

NOTICE TO MARINERS



Notice of works associated with construction activities on Seagreen Offshore Wind Farm

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Seagreen Offshore Wind Farm – Inter Array Cable Installation

Contact Details for Marine Coordination and Fisheries Liaison

The following contact can provide more information if required:

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Fisheries liaison is coordinated by Brown and May Marine Ltd. For all fisheries enquiries, John Watt is primary contact:

Telephone Number	+44 (0) 1379872144
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Email	John.Watt@Brownmay.com
Address	Brown and May Marine Progress Way Mid Suffolk Business Park Eye, Suffolk IP23 7HU

1. Area of planned activity.

Inter-array cables will be installed between the wind turbine foundation structures and the offshore sub-station platform within the boundary of the Seagreen Offshore Wind Farm. Details of the Seagreen development site including coordinates are shown below in table 1 and fig 1.

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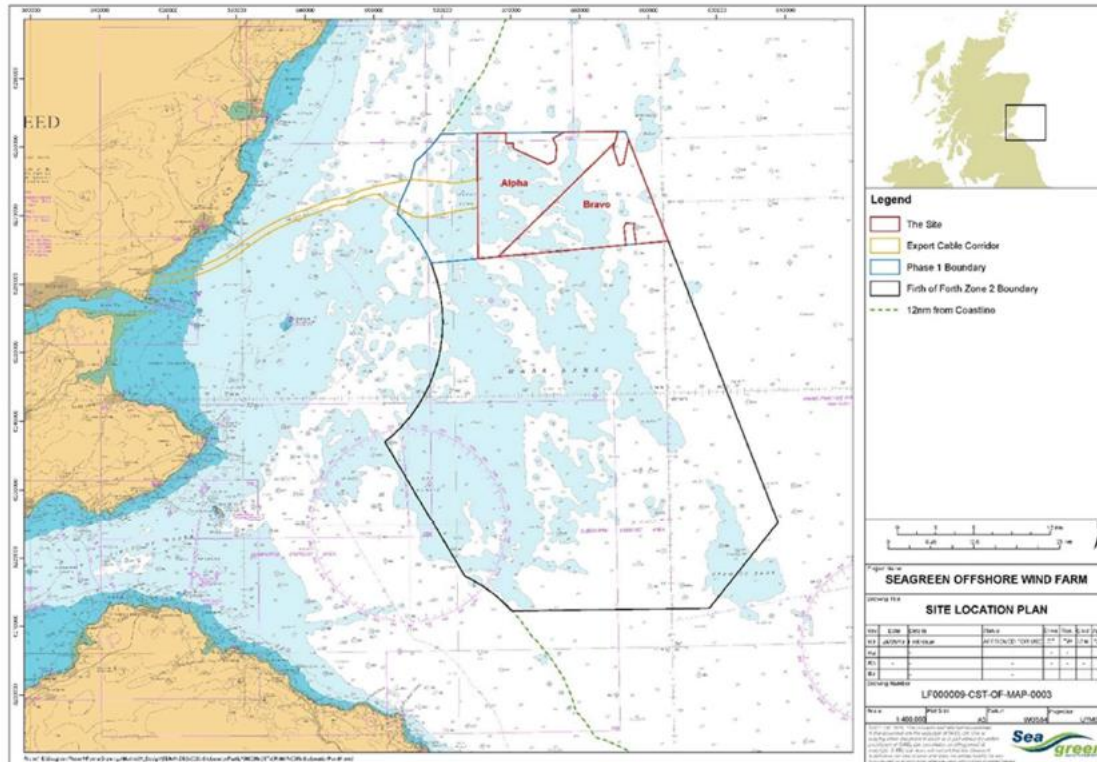


Fig 1 – Seagreen site boundary – in red.

ID	Latitude (DDM WGS 84)	Longitude (DDM WGS 84)
01	56° 40.631' N	1° 43.829' W
02	56° 40.606' N	1° 36.151' W
03	56° 39.317' N	1° 36.884' W
04	56° 37.913' N	1° 36.151' W
05	56° 39.923' N	1° 34.627' W
06	56° 31.903' N	1° 29.311' W
07	56° 31.724' N	1° 33.882' W
08	56° 32.983' N	1° 34.195' W
09	56° 33.051' N	1° 35.583' W
10	56° 31.666' N	1° 35.352' W
11	56° 30.803' N	1° 56.378' W
12	56° 40.653' N	1° 56.226' W
13	56° 40.648' N	1° 52.170' W
14	56° 39.836' N	1° 51.101' W
15	56° 38.138' N	1° 46.249' W
16	56° 38.383' N	1° 45.181' W
17	56° 40.157' N	1° 45.487' W

Table 1 – Site boundary coordinates

2. Activity Description.

On behalf of Seagreen Wind Energy Ltd, Seaway 7 will install and trench inter-array cabling between the wind turbine generator foundation structures and offshore sub-station platform within the Seagreen site boundary as shown in fig 1. Operations will commence with cable lay and trenching

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between wind turbine generator foundation structures, inter array cables will also be installed into the Offshore Substation Platform at a date to be confirmed.

