

Moor Vannin

Offshore Wind Farm



Ørsted

Who we are

Headquartered in Denmark, Ørsted is a renewable energy company that takes tangible action to create a world that runs entirely on green energy.

Over the past 30 years, we have established our company as the global leader in offshore wind. Since pioneering the world's first offshore wind farm in 1991, we've built more wind farms at sea than any other company worldwide.

The UK & Ireland region is our biggest market, with eight offshore wind farms in the Irish Sea alone. In the North Sea, our projects include the world's largest offshore wind farm, Hornsea 2. With 8.9 GW installed globally and over 30 years of experience, it is our ambition is to have installed 30 GW of offshore wind worldwide by 2030.



Introducing the Moor Vannin Project

We're working with the Isle of Man Government to develop the Island's first wind farm offshore and usher in the long-term benefits of the green energy transition.

The name Moor Vannin comes from the Manx language term for the Irish Sea – and literally translates as the 'sea of the Isle of Man'. This is fitting as we bring forward these plans for the first large scale development in the Isle of Man's territorial waters, off the coast of Maughold Head.

Name: Moor Vannin

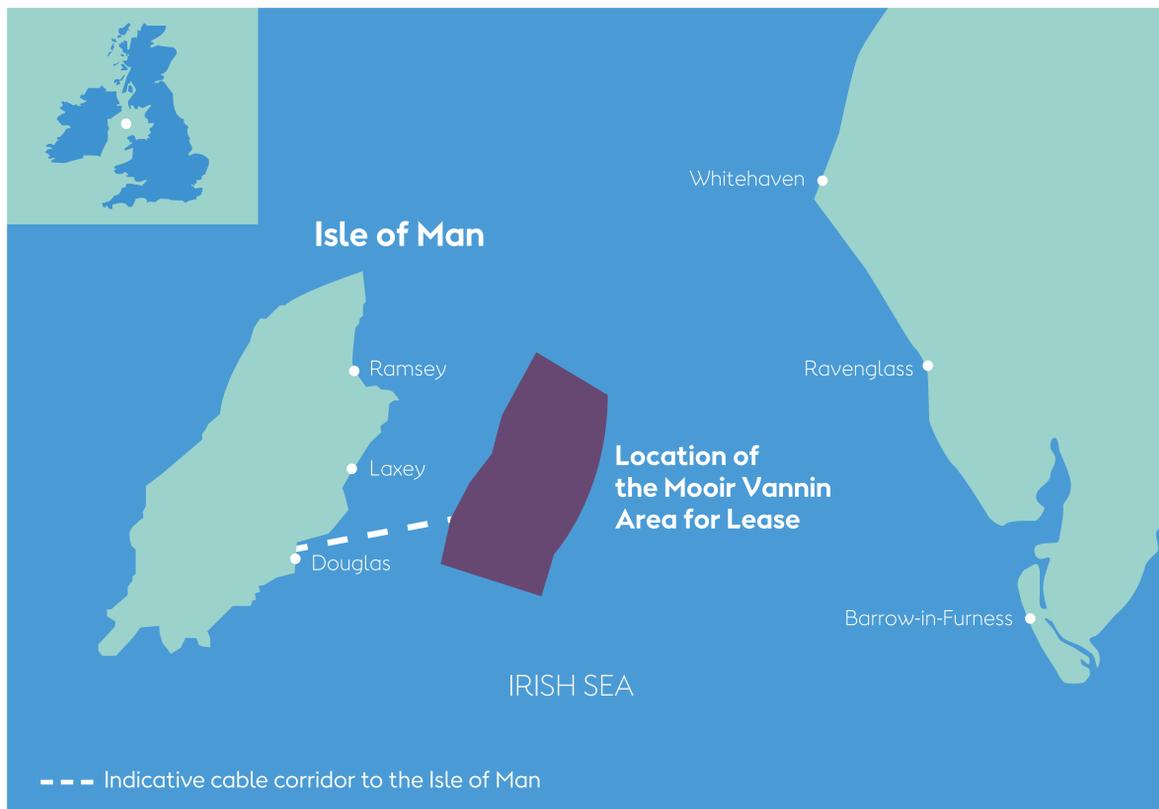
Location: The wind farm will be located in the Irish Sea, within the Isle of Man's territorial seas, approximately 6-12 nautical miles off the east coast of the Island.

Capacity: In the region of 1.4 GW

Number of turbines: up to 100

Target to submit planning application: Spring 2025

Anticipated operational start date: 2030-2032



Benefits of offshore wind



Net Zero

The clean energy generated will help contribute to the Isle of Man's net zero transition under the Climate Change Act 2021.



