



[Appendix 附件]

Vessel Specification and Information

船舶與作業相關資訊

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1.0 作業範圍 SITE AREA

1.1 作業區域 Layout of Site

Formosa 2 離岸風場位於台灣西北海岸新竹外海約 4-10 公里處。風電場分為四組，總面積約為 60 平方公里。該風電場將由 47 台 Siemens Gamesa SG-8.0-167 DD 風力渦輪機組成，總共將擁有容量378MW。下圖1可見其風場範圍（橘色與綠色框線內），關於此區之座標請詳見表2

The Formosa 2 Offshore Windfarm site is located approximately 4-10km off the North-West coast of Taiwan near Shin-chu. The Windfarm is subdivided into four strings which total an area of approximately 60km². The Windfarm will consist of 47 Siemens Gamesa SG-8.0-167 DD wind turbines and will have a total

capacity of 378MW. Windfarm area as shown in below picture 1 (outlined with orange and green).

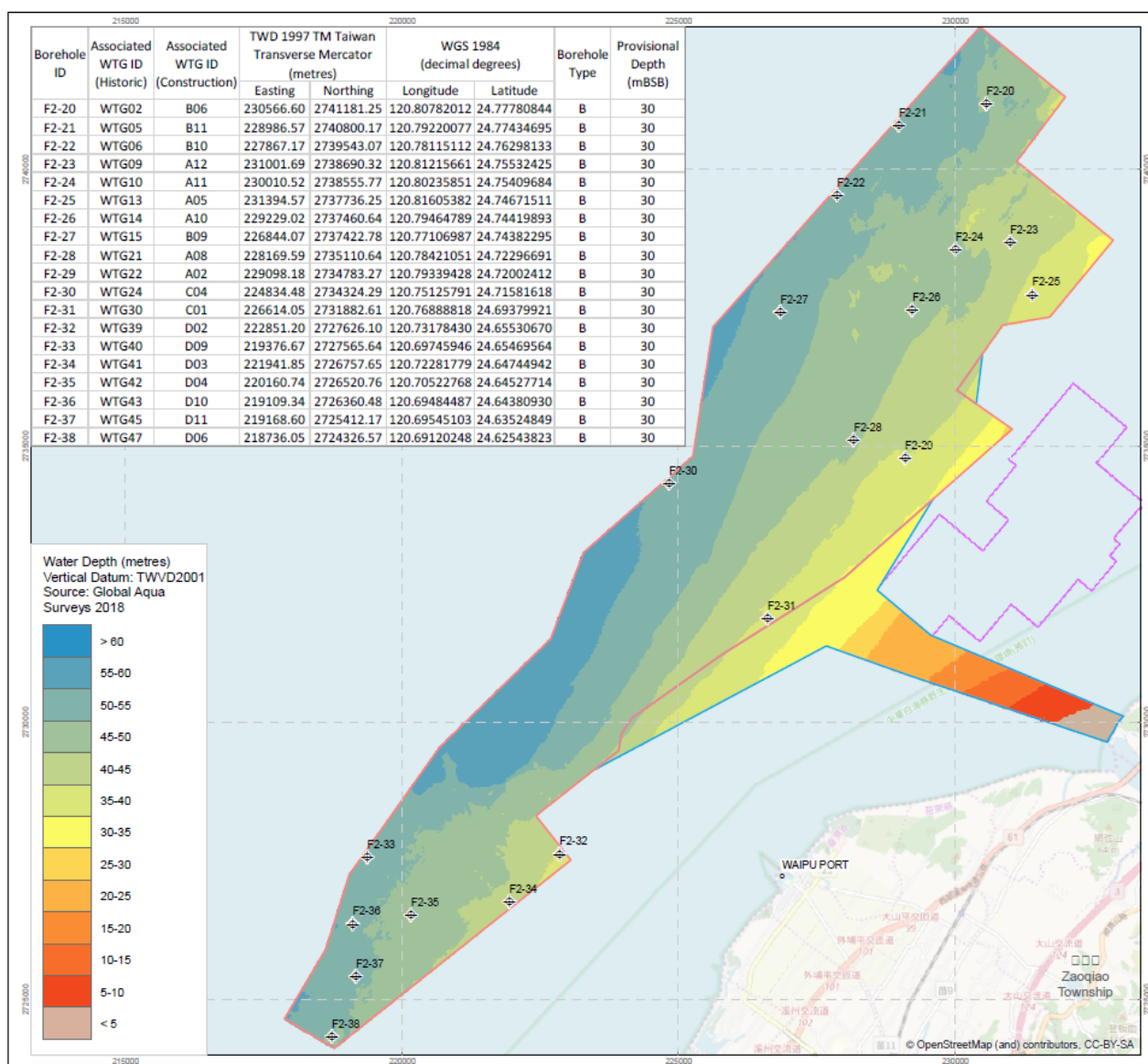


Figure 1-1 : Offshore Windfarm boundary and survey boundary

風場位置圖及調查範圍

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1.2 風場邊界座標資訊 Coordinate of Site Boundary

詳細座標如下表所示。The coordinate information is as below.

