

附件一

1. 作業範圍 Survey Area

本計畫將於勘測範圍內辦理地球物理勘測作業，作業範圍如圖 1 所示，勘測邊界座標詳如表 1。

The Project will conduct geophysical survey operations within the designated survey area, as shown in Figure 1. The boundary coordinates of the survey area are provided in Table 1.

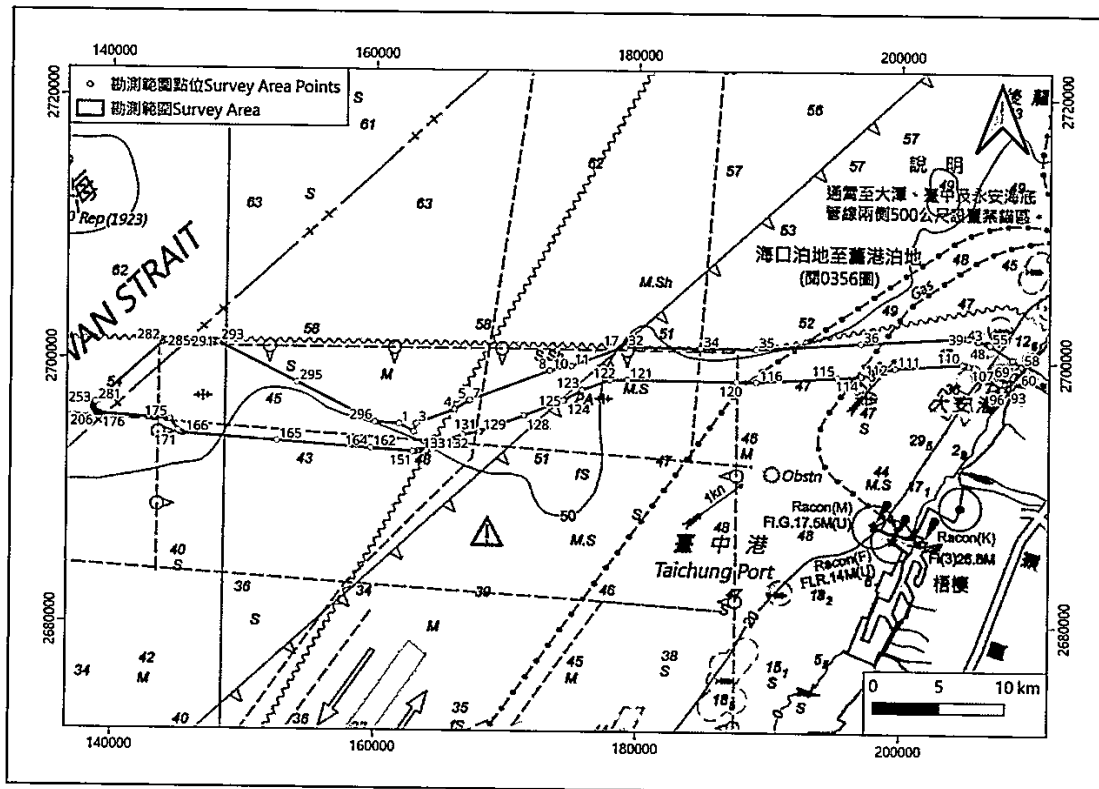


圖 1 本計畫勘測範圍邊界
Figure 1 Boundary of the Project Survey Area

表 1 本計畫勘測範圍及坐標
Table 1 Survey Area and Coordinates of the Project

範圍	點位編號	TWD97-TM2		WGS84	
		E (東距)	N (北距)	Lon (經度)	Lat (緯度)
大肚一號離岸風力發電計畫勘測範圍	1	161812.624	2695109.505	120.1308128	24.3594633
	2	162976.450	2694528.395	120.1423180	24.3542823
	3	163138.999	2695125.954	120.1438836	24.3596862
	4	166066.381	2696230.498	120.1726691	24.3698183
	5	167134.734	2696890.900	120.1831607	24.3758377
	6	167188.927	2696919.954	120.1836931	24.3761029
	7	167221.121	2696933.402	120.1840097	24.3762260
	8	173250.024	2699208.196	120.2433129	24.3970719
	9	173286.600	2699220.408	120.2436728	24.3971840
	10	173320.416	2699228.997	120.2440058	24.3972632
	11	174953.056	2699583.572	120.2600825	24.4005439
	12	178660.280	2700982.362	120.2965613	24.4133469
	13	178662.769	2700983.294	120.2965858	24.4133554
	14	178667.748	2700985.142	120.2966348	24.4133723
	15	178679.668	2700989.397	120.2967521	24.4134113
	16	178698.596	2700995.883	120.2969384	24.4134707
	17	178717.650	2701001.990	120.2971259	24.4135267
	18	178736.822	2701007.714	120.2973147	24.4135793
	19	178756.105	2701013.054	120.2975046	24.4136284
	20	178775.491	2701018.007	120.2976954	24.4136740
	21	178794.972	2701022.570	120.2978873	24.4137161
	22	178814.541	2701026.743	120.2980800	24.4137546
	23	178834.187	2701030.524	120.2982736	24.4137897
	24	178853.907	2701033.911	120.2984678	24.4138212
	25	178873.692	2701036.902	120.2986628	24.4138491
	26	178893.532	2701039.497	120.2988582	24.4138734
	27	178913.418	2701041.695	120.2990542	24.4138942
	28	178933.346	2701043.494	120.2992506	24.4139113
	29	178953.306	2701044.894	120.2994473	24.4139249
	30	178973.289	2701045.895	120.2996443	24.4139348
	31	178993.328	2701046.496	120.2998419	24.4139411
	32	179013.417	2701046.695	120.3000399	24.4139439
	33	179023.545	2701046.693	120.3001398	24.4139443
	34	184779.379	2700987.223	120.3568947	24.4136591
	35	188968.890	2700947.127	120.3982051	24.4134670
	36	196929.587	2701448.197	120.4766798	24.4182827
	37	204908.363	2701950.405	120.5553396	24.4230686
	38	204908.399	2701949.834	120.5553399	24.4230634
	39	204968.653	2701950.558	120.5559341	24.4230717
	40	205037.837	2701941.680	120.5566166	24.4229935
