附件一

一、 作業範圍(Operational Area)

本作業區域為台中湳妙離岸風場第一期海域，場址水深約為52至61公尺，本作業區域位置則如圖 1之A區域所示。其安全區範圍座標點、水下基礎及海上變電站之安裝位置分別如圖2及表1及表2所列。

The operational area is located within the Phase 1 of the Taichung Fengmiao Offshore Wind Farm, where the water depth ranges from 52 to 61 meters. The operational area is shown in Area A of Figure 1. The coordinates of the safety zone, the installation locations of the foundations and the offshore substation, and wave buoy locations are listed in Figure 2 and Table 1 and 2, respectively.

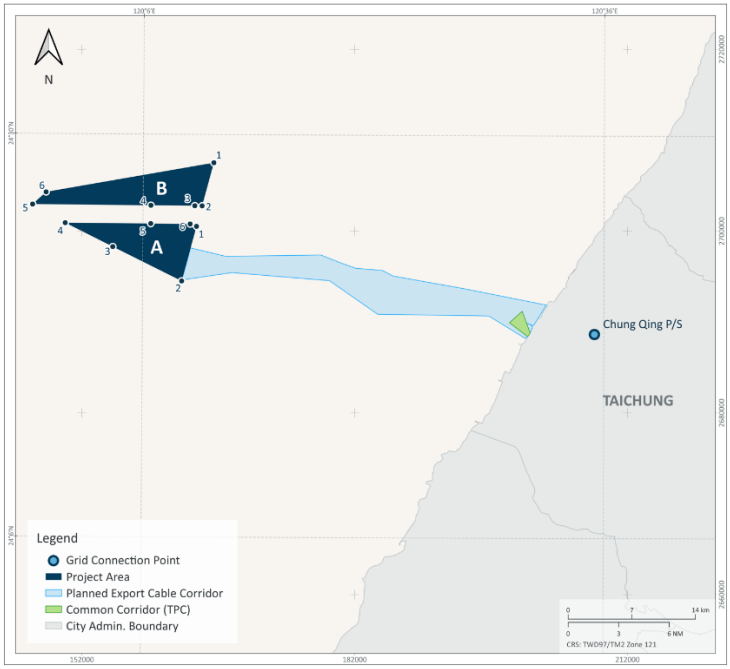


圖1、本計畫風場區域 FEM1 project area

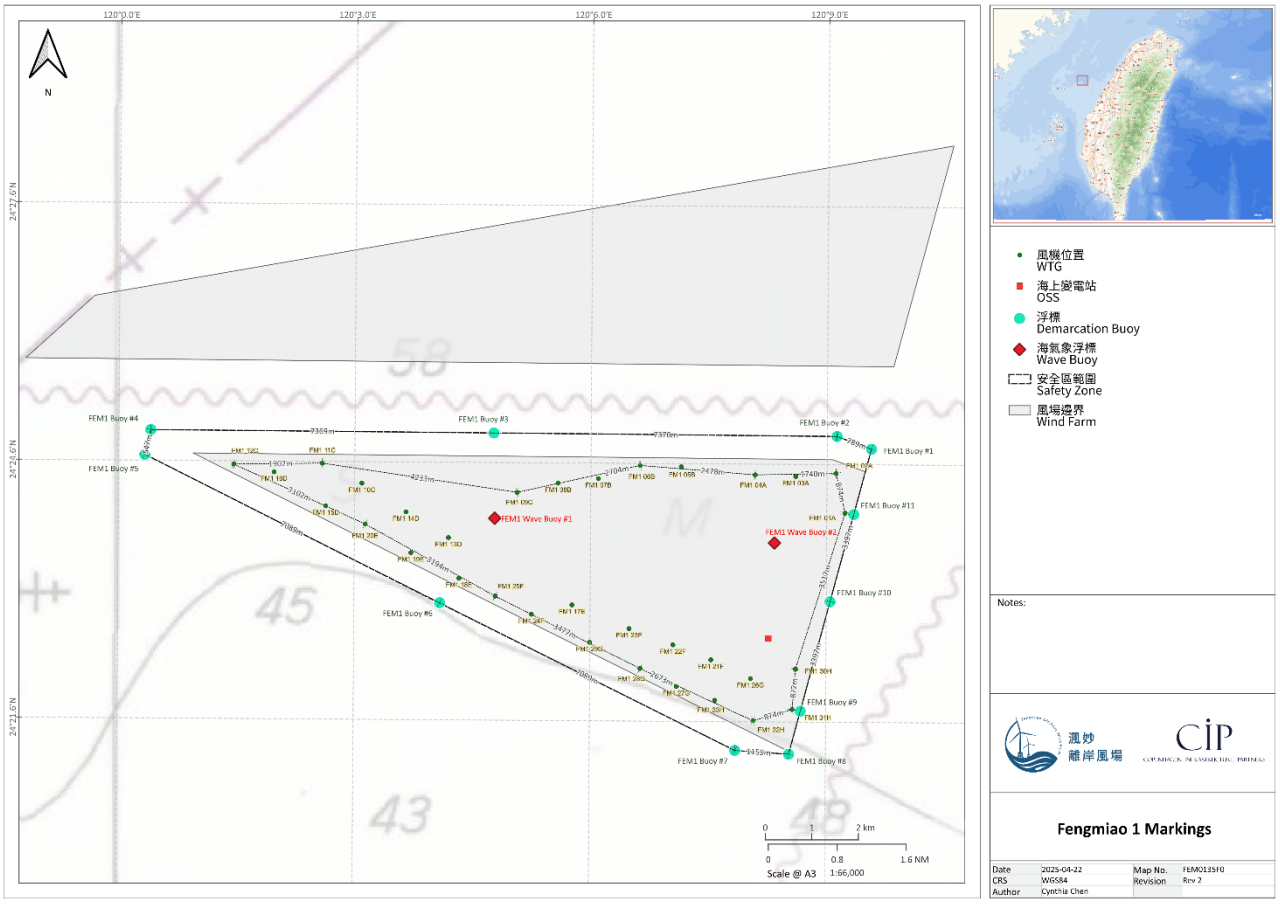


圖2、本計畫風場安全區、水下基礎、及海上變電站The locations of safety zone, foundations, and offshore substation.

表1、颯妙風場第一期施工期間安全區範圍座標The coordinates of FEM1 construction safety zone

WGS84	
Long (X 座標)	**Lat (Y 座標)**
120°09′33.8″	24°24′46.9″
120°09′07.5″	24°24′55.7″
120°04′45.9″	24°24′56.7″
