

Press release

Ocean Infinity appointed to deliver subsea geophysical survey for proposed DBS offshore wind farm

- **RWE and Masdar appoint Ocean Infinity to deliver geophysical survey for proposed DBS West offshore wind farm**
- **Geophysical data to be combined with geotechnical data to deliver exceptional levels of detail for the DBS project**
- **‘Scans’ will provide high resolution 3D geological data deep below each proposed wind turbine site**

Swindon, 16 May 2024

RWE and Masdar have placed a contract with marine technology and data acquisition specialist, Ocean Infinity, for 3D Ultra High Resolution seismic geophysical surveys at Dogger Bank South (DBS) West offshore wind farm.

Ocean Infinity will survey the subsea terrain at each of the proposed wind turbine foundation sites for DBS West offshore wind farm.

Colin McAllister, Development Project Manager, DBS offshore wind farms explained: “These geophysical surveys will deliver detailed data about conditions on and under the surface of the seabed. Combining this with geotechnical data we are also collecting from the turbine foundation sites will deliver exceptional levels of detail about the subsea conditions which is invaluable. It enables us to identify challenges at the development stage and to put in place appropriate mitigations where required.”

Commercial Director at Ocean Infinity, Maxime Even, added: “This is Ocean Infinity’s first 3D Ultra High Resolution Seismic survey project awarded by RWE, which we are very excited about. Our mission has always been to enable the planet to thrive, and this project is another step in helping us on that journey. We are being given the opportunity to continue our support in the growing offshore renewables sector, contributing to the overall global energy transition. This has always been our goal and is a huge win for us.”

Surveys at the turbine foundation sites will be undertaken by the vessel ‘Deep Helder’ from early June 2024 and will continue for about 30 days, depending on weather conditions.

Ocean Infinity uses high definition survey techniques to ‘scan’ the seafloor and the sub sea bottom, to provide high resolution 3D geological data deep below each proposed wind turbine site. This data-intensive investigation can highlight seafloor changes, map extent, orientation and tilt of sedimentary units as well as boulders, throughout the entire wind turbine foundation.

DBS comprises two separate sites, DBS East and DBS West located on Dogger Bank, a shallow area of the North Sea over 100km off the North East coast of England. Both DBS project developments are being led by RWE who will deliver project development, construction, and operations on behalf of the partners RWE and Masdar.

The projects will make an important economic contribution to the region, a major contribution to the delivery of net zero in the UK, and the UK’s broader economic growth and energy security. Based on an estimated capacity of 3 gigawatts (GW), once fully operational, the DBS projects could be capable of generating enough electricity to meet the average annual domestic energy needs of around three million typical UK homes*.

The next development milestone for the projects will be the submission of an application for a Development Consent Order, expected to be during the second quarter of 2024. If successful, the next steps would be to secure Contracts for Difference (CfD), followed by financing, construction and finally commissioning by 2031.

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DBS

DBS refers to RWE Renewables Dogger Bank South (East) Offshore Wind Limited and RWE Renewables Dogger Bank South (West) Offshore Wind Limited. DBS offshore wind farms are being jointly developed by RWE and Masdar. RWE is one of the leading companies in the field of renewable energy and holds a 51% stake in the projects and Masdar, the UAE’s clean energy powerhouse, holds a 49% stake in the projects.

RWE

RWE is leading the way to a green energy world. With its investment and growth strategy Growing Green, RWE is contributing significantly to the success of the energy transition and the decarbonisation of the energy system. Around 20,000 employees work for the company in almost 30 countries worldwide. RWE is already one of the leading companies in the field of renewable energy. Between 2024 and 2030, RWE will invest 55 billion euros worldwide in offshore and onshore wind, solar energy, batteries, flexible generation, and hydrogen projects. By the end of the decade, the company’s green portfolio will grow to more than 65 gigawatts of generation capacity, which will be perfectly complemented by global energy trading. RWE is decarbonising its business in line with the 1.5-degree reduction pathway and will phase out coal by 2030. RWE will be net-zero by 2040. Fully in line with the company’s purpose - Our energy for a sustainable life.

Masdar

Masdar (Abu Dhabi Future Energy Company) is one of the world's fastest-growing renewable energy companies. As a global clean energy pioneer, Masdar is advancing the development and deployment of solar, wind, geothermal, battery storage and green hydrogen technologies to accelerate the energy transition and help the world meet its net-zero ambitions. Established in 2006, Masdar has developed and invested in projects in over 40 countries with a combined capacity of over 20 gigawatts (GW), providing affordable clean energy access to those who need it most and helping to power a more sustainable future. Masdar is jointly owned by TAQA, ADNOC, and Mubadala, and is targeting a renewable energy portfolio capacity of 100GW by 2030 while aiming to be a leading producer of green hydrogen by the same year.

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ABOUT OCEAN INFINITY

Ocean Infinity is a young and fast-moving marine technology company specializing in the development and deployment of robotics for large-scale, subsea data acquisition. Purpose driven from day one, Ocean Infinity is developing a range of innovative technologies to transform operations at sea, enabling people and the planet to thrive.

Ocean Infinity employs more than 500 technology and data specialists worldwide, spread across Europe, South East Asia, North America and Australasia.

The company's strong decarbonization ethos flows through all aspects of its operations; its onshore facilities will be carbon neutral by the end of 2023, followed by the company's operations at sea by 2027, and the rest of the business by 2040.
<https://oceaninfinity.com/>