

Kilgarvan Windfarm Repowering

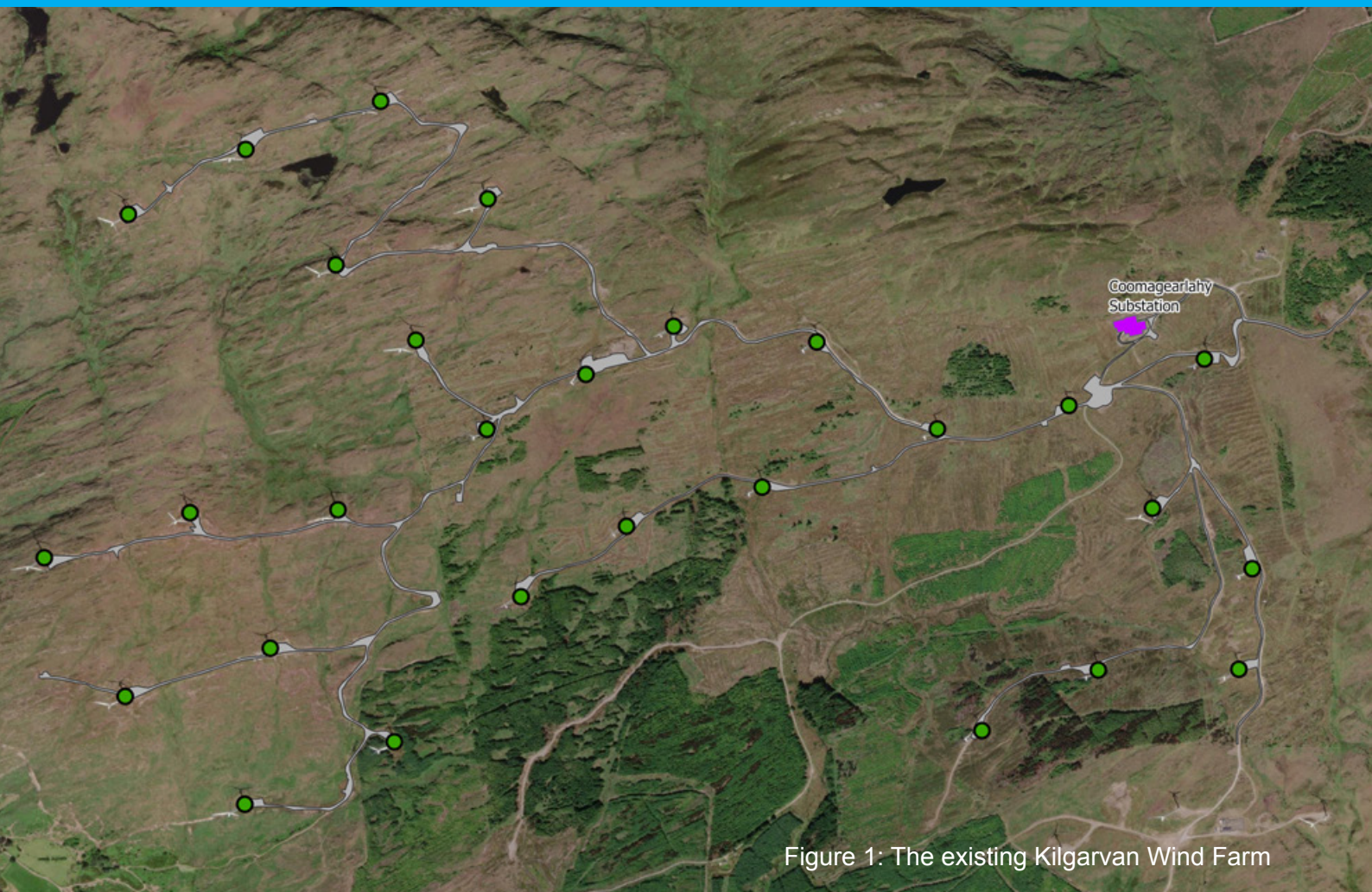


Figure 1: The existing Kilgarvan Wind Farm



DEVELOPMENT OVERVIEW

Kilgarvan I has been in commercial operation since 2007 and Kilgarvan II since 2009. Collectively referred to just as Kilgarvan Wind Farm, the development comprises 28 turbines, with an installed capacity of 72.5 Megawatts (MW). This existing wind farm layout is shown above in Figure 1.