120°00′24.4″	24°24′57.4″
120°00′19.9″	24°24′40.1″
120°04′05.3″	24°22′57.8″
120°07′50.9″	24°21′16.0″
120°08′32.0″	24°21′13.5″
120°08′40.7″	24°21′43.6″
120°09′02.9″	24°23′00.2″
120°09′20.6″	24°24′01.3″

表2、施工點位 Installation Locations

預計施工點位(名稱)	WGS 84	
	Long (X 座標)	**Lat (Y 座標)**
21F	120°7.539'	24°22.319'
29G	120°5.997'	24°22.514'
20E	120°3.137'	24°23.875'
19E	120°3.720'	24°23.545'
11C	120°2.587'	24°24.580'
23F	120°6.497'	24°22.677'
28G	120°6.640'	24°22.214'
25F	120°4.794'	24°23.045'
24F	120°5.256'	24°22.837'
26G	120°8.043'	24°22.104'
31H	120°8.575'	24°21.746'
18E	120°4.333'	24°23.252'
22F	120°7.057'	24°22.491'
32H	120°8.078'	24°21.615'
08B	120°5.586'	24°24.366'
33H	120°7.591'	24°21.848'
27G	120°7.101'	24°22.006'
15D	120°2.635'	24°24.083'
30H	120°8.614'	24°22.217'
02A	120°9.117'	24°24.497'
12C	120°1.462'	24°24.562'
09C	120°5.066'	24°24.255'
17E	120°5.770'	24°22.949'
13D	120°4.197'	24°23.723'
01A	120°9.233'	24°24.036'