編號 (No.)	TWD 97		WGS 84 (deg, deg)		WGS 84 (deg, min, sec)	
	E	N	E	N	E	N
C1	217872.89	2724643.02	120.682670	24.628277	120°40'57.61"	24°37'41.79"
B2	218777.04	2724108.93	120.691612	24.623474	120°41'29.8"	24°37'24.5"
B1	223051.42	2727512.60	120.733765	24.654285	120°44'1.55"	24°39'15.42"
C2	222420.02	2728313.81	120.727511	24.661508	120°43'39.03"	24°39'41.42"
A13	223918.65	2729494.82	120.742295	24.672197	120°44'32.26"	24°40'19.9"
A14	223968.13	2729800.37	120.742779	24.674957	120°44'34"	24°40'29.84"
A15	224159.06	2730083.03	120.744660	24.677512	120°44'40.77"	24°40'39.04"
A16	225741.48	2731201.52	120.760277	24.687636	120°45'36.99"	24°41'15.48"
A17	228006.96	2732629.73	120.782642	24.700565	120°46'57.51"	24°42'2.03"
C3	231031.62	2735304.39	120.812498	24.724754	120°48'44.99"	24°43'29.11"
C4	230033.37	2736007.16	120.802621	24.731086	120°48'9.43"	24°43'51.9"
A22	230863.75	2737186.68	120.810813	24.741747	120°48'38.92"	24°44'30.28"
A23	231711.18	2737333.89	120.819189	24.743086	120°49'9.08"	24°44'35.1"
A26	232857.59	2738717.59	120.830506	24.755592	120°49'49.82"	24°45'20.13"
A27	231116.90	2740145.99	120.813276	24.768468	120°48'47.79"	24°46'6.48"
A28	231996.72	2741308.46	120.821961	24.778974	120°49'19.05"	24°46'44.3"
5-12	230451.67	2742576.32	120.806664	24.790402	120°48'23.99"	24°47'25.44"
5-11	225622.66	2737153.28	120.758999	24.741371	120°45'32.39"	24°44'28.93"
5-10	225260.72	2734817.01	120.755462	24.720272	120°45'19.66"	24°43'12.97"
5-9	223280.88	2733067.65	120.735926	24.704444	120°44'9.33"	24°42'15.99"
5-8	222685.42	2731509.97	120.730071	24.690370	120°43'48.25"	24°41'25.33"
6-17	220684.84	2729561.41	120.710342	24.672740	120°42'37.23"	24°40'21.86"
6-16	219041.03	2727242.50	120.694151	24.651771	120°41'38.94"	24°39'6.37"
6-15	218617.86	2725904.15	120.689999	24.639679	120°41'23.99"	24°38'22.84"

Table 1-1 : Coordinate of Site Boundary
 風場範圍座標

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2.0 船舶基本資料 VESSEL INFORMATION

2.1 Vessel 1 : 航北字第 1113103574 號

船名 Vessel Name	Brave Tern
船籍港 Home Port	Valletta
總噸數 Gross Tonnage	15328
船長 LOA	131.73 m
船寬 Width	39.00 m
IMO	9583782
MMSI	229044000