Three vessels will be involved in the inter-array cabling operation, further details of their operations are below.

Siem Day – This vessel will act as the Installation Support vessel, cable installation technicians will be deployed to the wind turbine generator foundation structures using the vessels' motion compensated gangway system. The cable pulling equipment will be transferred onto the foundation structure and set up ready for the cables to be pulled into the structure and secured in the foundation basement. The motion compensated gangway system can be used for personnel and cargo transfers, an example is shown below in fig 2.



Fig 2 – Ampelmann motion compensated gangway system

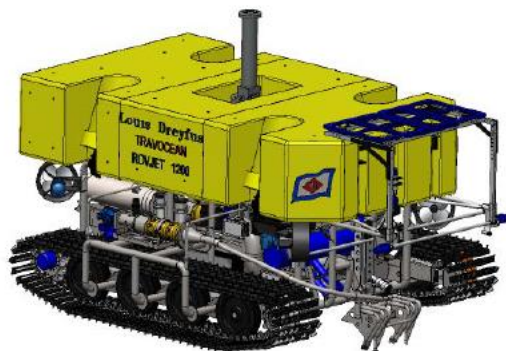
Maersk Connector – This vessel will lay the inter array cable between adjacent foundation structures. Once the cable has been pulled in and secured at the first foundation the cable will be surface laid to the second foundation location, pulled in and secured within the foundation basement.

Prior to cable laying operations commencing Maersk Connector will perform a pre lay grapnel run along the cable route between the two foundations, this is required to remove any debris that may hamper cable lay operations, any debris will be brought ashore for disposal.

Seaway Aimery – On completion of the cable lay operation this vessel will trench the surface laid cable between the foundation structures. A remotely operated trenching vehicle will be used to bury the inter array cables to the required depth, please see below example of the remotely operated trenching vehicle in Fig 3 and the vehicle being deployed from the vessel in fig 4.

The installation support vessel Siem Day is expected on site to commence operations on or around the 9th of November, the inter array cable installation vessel, Maersk Connector is expected to arrive on or around the 13th of November. The cable trenching vessel Seaway Aimery will arrive at a date to be confirmed.

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Fig 3 – remotely operated trenching vehicle.



Fig 4 – trenching vehicle being deployed from vessel.

3. Vessel associated with this activity.

Vessel Name – Siem Day	
General Description and Dimensions:	Installation Support Vessel 120.8m LOA, 25.9m beam, 6.2m draught
Call Sign:	LAFB6
MMSI:	257651000
Bridge telephone number	+47 919 04982
Onshore Representative:	George Cooper, Seaway 7. 07545 642881

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Vessel Name – Maersk Connector	
General Description and Dimensions:	Cable Lay Vessel 138m LOA, 28m beam, 5.7m draught
Call Sign:	OWEB2
MMSI:	219275000
Bridge telephone number	+47 2103 8003 +870 773 805 074
Onshore Representative:	George Cooper, Seaway 7. 07545 642881

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Vessel Name – Seaway Aimery	
General Description and Dimensions:	Cable Burial 95m LOA, 21m beam, 6.6m draught
Call Sign:	MDBO2
MMSI:	232015468
Bridge telephone number	+87 0773 409018 +49 1517 214 0419
Onshore Representative:	George Cooper, Seaway 7. 07545 642881

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4. General Safety Advice

All vessels involved in construction activities will exhibit appropriate lights and day-time shapes prescribed by the International Regulations for Preventing Collisions at Sea, relative to operations. The vessel will also transmit an Automatic Identification System (AIS) message.

It is requested that third party vessels give all construction vessels a wide berth and pass at a safe distance in excess of 500m at all times when construction activities are underway.

MARINERS ARE REMINDED to navigate with caution and keep continued watch on VHF Ch.70/16 when navigating the area.

5. Distribution List

A central list of recipients is maintained by the Marine Coordinator; if you are not the appropriate recipient of these notices, or do not wish to receive the notices in the future, please contact us at the address shown in this notice.