Local Skills and Jobs

The offshore wind farm will lay the foundation for lasting economic investment by developing local skills and creating new jobs.



Government Revenue

Revenue will go directly to the Isle of Man Government through rental payments, taxation and royalties.



Energy Security

We are actively working with Manx Utilities on the feasibility and options available for electricity generated at the offshore wind farm to come here to the Island.



Lowering costs

It has become cheaper to produce energy from newly constructed offshore wind farms than from newly built coal or gas-fired power plants.

Consultation timeline



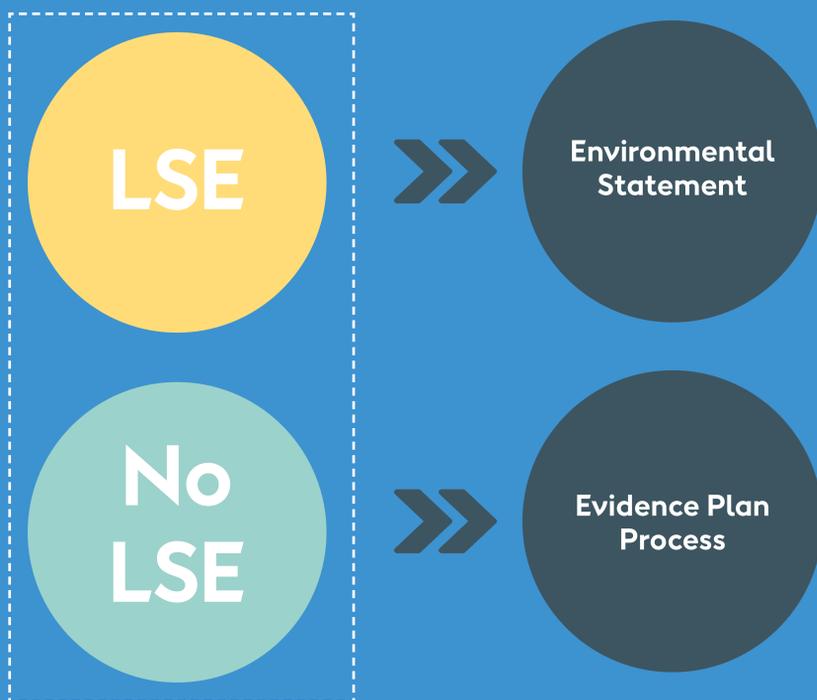
Continuing timeline



EIA process overview

Environmental Impact Assessment (EIA)

The purpose of EIA is to identify the Likely Significant Effects (LSE) on the environment from the construction, operation and decommissioning of the Moor Vannin Offshore Wind Farm. Where significant effects are identified, measures are proposed to eliminate or reduce these to environmentally acceptable levels. This information is then presented in the final Environmental Statement, which is currently anticipated to be submitted to the Isle of Man Government in early 2025. This will assist regulators in making their decision about whether to grant Marine Infrastructure Consent (MIC) for the development.



How have the environmental impacts been identified and assessed?

Moor Vannin has taken a proportionate approach to the EIA, which began with submission of an EIA Scoping Report to the Department of Infrastructure in October 2023. A response in the form of a Scoping Opinion is expected in November 2023. This will include comments from a range of stakeholders. The Scoping Opinion will form the basis of the EIA by identifying and confirming which topics require assessment. Consultation with statutory bodies will also be undertaken during the process on baseline, impact assessment methodologies and outcomes and any proposed monitoring and mitigation, through the Evidence Plan Process.



Ørsted in the Isle of Man Community

Our approach is to engage with everyone in the communities where we develop and build. As well as our programme of public information events this year and consultation events scheduled in 2024, we have been delighted to support some local community events.

Bushy's TT Village Sponsorship in 2023

It was a privilege for Ørsted to take on headline sponsorship of the 2023 Bushy's TT Village in the Villa Marina Gardens. At the heart of the Douglas Promenade, record numbers of locals and visitors came together to enjoy live music from local bands across the Island on the Ørsted stage, sample home grown food and drink and to simply have some fun in the sun.



Support for RNLI 200th Anniversary

Ørsted supported the Royal National Lifeboat Institution (RNLI)'s start to its 200th anniversary year by sponsoring their gala dinner in November 2023.