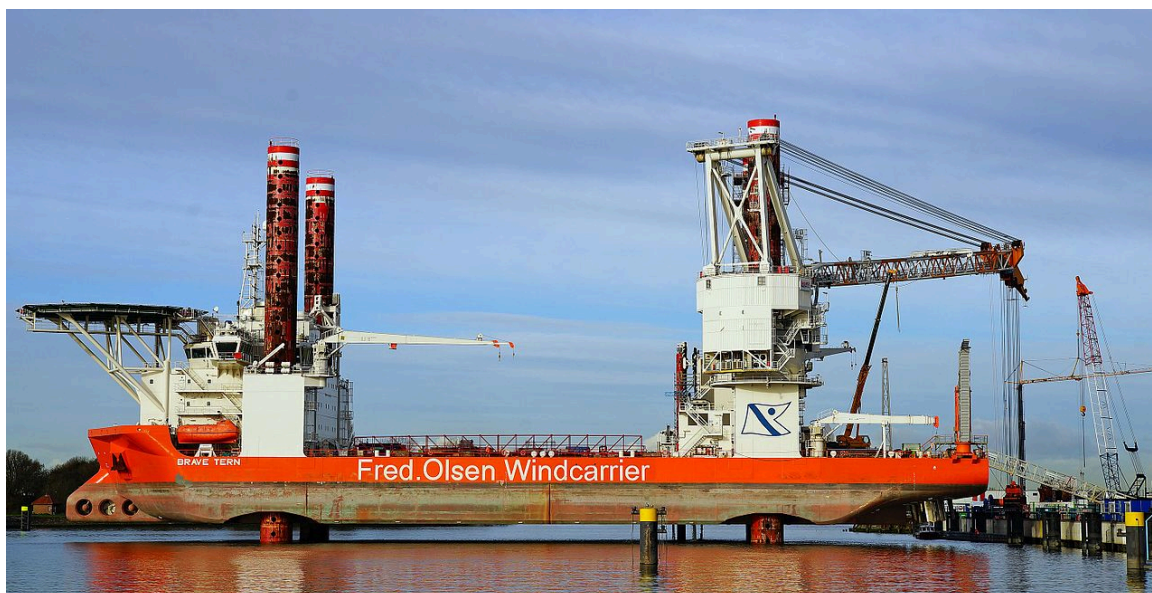


Figure 2-1 : Photo of Brave Tern

Brave Tern 船舶照片

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2.2 Vessel 2 : 航北字第 1113104065 號

船名 Vessel Name	MMA Prestige
船籍港 Home Port	Labuan
總噸數 Gross Tonnage	5138
船長 LOA	87.8 m
船寬 Width	22.0 m
IMO	9696175
MMSI	533130592



Figure 2-2 : Photo of MMA Prestige

MMA Prestige 船舶照片

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2.3 Vessel 3: MPB Permit to be Confirmed

船名 Vessel Name	Bold Tern
船籍港 Home Port	Valletta
總噸數 Gross Tonnage	TBC
船長 LOA	131.73
船寬 Width	TBC
IMO	9583794
MMSI	229080000



Figure 2-3 : Photo of <Bold Tern>

Bold Tern 船舶照片

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2.4 Vessel 4 :

船名 Vessel Name	Falcon 2
船籍港 Home Port	Taichung
總噸數 Gross Tonnage	241.89
船長 LOA	26.8 m
船寬 Width	10.3 m
IMO	9884069
MMSI	416006193



Figure 2-4 : Photo of Falcon 2

Falcon 2 船舶照片

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2.5 Vessel 5 :

船名 Vessel Name	Ventus Lugang
船籍港 Home Port	Kaohsiung
總噸數 Gross Tonnage	199
船長 LOA	26.0 m
船寬 Width	8.9 m
IMO	9902079
MMSI	416006164



Figure 2-5 : Photo of Ventus Lugang

Ventus Lugang 船舶照片

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2.6 Vessel 6 :

船名 Vessel Name	UMO Mistral
船籍港 Home Port	Kaohsiung
總噸數 Gross Tonnage	161
船長 LOA	23.65 m
船寬 Width	9.5 m
IMO	9681302
MMSI	416008897



Figure 2-6 : Photo of UMO Mistral

UMO Mistral 船舶照片

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3.0 緊急聯絡人與專案負責人 CONTACT INFORMATION

專案公司 Project company 海能公司 Formosa 2			
職位 Position	公司 Company	姓名 Name	電話 Mobile Phone
海事協調中心	海能風力發電股份有限公司	MCC	+886 928 193 922 +886 972 779 573
海事經理	海能風力發電股份有限公司	Arden Tsai 蔡亞霖	+886 911 374 469
運輸&安裝經理	海能風力發電股份有限公司	Oliver Stettner	+886 916 548 103
施工經理	海能風力發電股份有限公司	Paul Hammond	+886 971 007 716

Table 4-1 : Contact Information of Project Company

專案公司聯絡人資訊

工程公司 Contractor 西門子歌美颯離岸風力發電公司 SGRE			
職位 Position	公司 Company	姓名 Name	電話 Mobile Phone
PM	SGRE	Saraswat, Arun	+886 976-159-482
Site Manager	SGRE	Chris Sweeney	+886 981-185-505
Site Manager	SGRE	Xavier De Meulder	+886 903-317-161
Site Manager	SGRE	William Ho	+886 981-185-329
Marine Supervisor	SGRE	Tom Ward	+886 910-233-672

Table 4-1 : Contact Information of SGRE

海事工程公司聯絡人資訊

船舶聯絡人 Vessel Contact				
船名 Vessel	職位 Position	公司 Company	姓名 Name	電話 Mobile Phone
Brave Tern	Master	Fred Olsen	Master	+886 903-039-741
MMA Prestige	VP	MOL Taiwan	Jay Ko	+886 2 2537 8005
Falcon 2	CEO	Dong Fang Offshore	Polin Chen	+886 970-299-249
UMO Mistral	Manager	U-Ming Marine Offshore	Falco Fang	+886 976-219-642
Ventus Lugang	MD	Ventus Marine	Lai Kuan Seng	+886 967-300-051

Table 4-2 : Contact Information of vessel

船舶聯絡人資訊