預計施工點位(名稱)	TWD 97	
	Long (X 座標)	**Lat (Y 座標)**
21F	161297.5156	2696499.5269
29G	158692.4535	2696876.1644
20E	153873.6791	2699420.8197
19E	154855.1738	2698804.9244
11C	152952.8339	2700728.6723
23F	159539.8254	2697171.6103
28G	159776.1400	2696315.3500
25F	156664.8209	2697869.7451
24F	157443.4304	2697480.6125
26G	162147.2604	2696097.2923
31H	163042.7714	2695430.8387
18E	155887.9316	2698257.0650
22F	160484.5124	2696822.1990
32H	162200.8191	2695194.2226
08B	158019.8509	2700299.5420
33H	161379.9736	2695629.4993
27G	160553.2257	2695926.4063
15D	153027.6484	2699810.6235
30H	163114.0841	2696299.9032
02A	163990.3487	2700503.5948
12C	151050.8532	2700708.6984
09C	157139.4526	2700100.4088
17E	158313.8531	2697681.6813
13D	155663.8222	2699128.0901
01A	164181.2449	2699651.3828

03A	120°8.604'	24°24.460'
10C	120°3.092'	24°24.350'
04A	120°8.088'	24°24.476'
07B	120°6.096'	24°24.422'
14D	120°3.654'	24°24.019'
06B	120°6.626'	24°24.578'
05B	120°7.149'	24°24.564'
16D	120°1.976'	24°24.475'
OSS	120°8.266'	24°22.573'

03A	163122.7388	2700440.6233
10C	153803.5999	2700298.2139
04A	162250.6585	2700475.5759
07B	158882.6598	2700397.3072
14D	154749.5145	2699680.7052
06B	159780.4481	2700679.5113
05B	160664.3717	2700648.0218
16D	151918.6228	2700542.0032
OSS	162529.7213	2696960.7265

*實際施工點位可能因水深、海流及其他不確定之海氣象因素而有微調或增減。

二、 作業期程

本計畫所動員之船舶預定作業期程為115年2月1日至115年9月30日，惟實際期程將視現場施工進度與海氣象條件予以調整。

The project vessels are scheduled to operate from 1 February to 30 September 2026. However, the actual schedule may be adjusted depending on on-site installation progress and weather conditions.

三、 承攬廠商與相關聯繫人員

本計畫主要由台船環海工程股份有限公司所承攬，其相關聯繫人員如表3所示。

This engineering is primarily contracted by CDWE (CSBC-DEME Wind Engineering Co., Ltd.), and the relevant contact personnel are listed in Table 3.

