



Notice to Mariners

East Anglia TWO

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Final

Scottish Power Renewables



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Client	Scottish Power Renewables
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Project Team

Initials	Name	Role
LF	Lars Fogelin	Project Manager
MML	Matthew Linham	Senior Oceanographer
CRD	Chris Duffield	Oceanographic Engineer

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1. Introduction

Mariners are advised that East Anglia TWO are planning the deployment of a SeaWatch LiDAR Buoy (SWLB); this is a sea state measurement instrument (referred to as 'the equipment'). The deployment location is within the UK Sector of the North Sea off the coast of East Suffolk and Essex as shown in the coordinates below.

The equipment will be deployed within the East Anglia TWO wind farm array limits and will be deployed for approximately twelve months from July 2020.

The equipment will be located as close as reasonably practicable to the coordinates as provided within this Notice to Mariners. The estimated deployment date is as follows:

- Deployment 8 July 2020 or earliest possibility thereafter pending vessel availability and suitable weather.

The equipment is to be deployed by a single vessel. Deployment will take one day on site. Scheduled maintenance is planned in the autumn/winter of 2020, from October onwards. Unforeseen maintenance may also be required.

The mooring design is specific to each SWLB deployment and location. The equipment will be moored through a combination of steel chains, rope and rubber cord to approximately 2250 kg anchor weight at the seabed.

2. Area of Operations

The equipment will be located within the East Anglia TWO offshore development site. Coordinates and planned deployment location are provided in Table 1 and Figure 1.