WHAT WE HOPE TO DO

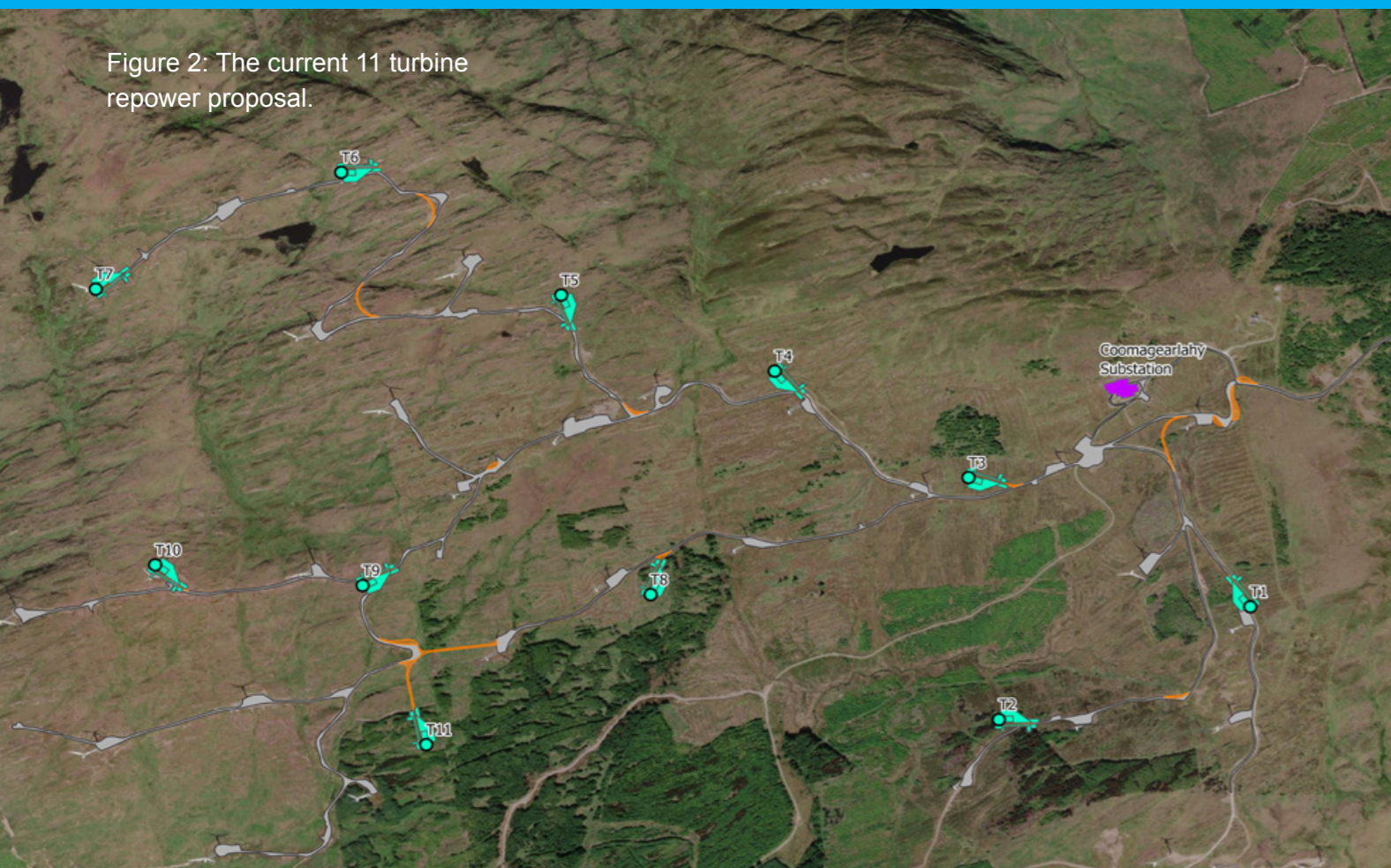
Our new proposal is seeking to get the permissions in place to replace this existing wind farm as it ages in the years to come. We are aiming to decrease the number of turbines, but at the same time keep a similar overall installed capacity. The new turbines will be larger and more efficient, helping to ensure that they provide as much clean energy to the grid as possible, while extending the lifespan of this important electricity generating resource. Repowering also means we can reuse most of the site infrastructure, maximising the benefits without the need to develop a new greenfield site.

PROGRESSING THE PROJECT

Initially, we began by looking at a 16 turbine repower proposal, which we have since refined, based on the outcome of continuing studies on-site as well as public feedback. The new proposal is now showing an 11-turbine layout as indicated on in Figure 2 below. We will continue to take additional information into account as we finalise our proposal and prepare the planning submission for An Bord Pleanála. The proposed Kilgarvan Repower Wind

Farm will extend the delivery of approximately 72.5MW of potential power to the grid. Over the coming months, we will finalise the intensive programme of environmental investigations and surveys, which will help to inform final designs. We are committed to close engagement with the local community throughout this process and beyond.

