

## How will MarramWind be built?

Given the scale of the project, the potential availability of technology and service providers, and the likely timing of capacity at the point of grid connection, the construction of MarramWind may involve phased installations of both onshore and offshore infrastructure for the duration of the full construction period. This will be confirmed as the project progresses. How the project will be built is set out below.

### Offshore installation

#### Installing the offshore cables

Prior to the offshore cables installation, the seabed will be cleared of debris and boulders. The cables will then be laid by cable laying vessels in sections 1-2m beneath the seabed where possible and joined together.

#### Wind turbine installation

The wind turbines may be transported to the windfarm site in pieces to be installed or pre-assembled and towed to site. Ports with adequate capacity for the installation work will be required but are not yet confirmed.

#### Offshore platforms and substations

The offshore platform foundations will be built near to a port and transported to site. Once the foundations are installed to the seabed, the offshore platforms and substations will be lifted into place.

#### Landfall

Joint bays (typically concrete-lined pits where the offshore and onshore cables are joined) will be built onshore at landfall.

Access to construction site(s) may require temporary access routes and/or the strengthening of existing roadways. A temporary construction compound will be required in the area.

The cables at the landfall site(s) will be buried and installed either by open cut construction or by Horizontal Directional Drilling (HDD). Open cut involves digging a trench within which the cables are laid directly or within a duct. The trench is then back filled. HDD is when a duct is installed by drilling horizontally through the ground, through which the cable is then pulled without disturbing the surface.

### Onshore

#### Installing the onshore cables

The onshore cables will be installed in sections and will require joint bays along the cable route. The cables will be installed by digging a trench and then laying the cables into the trench or installing a duct through which the cables are pulled. The trench is then backfilled. HDD or other tunnelling methods may be necessary to cross sensitive features such as watercourses and roads.

Temporary construction sites and compounds will be required to accommodate equipment, building materials and offices. Once construction is complete, the land will be reinstated.

#### Onshore substation infrastructure

Construction of the onshore substation infrastructure will require site preparation, installation of substation buildings and electrical equipment, and landscape mitigation. An access road(s) will also be built. A temporary construction compound is needed, but this will be dismantled and the land reinstated.

### Prioritising local benefits

We are prioritising using Scottish ports for MarramWind's construction. We actively seek collaboration with local suppliers, supporting local employment, businesses and the supply chain.

Our commitment aligns with national policy objectives to provide local socio-economic benefits from renewable energy projects.

