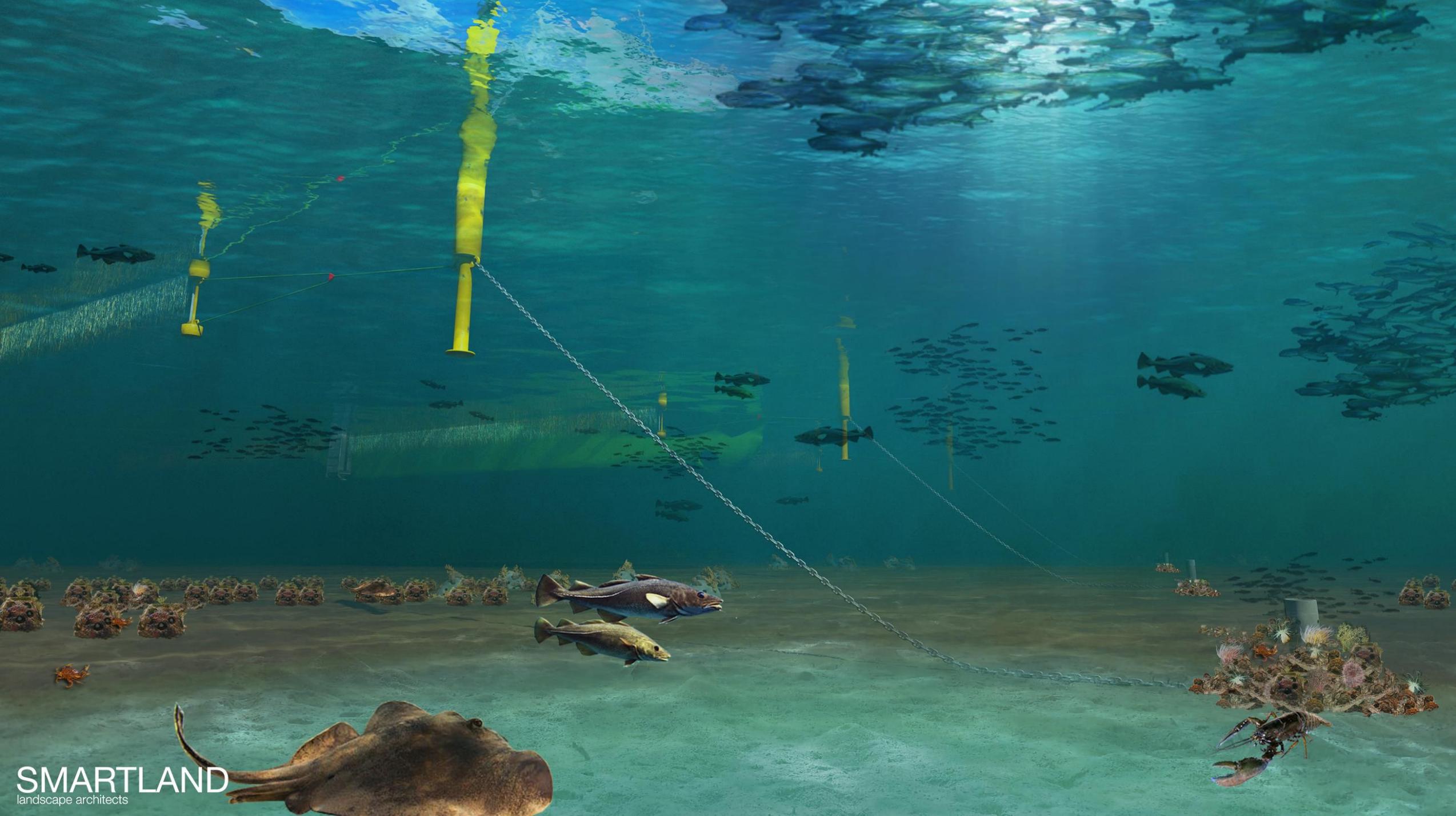
Social

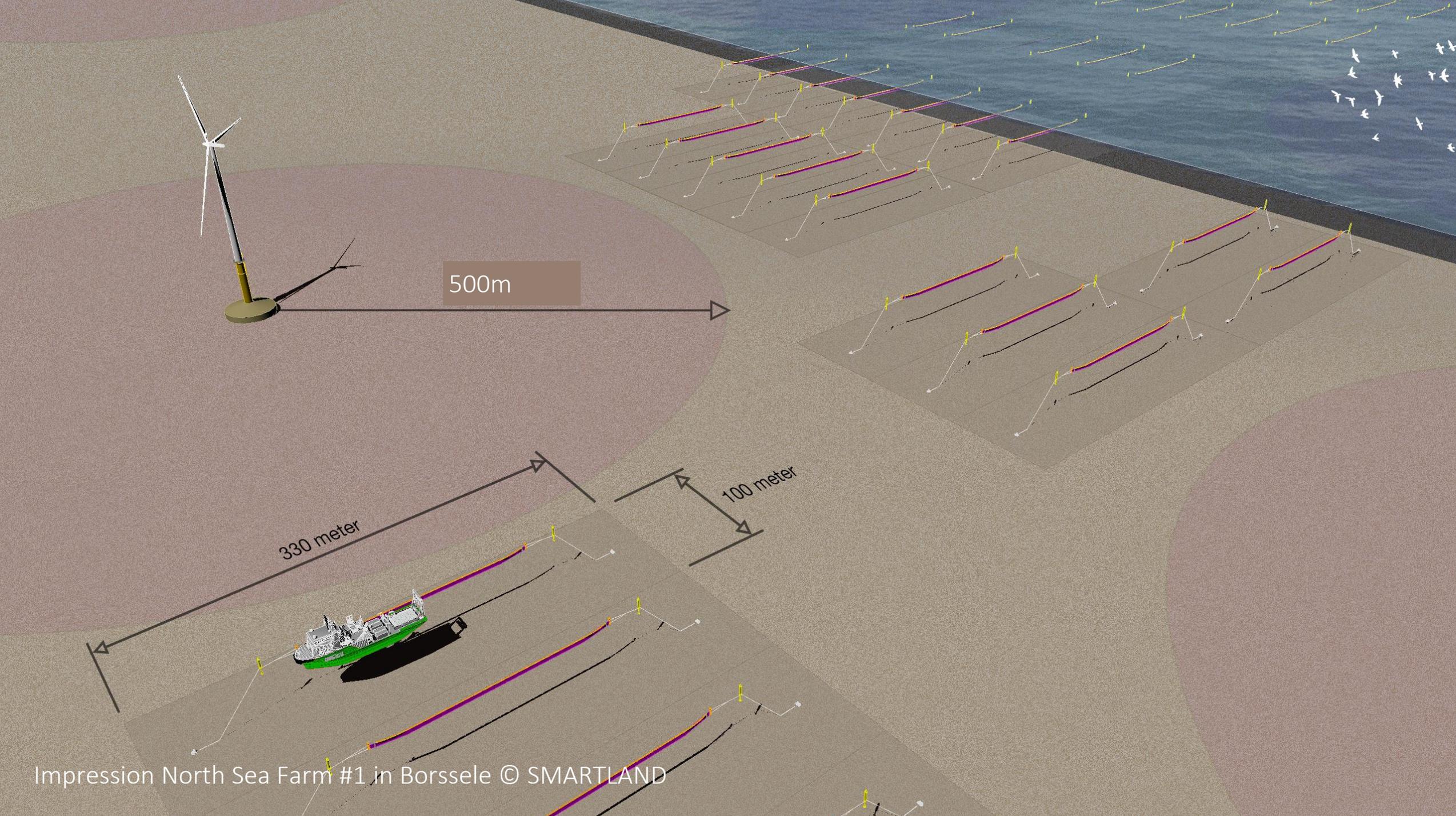


Job Creation



Impression North Sea Farm #1 in Borssele © SMARTLAND





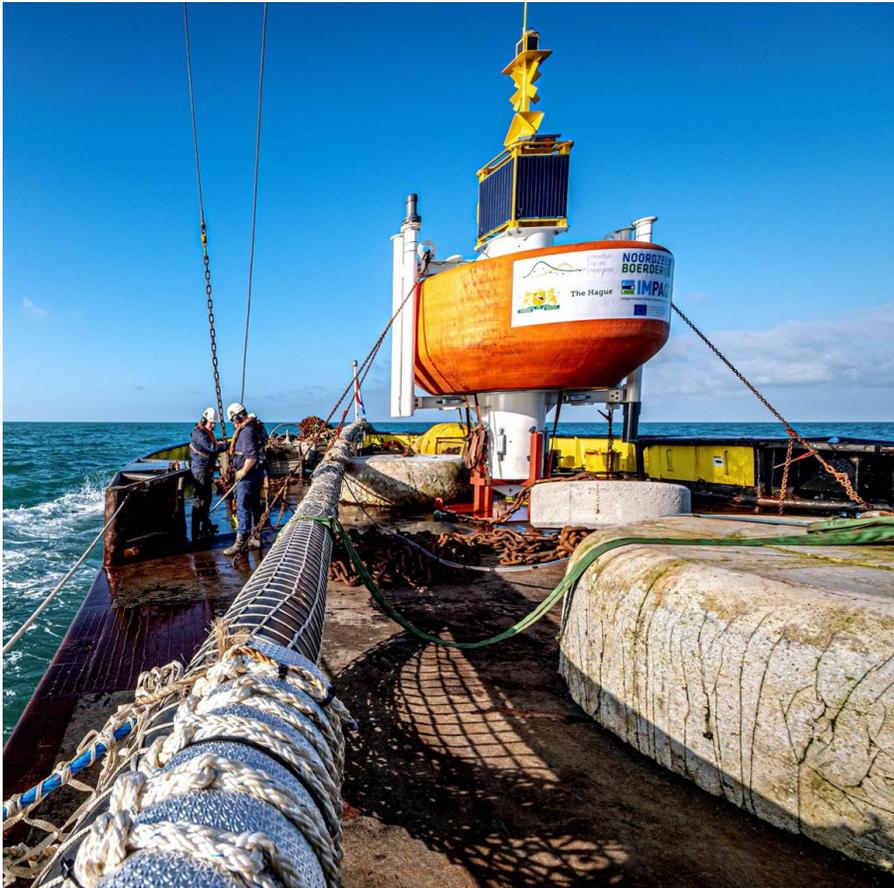
500m

330 meter

100 meter

Impression North Sea Farm #1 in Borssele © SMARTLAND

For any question about our offshore test site, don't hesitate to contact us!



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