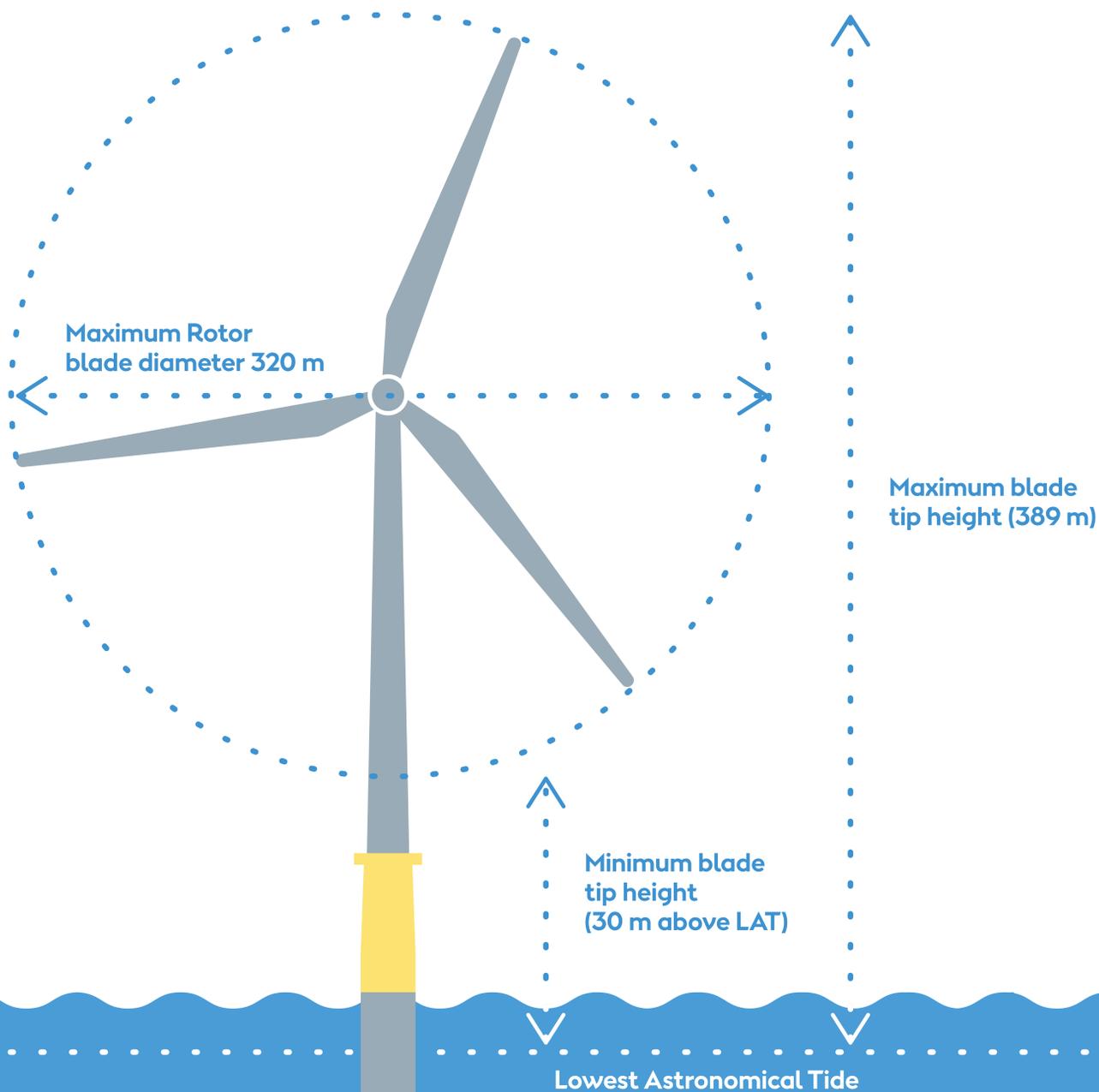
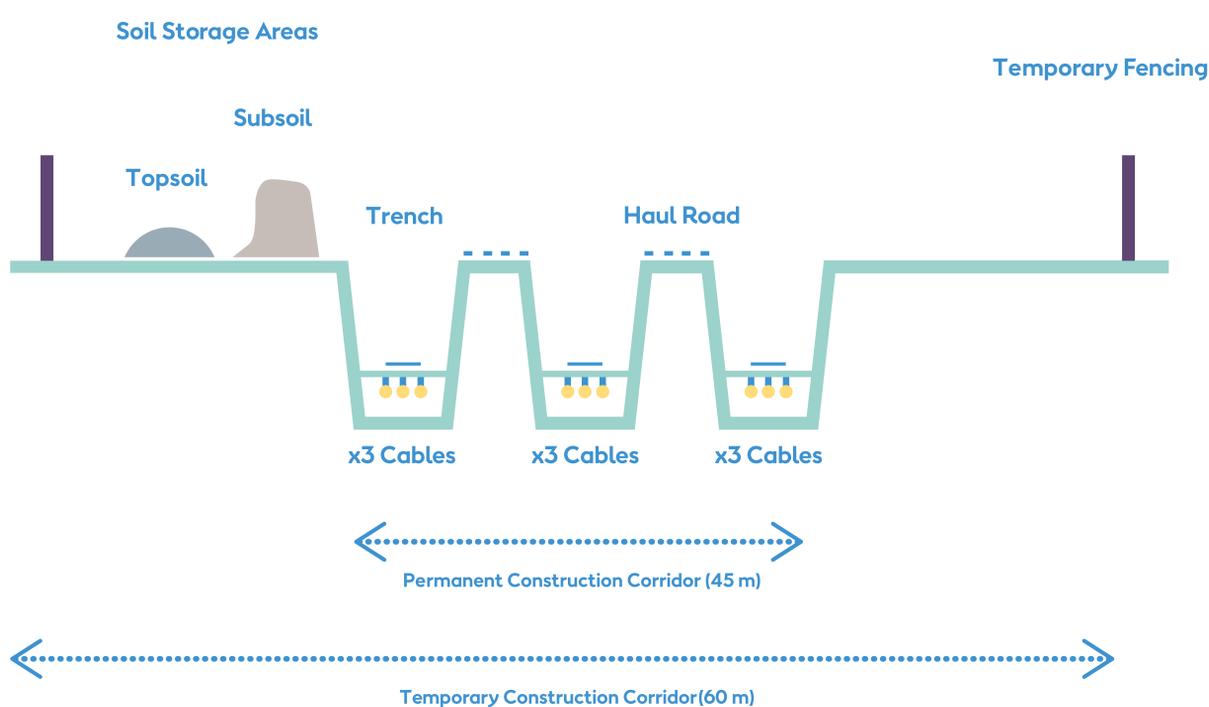
Ørsted first partnered with the RNLI in 2015 and our support focuses on supporting the running costs at seven lifeboat stations, all of which are near our offshore wind farm sites. The partnership has so far helped to fund nearly 600 launches and aid more than 580 people at sea. We are extremely proud to continue our partnership with the RNLI and help this amazing charity save lives at sea.



