

Minesto UK Limited

Celtic House 41-43 Market Street,
Holyhead,
Anglesey,
Wales,
LL65 1UN

Our ref: ORML1618v2

24/01/2022

Dear David Collier,

MARINE AND COASTAL ACCESS ACT 2009: PART 4 – MARINE LICENSING

LICENCE TO Minesto Deep Green Holyhead Deep Project

LICENCE NUMBER: ORML1618v2

I am pleased to advise you that the Marine Licensing Team within Natural Resources Wales, on behalf of the Welsh Ministers, as Licensing Authority, has considered **Minesto UK Limited** variation application dated **20/08/2021** under Part 4 of the Marine and Coastal Access Act 2009, and hereby grant the Marine Licence for you to undertake the above stated works.

Accordingly, please find attached for your review and retention a copy of Marine Licence **ORML1618v2** and its conditions. Please note that Marine Licence **ORML1618v2** supersedes Marine Licence **ORML1618v1** in its entirety.

How licence has been varied:

Set out below are the changes made as set out by this decision.

1 Changes to condition 1.2 to allow deployment of the Dragon 12 device:

- **ORML1618v1 Condition 1.2 reads:**

Details of the works requiring the deposit of the substances or articles as specified at paragraph 1.1 of this Schedule are:-

Installation, operation, maintenance and decommissioning of a single Minesto Deep Green Utility (DGU) unit with a generating capacity of 0.5 MW, comprising of the following elements, as described in the application dated 16th June 2016 and in the variation application dated 20th June 2019:

- **DGU unit: composite materials, up to 12 metres (wing span) by 3.3 metres, weighing between 10 and 16 tonnes;**
- **Tether between DGU and foundation: Dyneema cable with plastic casing, up to 105 metres length;**
- **Subsea umbilical: Braided steel cable, up to 200 metres on seabed + water depth (maximum of 100 metres) 100 mm width;**
- **Gravity Base Structure Foundation: Concrete, up to 12 metres by 25 metres, approximately 1000 tonnes;**
- **Scour protection: Rock armour, up to 15 metres², approximately 1 metre in height around foundation;**
- **Anchor clump weights for barge, hook up barge or self-contained barge: Concrete or steel, 9 metres² per clump weight, eight anchors totalling 72 metres²**

Any alterations to the parameters of the device or materials for deployment must be agreed in writing with NRW prior to their deployment taking place.

- **ORML1618v2 Condition 1.2 reads:**

Details of the works requiring the deposit of the substances or articles as specified at paragraph 1.1 of this Schedule are:-

Installation, operation, maintenance and decommissioning of a single Dragon 12 unit with a generating capacity of 0.5MW, comprising of the following elements, as described in the variation application 21 August 2021 respectively:

- **Dragon 12 unit: composite materials, 12 m wingspan, 4.1 m height (winglets), 3.5 m average chord, weight 24 tonnes;**
- **Tether between Dragon 12 and foundation: Dyneema cable with plastic casing, up to 49.5 metres length;**
- **Subsea umbilical: Braided steel cable, up to 200 metres on seabed + water depth (maximum of 100 metres) 100 mm width;**
- **Gravity Base Structure Foundation: Concrete, up to 12 metres by 25 metres, approximately 1000 tonnes;**
- **Scour protection: Rock armour, up to 15 metres², approximately 1 metre in height around foundation.**

- 2 An extension of a year to the licence (to 11th April 2024) to allow for the deployment and testing of Dragon 12 unit.
- 3 The email address for HM Coastguard has been changed to zone31@hmcg.gov.uk in condition 8.15 to represent the current contact details to promulgate maritime safety.
- 4 Condition 8.1, 8.7, 8.10, 8.11 , 8.12 reference to DGU has been changed to Dragon 12 unit.

Advisory Note

Marine Licence, **ORML1618v2**, constitutes a statutory consent; therefore, the conditions set out herein must be complied with in full and will be binding upon any agent or contractor who undertakes any activity on the project on your behalf.

Marine Licence, **ORML1618v2** is solely granted for the work to be undertaken with the area specified in the Licence; however, it does not absolve you from applying for further consents or licences as necessary to enable the full completion of your project.

If the works authorised by this Licence are unlikely to be completed by the expiry date, NRW PS does not anticipate any further extension to be granted without the need for a full assessment.

Should you require clarification as to the reasons for the inclusion of any of the conditions attached to the Licence then you must request written notice within 28 days of the receipt of this letter.

Finally, once again, please ensure you have read and understood Marine Licence **ORML1618v2**. Should you have any queries with regards to your Marine Licence then please do not hesitate to contact the Marine Licensing Team.

Following the UK's departure from the EU on 31 January 2020 and the end of the transition period on 31 December 2020, the legal obligations relating to compliance with environmental permits and legislation will continue to apply. NRW will continue to issue and regulate all permits and licenses in line with our current practice. If you have any questions about your permits or licenses and/or site management, please contact our Customer Care Centre on 03000 653 000.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Maria Alvarez', is written over a light grey rectangular background.

Maria Alvarez
Marine Licensing Team
Natural Resources Wales