

沃 旭 能 源 股 份 有 限 公 司 函

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發文日期：中華民國112年05月04日

發文文號：2023-OTW-0016

附件：浮動式光達 Floating Lidar 規格說明文件

主旨：有關本公司擬於台中苗栗外海佈放浮動式光達 Floating Lidar 相關事宜，詳如說明，請查照。

說明：

一、有關本公司與「沃能一號離岸風力發電股份有限公司籌備處」、

「沃能二號離岸風力發電股份有限公司籌備處」之氣象觀測工作之相關團隊合作，因光達自先前佈放位置移位，緊急搶救後將光達托送回台中港。原擬於112年4月30日前台中苗栗外海重新安置浮動式光達 Floating Lidar 進行資料蒐集。因故，於112年4月28日早上臨時取消原佈放計畫，預計於112年5月31日前完成佈放。

佈放座標等說明如下：

FLD 2(Akrocean WS18)

原座標

經度：120°07'32.946"E

緯度：24°30'21.031"N *WGS84

FLD 2(Akrocean WS18)重新佈

放座標經度：120°7'32.95"E

緯度：24°30'4.85"N *WGS84

外觀：船型載具(長度5.1M，水面上高度約1.2M，寬

度3M)燈質：每20秒閃5次

見距:2-4 海浬

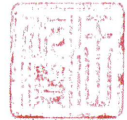
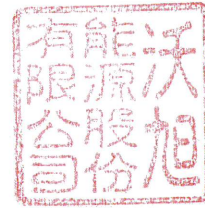
已裝設 AIS，MMSI 號碼:994161072

二、茲檢附浮動式光達 Floating Lidar 規格說明文件((詳附件)供 貴局參考。敬請貴局協助佈航船佈告。

三、本案緊急聯絡人:大躍離岸運維股份有限公司 02-2531-8677

正本：交通部航港局中部航務中心

副本：台中區漁會、通苑區漁會、大躍離岸運維股份有限公司





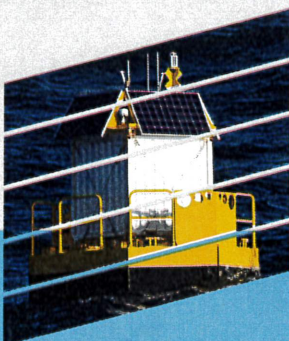
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- └ Stage 2 Carbon Trust validated with LEOSPHERE WindCube Offshore (independently verified by DNV-GL)
- └ Sharable with a large range of other sensors
- └ Passive pitch & roll stabilization system
- └ 365/7 monitored (via onshore center)
- └ Robust and Sea Proven
- └ Eco-Friendly (No diesel on board)
- └ High O&M and QHSE expertise
- └ Plenty of power available
- └ Safe work on-board

Offshore Wind Assessment

- └ 3D FlightTrack Radar from DIADES MARINE embedded
- └ Advanced Real-Time 3D Detection, positioning & tracking
- └ Maximum range 10km (birds) / 30 km (vessels)
- └ Passive and Active motion compensated
- └ 365/7 monitored (via onshore center) and migration alerts
- └ High Maritime & Environmental partners' expertise
- └ Eco-Friendly (No diesel on board)
- └ Turn-key data delivery
- └ Field Validation with ornithologist



Birds & Bats Assessment



- └ Surface and Subsea multi sensors slots enabling to collect complete sets of environmental data from met ocean conditions, biological, human activities, mammals, fishes and bird presence
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- └ 365/7 onshore monitored
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