Table 1: SWLB Coordinates

Name	Latitude	Longitude	Depth (m)
SWLB	52° 06.9905' N	002° 11.8925' E	39

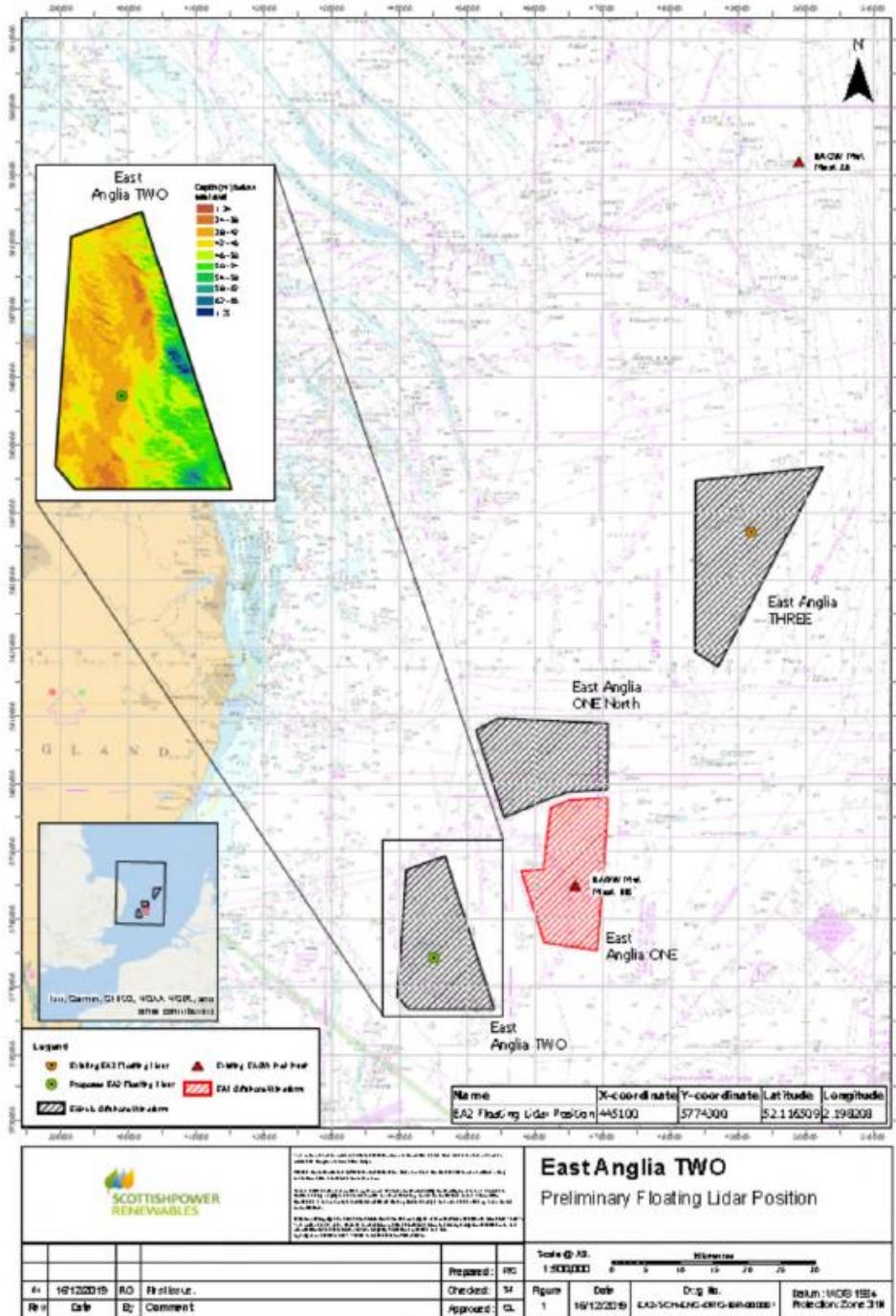


Figure 1: SWLB planned deployment location

3. Offshore Metocean Measurements

3.1 Details

Please be advised that Fugro are performing the deployment operations with a suitable vessel as outlined in Section 5.

The deployment vessel will be restricted in its ability to manoeuvre both during the tow of the equipment to the deployment site and while deployment operations are ongoing. It is requested that all vessels operating within the area keep a safe distance (200 m) and pass at minimum speed to reduce vessel wash.

Operations will be conducted on a 24-hour basis. Throughout operations the vessels will be displaying the shapes and lights prescribed in the International Rules for the Prevention of collisions at Sea (COLREGS) Rule 27. Displaying the prescribed shapes and lights when the vessel is restricted in its ability to manoeuvre.

3.2 Safety

It is requested that anybody having knowledge of any potential objects submerged or moored on the seabed close to the deployment zone, that could be damaged or form a hazard to the vessel and its equipment advises the Project's Fishing Industry Liaison Officer of their position and nature. When operations commence, a listening watch will be maintained on VHF Channel 12 and 16 when within the appropriate port authority area. The vessel and the equipment will also actively transmit an AIS signal.

4. Immediate Contacts

The contents of this notice are based upon our current understanding of East Anglia TWO requirements.

Enquiries regarding the contents of this Notice to Mariners or any other matters should be directed to the persons outlined in Table 2.

Table 2: Contact persons

Role	Name	Contact Details
Scottish Power FliDar Package Manager	Beatriz Galán	+34 659 027 371 bgalan@iberdrola.es
Fugro Project Manager	Lars Fogelin	+47 9241 0056 l.fogelin@fugro.com
Fugro Project Director	Arve Berg	+47 9139 4172 a.berg@fugro.com
Senior Oceanographer	Matthew Linham	+44 2392 205 503 +44 7917 852 948 m.linham@fugro.com
Operations Manager	Ralph Bostock	+44 2392 205 514 +44 7787 430 832 r.bostock@fugro.com

5. Survey Vessels

Pending availability, the vessels outlined below are currently options for the deployment of the equipment. If none of these vessels is available, an alternative will be sourced and an updated NtM issued.

Table 3: Vessel details Baloe


Vessel	Baloe
Vessel type	Tug
Operator	Herman Sr.
Call sign	PGBI
IMO	9382463
	

Table 4: Vessel details Afon Wen


Vessel	Afon Wen
Vessel type	Tug
Operator	Holyhead Towing
Call sign	5BRK2
IMO	9473652
	

Table 5: Vessel details Teddy

Vessel	Teddy
Vessel type	Tug
Operator	Herman Sr.
Call sign	PBFE
IMO	9862061



6. Distribution List

This NtM has been distributed to the following parties.

Table 6: Distribution list for this NtM

Distribution List
marine@scottishpower.com
jonathan@brownmay.com
sarah@gobeconsultants.com
jyoung@ScottishPower.com
nberry@scottishpower.com
nabad@scottishpower.com
c.paterson@scottishpower.com
wm.humber@mcga.gov.uk
sdr@ukho.gov.uk
offshore.energy@ukho.gov.uk
noticestomariners@ukho.gov.uk
navigationsafety@mcga.gov.uk
navigation.directorate@thls.org
lowestoft@marinemangement.org.uk
kingfisher@seafish.co.uk
zone10@hmcg.gov.uk
NavWarnings@UKHO.gov.uk
nmoccontroller@hmcg.gov.uk