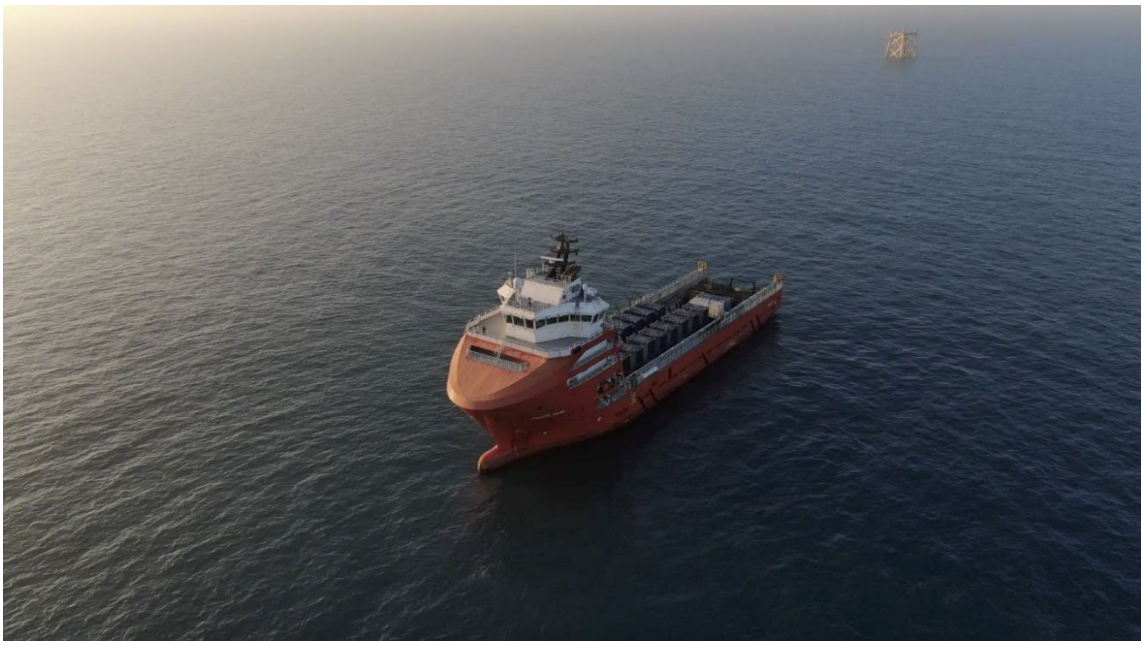
表3、承攬廠商及聯繫人員

施工廠商 Contractors	**施工期間 Duration**	**聯絡人員 Name**	**聯絡電話 Phone**	**施工範圍 Operatoinal area**
台船環海工程股份有限公司	每日 00:00~24:00	Green Jade Captain	+870773040180	作業範圍如上節說明
台船環海工程股份有限公司	每日 00:00~24:00	James Lin (林敏清)	+886-975-852-093	作業範圍如上節說明
台船環海工程股份有限公司	每日 00:00~24:00	Daniel Matthieu	+886-965-326-757	作業範圍如上節說明
台船環海工程股份有限公司	每日 00:00~24:00	Ken Lee (李柏霖)	+886-2-6604-0888 #659	作業範圍如上節說明
澎妙離岸風力發電股份有限公司 Fengmiao Offshore Wind Farm	每日 00:00~24:00	海事協調人員 Duty Marine Coordinator	+886 912-315-932	-

四、 施工船舶

本專案所將動員之船舶如下所述。

船舶基本資訊 Vessel Information	
	
Name	環海翡翠輪 Green Jade
Call sign	BHJR
IMO No	9915038
MMSI	416073000
Vessel Type	Heavy Lift Floating Crane Vessel
Flag	R.O.C. Taiwan
Length/Breadth	216.5m / 49m
Draft	8.5m

船舶基本資訊 Vessel Information	
	
Name	Pacific Hawk
Call sign	9V2080
IMO No	9579092
MMSI	563138200
Vessel Type	Platform Supply Vessel
Flag	Singapore
Length/Breadth	78.14m / 19m
Draft	4.5m

