

Progress toward NPI for Biodiversity

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Our biodiversity ambition

As part of Ørsted's 2030 strategy, the company has set **the ambition to deliver net-positive biodiversity impact in all renewable energy projects it commissions from 2030**, strengthening the green energy build-out in balance with nature



Our impacts on offshore biodiversity can largely be grouped into five key biodiversity features



The challenges in achieving our ambition



Understanding our current biodiversity footprint and how this can be measured



Delivering net positive in dynamic marine ecosystems



Increase in initial investment



Managing stakeholder expectations and views in the multiple markets we operate



Adapting to the changing policy landscape



Potential conflict with other sea users

Methodology and metrics for Ørsted biodiversity ambition under development

- Work underway with The Biodiversity Consultancy related to measurement methodology for losses and gains
- Provided inputs to Science-Based Targets Network for standardized corporate biodiversity methodology
- Toolbox of pilot activities underway



Cod pipe reefs in Borssele wind farm (NL)

Artificial reef creation

- As part of the 2020 construction of the Borssele 1 & 2 offshore wind farm in Dutch waters, Ørsted designed and installed 4 purpose-built cod-pipe reefs
- Each cod-pipe-reef is about 10 m in diameter and vary from ca. 0,5 -3 m in height.
- Provide much-needed habitat for Atlantic cod - identified by the Dutch authorities as a 'policy-relevant target-species'
- Ongoing monitoring of cod and lobster behaviour (acoustic monitoring) and biodiversity (eDNA) in and around the reefs



Biohuts in Grenå

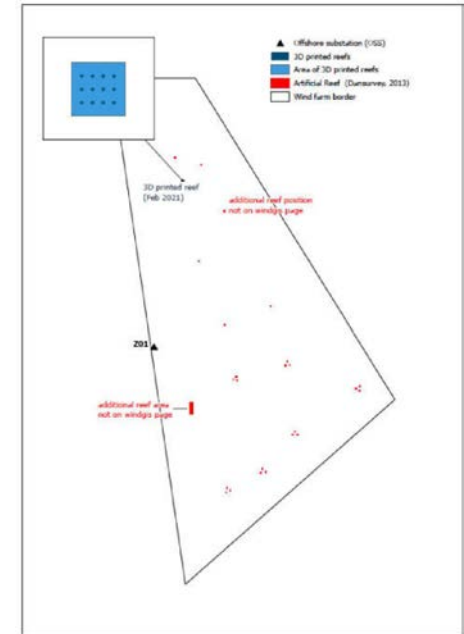
Artificial reef creation

- In 2021 Ørsted collaborated with WWF to install 10 BioHuts in Grenå harbour in the Danish Kattegat
- Will provide shelter for juvenile fish with the intention of restoring both cod populations and wider ecosystem balance



3D printed reefs at Anholt

- 3D reefs will provide shelter/habitat for juvenile fish with the intention of restoring both cod populations and wider ecosystem balance
- Timeline
 - Deployed in June 2022
 - Monitoring (eDNA, ROV) with Measurements and DTU Aqua



ReCoral by Ørsted™

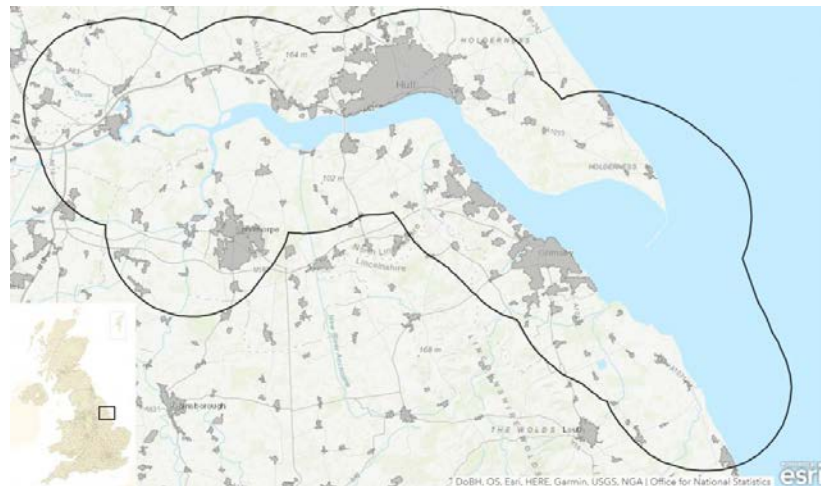
Coral restoration experiment

- Surplus indigenous coral spawn collected from shoreline of Penghu Islands, west of Taiwan mainland
- Spawn incubated in laboratory to coral larvae
- Transferred to Greater Changhua turbine foundations for settlement
- Proof-of-concept trial—could be scaled up if successful



Humber Estuary Restoration Pilot

- Tidal estuary in Northern England
- Launched in August 2022
- Partnership with Lincolnshire and Yorkshire Wildlife Trust
- Restoration targets:
 - 3 hectares salt marsh
 - 4 hectares seagrass
 - 500,000 native oysters



Questions?