Approach to Design

The Environmental Impact Assessment and application for consent will present the Maximum Design Scenario (MDS) for the project. The MDS considers the maximum possible design for all of the project infrastructure. The final design will be refined within this maximum but using the MDS ensures we have assessed and mitigated the greatest possible impacts.

Within the wind farm area the Developable Area Approach (DAA) is a process of active and early engagement aimed to refine the site. This is intended to reduce constraints where possible and provide stakeholders with opportunities to influence the final shape and size of the project.



Contact the team

Thank you for attending our community information event. We will be holding further consultation on the Moor Vannin Offshore Wind Farm project in 2024 and refining our plans based on your comments and feedback. If you would like to get in touch with any of the team please don't hesitate to contact us in the following ways.



Website:

www.orsted.im/mooirvannin



Email:

mooirvannin@orsted.com



Post:

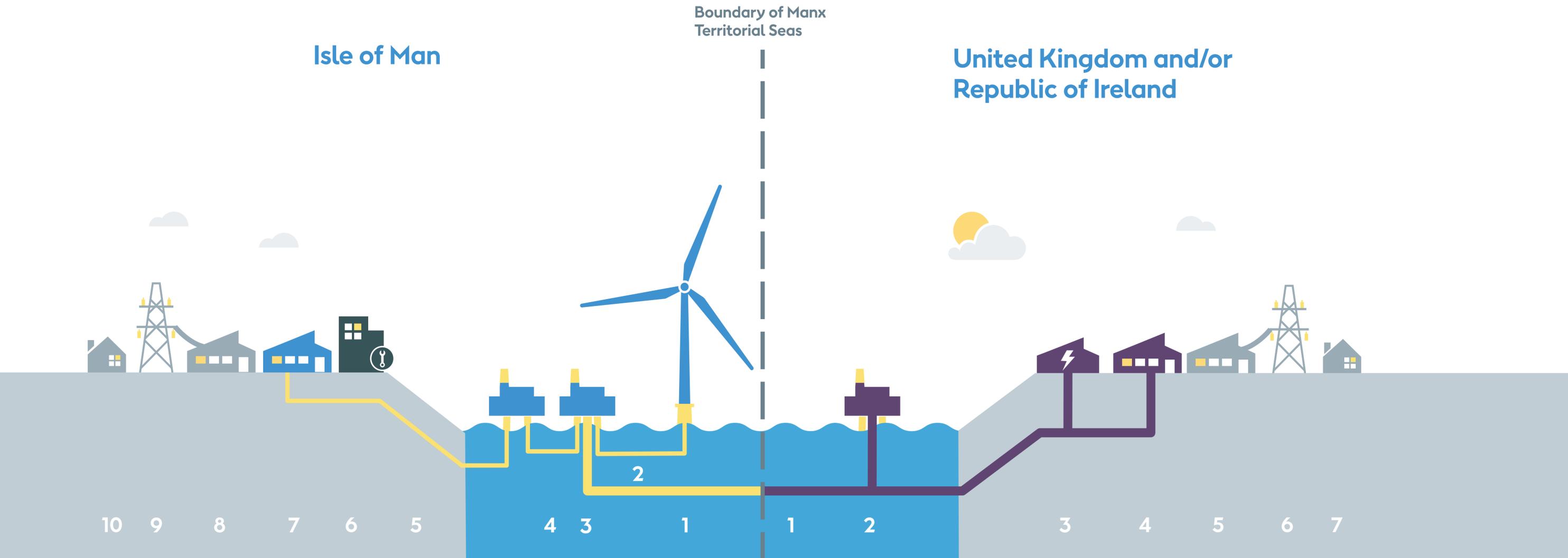
The Old Courthouse, Athol Street,
Douglas, Isle of Man, IM1 1LD

For more background information on the Ørsted business and insights to the offshore wind industry go to www.orsted.com.

Moor Vannin Project

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- Proposed Development**
- Subject to additional UK and/or Eire consents**
- Existing**
- Subject to additional Isle of Man consents**

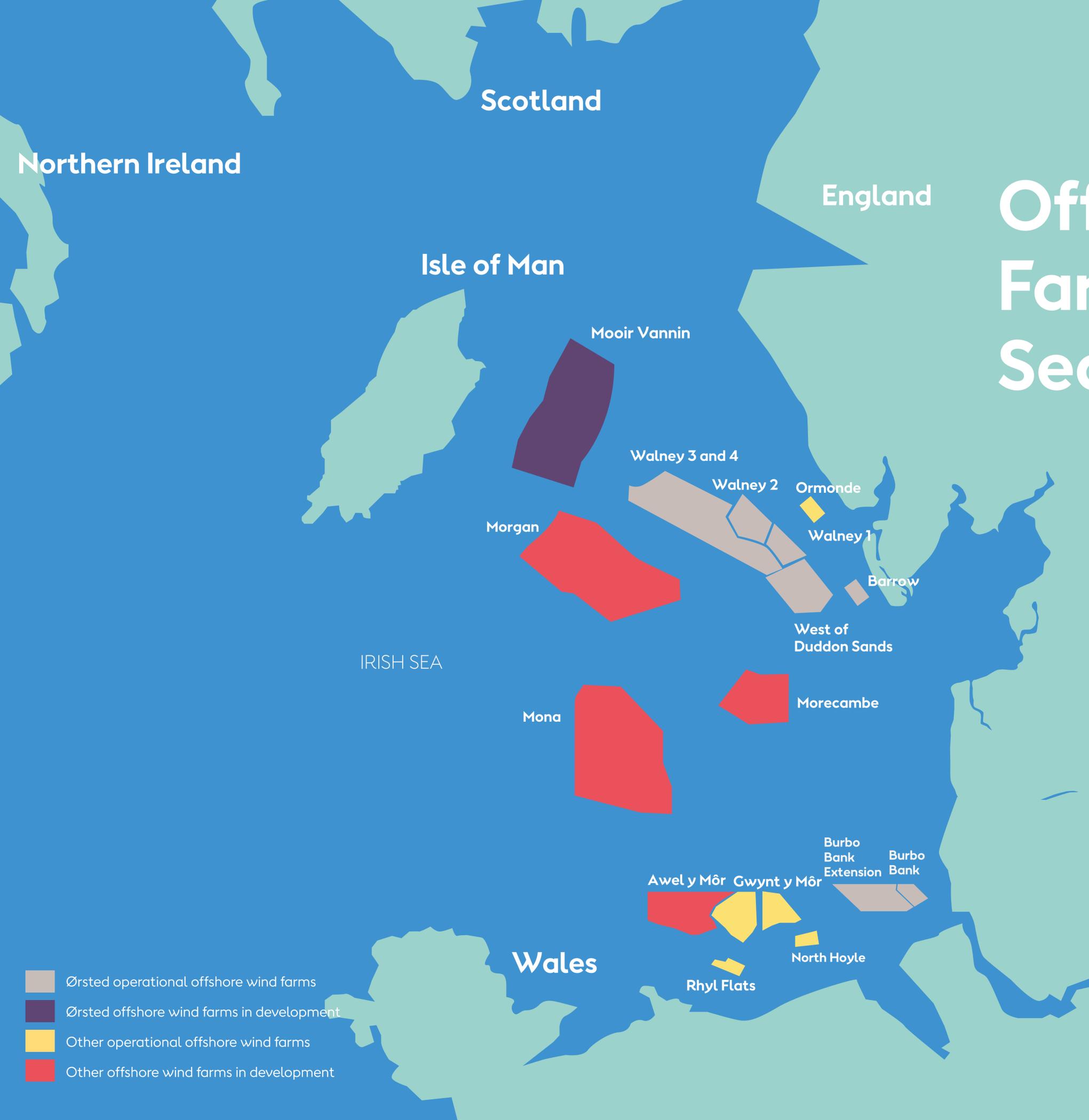
1. Wind Turbines
2. Inter Array Cables
3. Offshore substation
4. Interlink Cables
5. Electrical Connection Cable
6. Operations & Maintenance Base
7. Onshore Substation
8. Existing Manx Utilities Authority substation
9. Existing Manx Utilities Authority power lines
10. Homes