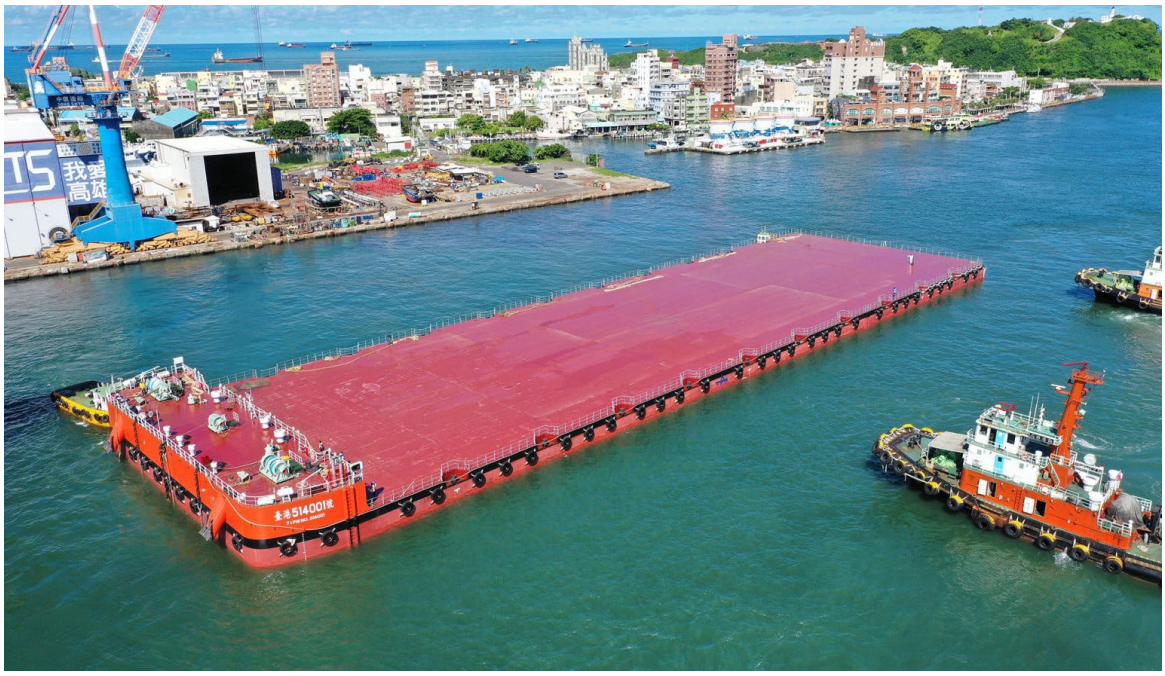
船舶基本資訊 Vessel Information	
	
Name	Vallianz Commander
Call sign	9V7009
IMO No	9503055
MMSI	566581000
Vessel Type	Anchor handling tug supply
Flag	Singapore
Length/Breadth	76m / 16.8m
Draft	6.1m

船舶基本資訊 Vessel Information	
	
Name	Binh An
Call sign	3WND
IMO No	9246126
MMSI	574335000
Vessel Type	Tug
Flag	Vietnam
Length/Breadth	60.40m / 15m
Draft	5.4m

船舶基本資訊 Vessel Information	
	
Name	MMA Crystal
Call sign	BHJJ
IMO No	9594212
MMSI	416254600
Vessel Type	Tug
Flag	R.O.C. Taiwan
Length/Breadth	70.05m / 17m
Draft	5.6m

船舶基本資訊 Vessel Information	
	
Name	CSBC 16
Call sign	BHKV
IMO No	9559030
MMSI	416080000
Vessel Type	Tug
Flag	R.O.C. Taiwan
Length/Breadth	76m / 18.5m
Draft	6.0m

船舶基本資訊 Vessel Information	
	
Name	CSBC 15
Call sign	BKMQ
IMO No	N.A.
MMSI	416046000
Vessel Type	Barge
Flag	R.O.C. Taiwan
Length/Breadth	140.00m / 41m
Draft	5.2m

船舶基本資訊 Vessel Information	
	
Name	TIPM 514001
Call sign	N.A.
IMO No	N.A.
MMSI	416006589
Vessel Type	Barge
Flag	R.O.C. Taiwan
Length/Breadth	134.44m / 41m
Draft	3.6m

船舶基本資訊 Vessel Information	
	
Name	EOS 4002
Call sign	BHGQ
IMO No	N.A.
MMSI	416058000
Vessel Type	Barge
Flag	R.O.C. Taiwan
Length/Breadth	122m / 36.6m
Draft	5.8m

船舶基本資訊 Vessel Information	
	
Name	Prosperous 6
Call sign	BR5196
IMO No	1114212
MMSI	416016054
Vessel Type	CTV
Flag	R.O.C. Taiwan
Length/Breadth	28.4m/9.13m
Draft	1.508m

船舶基本資訊 Vessel Information	
	
Name	MMA Prestige
Call sign	9WNL4
IMO No	9696175
MMSI	533130592
Vessel Type	Multipurpose Support Vessel
Flag	Malaysia
Length/Breadth	87.8m/22.00m
Draft	5.5m

船舶基本資訊 Vessel Information	
	
Name	Orient Constructor
Call sign	BR4505
IMO No	9682148
MMSI	416007369
Vessel Type	Multipurpose Support Vessel
Flag	R.O.C. Taiwan
Length/Breadth	115.40m/22.00m
Draft	7.12m

