

檔 號：

保存年限：

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密等及解密條件或保密期限：

附件：如文(附件一 1120224002_Attach1.pdf)

主旨：檢送本公司「中能離岸風場氣象浮標佈放作業」相關資訊，敬請貴局發布航船佈告，詳如說明，請查照。

說明：本公司計畫從2023年3月到2024年10月期間佈放兩組氣象浮標於中能離岸風場，其工程範圍、施工位置、施工廠商、施工船舶、航行路線與相關聯繫人員資訊詳如附件一。敬請貴局協助發布航船佈告。

正本：交通部航港局

副本：

交通部航港局



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附件一 Appendix 1

一、作業範圍 (operation area)

中能離岸風場工程預計在2023年3月1日開始，因工程需要，將計畫在風場內(如圖一紅框處)佈放兩組氣象浮標，風場邊界及浮標佈放座標如表一及表二所示。

Zhongneng offshore wind farm project is expected to start on March 1, 2023. For project demand, it is planned to deploy two sets of weather buoys in ZN wind farm (as shown in the red box in Figure 1), and the wind farm boundary and buoy deployment location are shown in Table 1 and Table 2.

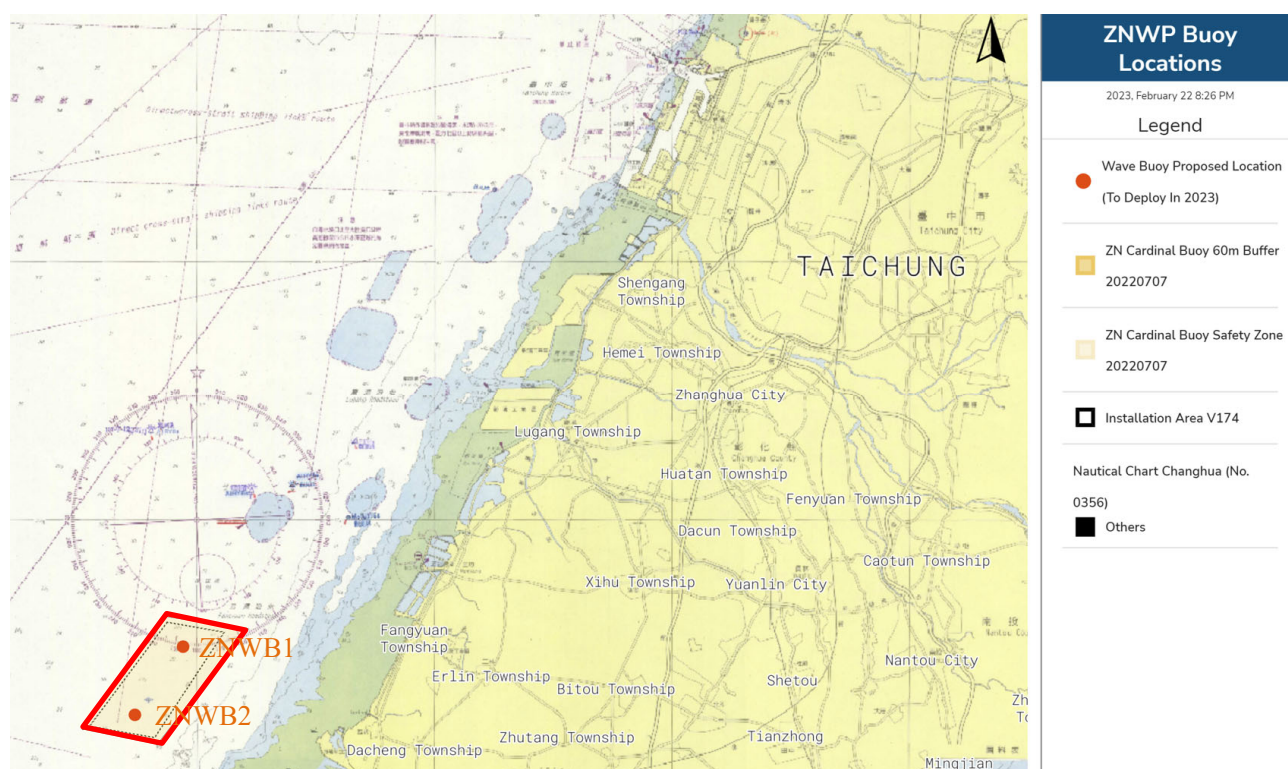


圖1、工作區域 Figure 1 Operation area

表1、風場邊界 Table 1 The boundary of wind farm

Wind farm Boundary	WGS 84		Wind farm Boundary	TWD 97	
	Long (X coordinate)	Lat (Y coordinate)		Easting (X coordinate)	Northing (Y coordinate)
1	120.1388877	23.9454036	1	162349.91	2649244.09
2	120.1931039	23.9366383	2	167863.12	2648240.70
3	120.1351752	23.8560442	3	161911.48	2639349.47
4	120.0737743	23.8657379	4	155664.02	2640462.63