1. Transmission Assets
2. Offshore Booster Station
3. Hydrogen Production Plant
4. Onshore Substation
5. Existing Substation
6. Grid
7. Homes

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Offshore Wind Farms in the Irish Sea



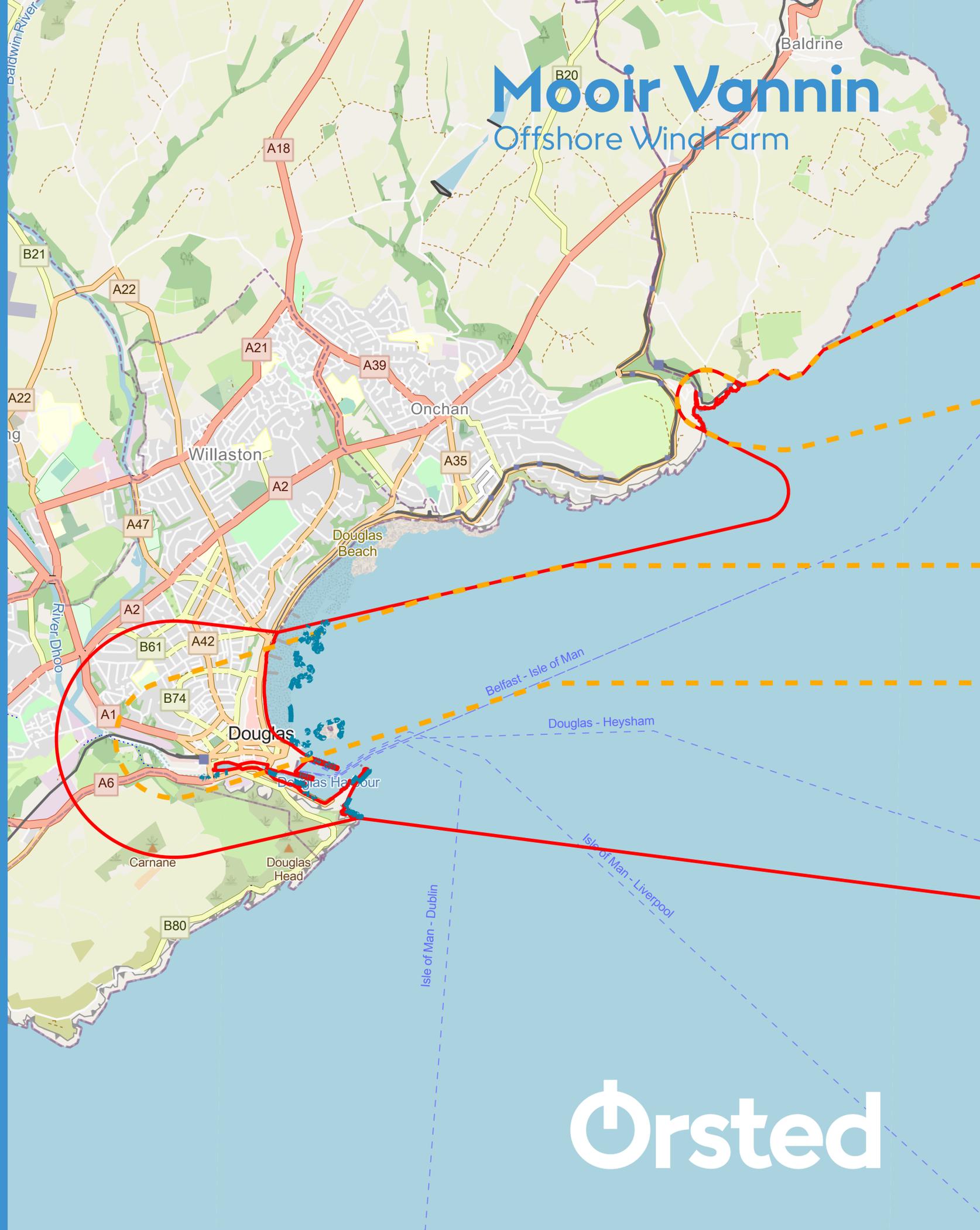
- Ørsted operational offshore wind farms
- Ørsted offshore wind farms in development
- Other operational offshore wind farms
- Other offshore wind farms in development