船舶基本資訊 Vessel Information	
	
Name	Prosperous 3
Call sign	BR4975
IMO No	9990076
MMSI	416010493
Vessel Type	CTV
Flag	R.O.C. Taiwan
Length/Breadth	27.4m/8.9m
Draft	-

五、 計畫預計航行路線

本計畫所動員之所有船舶預計自115 年 2 月起 陸續抵達台中港，並於港區完成清關及動員整備作業後，航行至湓妙風場執行專案工作。而於水下基礎或變電站安裝期間，船舶將於各港口及風場間往返，以進行補給作業。另如遇緊急情況或氣候影響，則各船舶將會考量台中港、安平港、基隆港或高雄港作為停留或緊急避難港口，相關位置及距離如圖3及表4所示。

All vessels mobilized for this project are expected to arrive at Taichung Port gradually starting from February 2026. After completing customs clearance and mobilization preparations within the port, the vessels will transit to the Fengmiao Offshore Wind Farm to execute project operations. During the installation of the foundations or the offshore substation, the vessels will travel between the ports and the wind farm to conduct resupply operations. In the event of emergencies or adverse weather conditions, the vessels may consider Taichung Port, Anping Port, Keelung Port, or Kaohsiung Port as standby or emergency shelter ports. The respective locations and distances are shown in Figure 3 and Table 4.

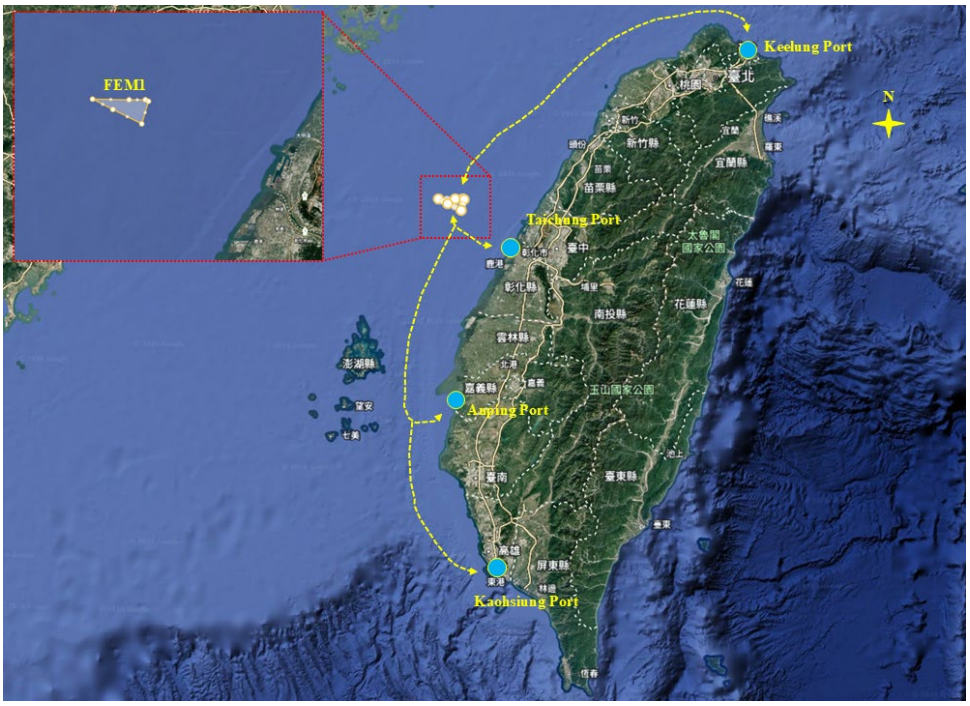


圖3、船舶計畫航行路線 The planed vessel sailing route

表4、各港口至湓妙風場之距離 Distance from each port to FEM1

出發港口(Departing Port)	距離(Distance) (nm)
基隆港(Keelung)	≈ 119
台中港(Taichung)	≈ 35
高雄港 (Kaohsiung)	≈ 117
安平港 (Anping)	≈ 73