Figure 2: The current 11 turbine repower proposal.



TURBINE DELIVERY

The final route has yet to be determined, however an assessment of the preferred route is progressing with site visits and computer modelling of vehicle movements ongoing. This preferred route is from Ringaskiddy to the wind farm site, utilising the new Macroom to Baile Bhuirne bypass, once it is completed. The assessments will determine what, if any, temporary works are required at any potential pinch points to allow the turbine components to be moved to the site smoothly and at minimal disruption to other road users.

ENVIRONMENTAL IMPACT ASSESSMENT REPORT

Our ongoing studies are informing an Environmental Impact Assessment Report (EIAR) which will be submitted with the final planning application in due course. The EIAR will be prepared by specialist planning and environmental consultants from MKO. It will describe the existing environment, the likely significant effects of the proposed development and the proposed mitigation measures. Individual specialists will undertake their evaluations of the environment including evaluation under the following topics:

- [1. Introduction](#)
- [2. Background to the Proposed Development](#)
- [3. Description of the Proposed Development](#)
- [4. Consideration of Reasonable Alternatives](#)
- [5. Policy, Planning and Development Context](#)
- [6. Population and Human Health](#)
- [7. Biodiversity – Flora and Fauna](#)
- [8. Biodiversity – Ornithology](#)
- [9. Soils and Geology](#)
- [10. Hydrology and Hydrogeology](#)
- [11. Air Quality and Climate](#)
- [12. Noise and Vibration](#)
- [13. Shadow Flicker](#)
- [14. Landscape and Visual Impact](#)

[15. Material Assets including Aviation and Telecommunications](#)

[16. Traffic and Transportation](#)

[17. Cultural Heritage](#)

[18. Interaction of the Foregoing](#)

[19. Schedule of Mitigation Measures.](#)

An Appropriate Assessment Screening Report and Natura Impact Statement will also accompany any planning application. The purpose of these will be to inform An Bord Pleanála in its undertaking of an 'Appropriate Assessment' of the proposal, as required under the EU Habitats Directive. This is an assessment of the potential for significant or adverse effects resulting from the project, both individually and in-combination with other activities, plans and projects, on European Site(s) as designated under the EU Habitats Directive.

FURTHER COMMUNITY ENGAGEMENT

In Q4 2022, a public information event will be held in a local venue. This event will provide additional information about the proposal, including a series of photomontages, allowing local people a chance to see what the repowered wind farm might look like. Additionally, members of both the Ørsted and MKO project teams will be on hand to provide information and answer questions. Further information will be provided in the coming weeks to confirm the date and location of this event.

COMMUNITY BENEFITS

We are committed to engaging inclusively with the whole community and developing a responsible project that is good for society and our neighbours. Working closely with the community nearby to the proposed site, we want to help bring forward sustainable, long-term community initiatives that meet local priorities, needs and objectives. We would like to begin a discussion with the community as to how such a fund could be directed towards local needs, amenities and services, for example:

- Local recreational facilities

- Broadband and connectivity upgrades
- Education, skills and employment initiatives
- Local services such as community halls or community event sponsorship.

The distribution of the community benefit fund will ultimately be for the community to decide in partnership with our team. If you would like to speak to us about the community benefit opportunities, please get in touch - we are keen to hear from you.



WORKING FOR THE COMMUNITY NEAR NEIGHBOUR SCHEME

The near neighbour scheme would be designed in consultation with the community. This support can take many forms including direct financial support to the household with their energy bill, payments to enable households to retrofit their homes or support for further education. This scheme would be restricted to residents within a fixed proximity to the project.



MEET THE TEAM

Patrick McMorrough

- Patrick is Ørsted's project manager responsible for the development throughout the planning process, as well as designing the wind farm layout.
- Patrick has significant experience in the planning and environmental assessment of wind energy projects.



Aidan Stakelum

- Aidan is responsible for developing community engagement strategies and stakeholder management plans to engage with new communities on Greenfield projects.
- Draft communications material with the project development teams including drafting of leaflets, booklets, websites, social media and communications updates on project progress.



CONTACT US

We welcome all engagement and interaction on all aspects of the proposed Kilgarvan rePower Wind Farm Project.

You can contact us by email: kilgarvaninfo@orsted.com Or call a member of the project team on: **0861037437**

Or write to us at: **Floor 5, City Quarter, Lapps Quay, Cork City, Ireland.**

Information can be found on our website: www.Orsted.ie