Bringing Energy to the Island

We are actively working with Manx Utilities on the feasibility and options available for electricity generated by the offshore wind farm to come here to the Island. It is part of the Isle of Man Government's energy strategy and economic strategy to be able to maximise the potential from natural resources in the Island, including those in the Manx Territorial Seas. The Moir Vannin Offshore Wind Farm is a project that would support and implement those policies.

An Operations and Maintenance (O&M) base in the Isle of Man will also be explored and would be subject to a separate consent once the location and function of the facility has been determined. We are in active discussions on this with potential development partners.



Proportionate Environmental Impact Assessment

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There is no “one size fits all” approach for assessing environmental impacts from offshore wind farms. Proportionate Environmental Impact Assessment (EIA) recognises this and is a process that tailors the level of the impact assessment to the scale and/or complexity of a specific impact.

The aim of Proportionate EIA is to strike a balance between presenting and evaluating the available information and assessing all potential environmental impacts appropriately to their significance in a way that ensures the most significant impacts undergo the most thorough assessment.

Proportionate EIA allows for more effective decision-making as it allows assessment and regulators to focus more on the most significant environmental impacts.

Three key documents that help deliver are:

Impact Register

The function of the impact/effect register is to document ALL potential impacts/effects of and to identify those of **Likely Significant Effect** (in EIA terms).

Traffic light assessment (RAG)

Commitment Register

The function of the commitment register is to serve as repository of **ALL** commitments. The key function of Commitments are to reduce or eliminate LSE.

Primary (inherent)
Secondary (foreseeable)
Tertiary (inexorable)

Application Register

The Application Register provides a log of all documents, reports and drawings/plans to be prepared by the Project.

Provides the necessary documentation and linkages to secure **ALL** Commitments.

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Suggest a Commitment

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Moor Vannin Offshore Wind Farm will take a proactive approach to avoiding or minimising environmental impacts through the use of commitments. Commitments are mitigation measures that Moor Vannin will be undertaking during the construction, operation and decommissioning of the proposed development. Commitments are classified as primary, secondary or tertiary: Primary: these commitments are part of the design of the proposed development and are included within the project description, e.g. routing a cable corridor around a sensitive natural habitat. Secondary: these commitments require a further action in order to achieve the anticipated outcome, e.g. restoring a disturbed sensitive natural habitat following installation of a cable. Tertiary: these commitments include actions required regardless of the EIA process as they are imposed by legislation and/ or standard industry best practice, e.g. producing a Construction Environmental Management Plan

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Commitments can be proposed by the public, stakeholders and statutory bodies for consideration by the Moor Vannin team. If you think you have a good suggestion for a commitment, please submit it to the team on a feedback form or via the online feedback form on our website.