表2、氣象浮標位置 Table 1 Weather buoy locations

Buoy No.	WGS 84		Wind farm Boundary	TWD 97	
	Long (X coordinate)	Lat (Y coordinate)		Easting (X coordinate)	Northing (Y coordinate)

ZNWB1	120.1581597	23.9187837	1	164294.07	2646283.99
ZNWB2	120.1242992	23.8749755	2	160816.58	2641453.00

二、 作業期程(construction period)

氣象浮標佈放工作預計在2023年2月28日至2023年03月1日之間，浮標佈放完成後，浮標將持續於中能風場作業至2024年10月底。

Two weather buoys are estimated to deploy between 2023.02.28 and 2023.03.01, after deployment, the buoys will keep on duty in ZN offshore wind farm until 2024.10.31.

三、 承攬廠商與相關聯繫人員 Contractors and relevant contact people

氣象浮標佈放工作將由東方風能股份有限公司所承攬，相關聯繫人員如表3所示。

The buoy deployment will be carried out by DONG FANG OFFSHORE, the relevant contact people are showed as Table 3.

表3、承攬廠商及聯繫人員 Table 3 contractor and contact people

施工廠商 contractor	施工期間 duration	聯絡人員 name	聯絡電話 Phone No.	施工範圍 Operation area
DFO	Every day 00:00~24:00	吳建興	+886 939-071-687	如第一章節 As chapeter 1

四、 施工船舶 working vessel

氣象浮標佈放工作將由東方風能旗下船舶-東方7號來執行，船舶資料如下表所示。

Buoy deployment will be carried out by Orient No.7 under DFO, the vessel information is as the following table.

船舶基本資訊 vessel information	
	
Name	東方7號 (Orient No.7)
Call sign:	BR4339
IMO No:	9441673
MMSI:	416006266
Vessel Type	拖船(Tug)
Nationality	Taiwan
Length	43m
Breadth	12.6m
Draft	4.3m

五、天氣浮標規格 weather buoy specification

中能風場專案的兩組氣象浮標如圖2所示，

Two sets of weather buoys which will be deployed in ZN wind farm are as shown in Figure 2.