Uniquely Manx



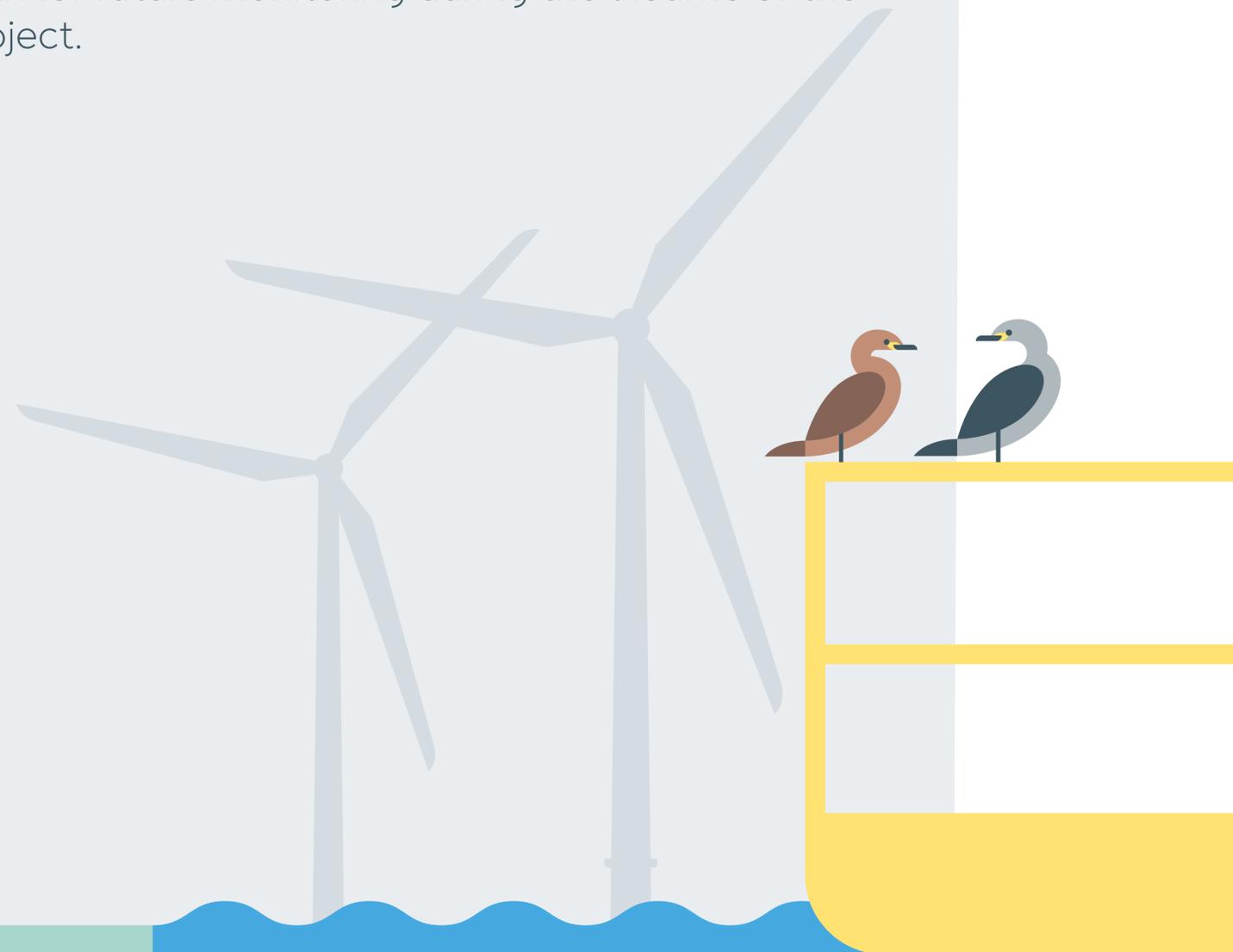
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Aerial Surveys

Moor Vannin Offshore Wind Farm completed two years of surveys looking at the birds and marine mammals that can be found in and around the area where the wind turbines will go (the offshore array). These surveys used small aeroplanes with multiple cameras mounted to the undersides to fly back and forth over the array area and capture images of the animals. These images were then analysed by specialists to identify the animals and species seen. When combined with data

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that is available from scientific organisations, and the Isle of Man and UK Governments, we get a clear picture of the animals that live in, and travel through, the offshore array area. The data allows us to model any of the potential mitigation measures that we think could support nature and biodiversity gain but also plan for future monitoring during the lifetime of the project.



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What is the Evidence Plan Process?

The Evidence Plan Process sets out how the topics identified in the Scoping Report will be assessed and how technical details will be agreed with local specialists. Details to be agreed relate to the EIA Scoping Report chapters like the marine mammals, fishing, traffic etc. Government departments and specialist consultees will

be invited to Technical Advisory Groups relevant to their specific topic. An Oversight Group including Isle of Man Government representatives will oversee the Technical Advisory Groups to make sure they are all progressing in the same way.