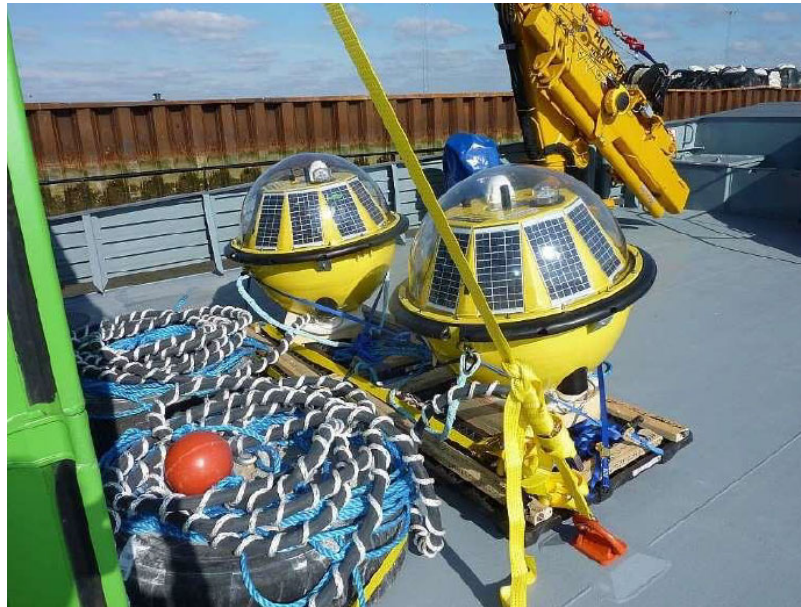


圖2、天氣浮標 Figure 2 weather buoys

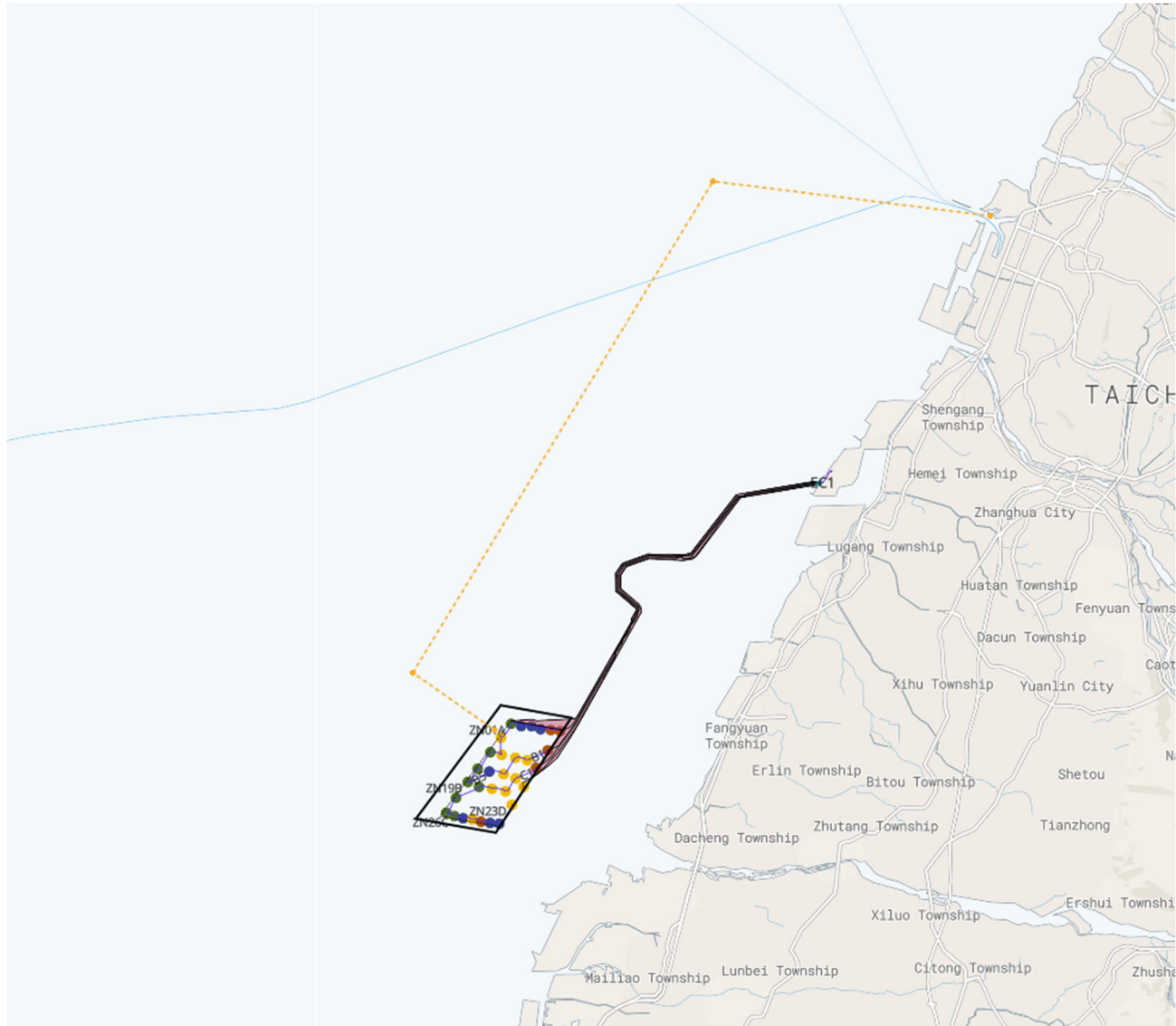
在兩顆標記浮標上皆附有警示燈，其規格簡述如下，

Both weather buoys are equipped with navigation lights, the brief specification is as the following information.

- (1) 形狀：圓形浮體
 - (2) 顏色：黃色
 - (3) 直徑：2公尺
 - (4) 高度：約海平面1.0公尺
 - (5) 燈光：黃色燈光(5)20S-閃1.5秒暗0.5秒，重複五次後，停止10秒...，重複以上循環。
 - (6) 能見度：1-5海浬
- (1) Shape: round floating body
 - (2) Color: Yellow
 - (3) Diameter: 2 meters
 - (4) Height: around 1.0 meter above sea level
 - (5) Lighting: yellow light (5)20S-flashing for 1.5 seconds and dark for 0.5 seconds, after repeating five times, stop for 10 seconds..., repeating the above cycle.
 - (6) Visibility: 1-5 nautical miles

六、 預計航行路線 The planned sailing route

本計畫動員船舶，將以台中港作為工作母港，出發至中能風場佈放浮標，如有緊急情況或氣候影響，將使用台中港作為緊急避難港口。



All vessels mobilized in this plan will use Taichung Port as the working port, and departure to ZN offshore wind farm to deploy two weather buoys. In case of emergency or weather impact, Taichung Port will also be considered as an emergency refuge ports.