	41	205071.788	2701933.648	120.5569516	24.4229220
	42	205832.466	2701725.395	120.5644591	24.4210635
	43	205912.487	2701705.949	120.5652488	24.4208902
	44	206499.239	2701564.981	120.5710390	24.4196339
	45	206533.888	2701555.326	120.571381	24.4195477
	46	206598.726	2701529.612	120.5720211	24.4193174
	47	206629.635	2701513.432	120.5723264	24.4191721
	48	206641.027	2701506.952	120.5724389	24.4191139
	49	206655.281	2701498.529	120.5725797	24.4190383
	50	206672.336	2701488.066	120.5727482	24.4189443
	51	206689.178	2701477.265	120.5729146	24.4188472
	52	206705.800	2701466.127	120.5730789	24.4187471

範圍	點位 編號	TWD97-TM2		WGS84	
		E (東距)	N (北距)	Lon (經度)	Lat (緯度)
	53	206722.196	2701454.660	120.5732409	24.4186441
	54	206738.360	2701442.867	120.5734006	24.4185380
	55	206748.343	2701435.280	120.5734993	24.4184698
	56	208494.677	2700314.350	120.5907520	24.4083966
	57	208516.119	2700299.789	120.5909639	24.4082657
	58	209187.262	2699818.127	120.5975951	24.4039346
	59	209153.188	2699780.535	120.5972602	24.4035943
	60	208941.231	2699538.604	120.5951774	24.4014044
	61	208826.555	2699194.050	120.5940567	24.3982904
	62	208783.433	2699160.729	120.5936325	24.3979884
	63	208723.922	2699169.285	120.5930455	24.3980641
	64	208687.990	2699165.574	120.5926914	24.3980296
	65	208654.122	2699148.640	120.5923579	24.3978758
	66	208626.605	2699122.181	120.5920874	24.3976362
	67	208585.329	2699066.088	120.5916821	24.3971287
	68	208542.995	2699006.820	120.5912664	24.3965924
	69	208502.777	2698947.552	120.5908717	24.3960562
	70	208481.610	2698895.693	120.5906645	24.3955874
	71	208435.043	2698821.608	120.5902075	24.3949173
	72	208388.475	2698733.765	120.5897510	24.3941229
	73	208365.249	2698661.301	120.5895241	24.3934680
	74	208333.654	2698643.947	120.5892131	24.3933105
	75	208311.000	2698628.324	120.5889903	24.3931688
	76	208295.650	2698604.156	120.5888396	24.3929502
	77	208247.417	2698615.630	120.5883638	24.3930525
	78	208240.359	2698552.942	120.5882960	24.3924863
	79	208223.511	2698556.458	120.5881298	24.3925176
	80	208214.137	2698545.522	120.5880377	24.3924186
	81	208189.140	2698523.650	120.5877919	24.3922205
	82	208152.426	2698493.966	120.5874309	24.3919515
	83	208107.850	2698438.046	120.5869930	24.3914454
	84	207976.478	2698452.643	120.5856975	24.3915736
	85	207975.420	2698431.476	120.5856877	24.3913825
	86	208064.618	2698300.897	120.5865709	24.3902059
	87	208169.396	2698267.030	120.5876048	24.3899029
	88	208176.061	2698265.408	120.5876706	24.3898885
	89	208175.135	2698258.815	120.5876616	24.3898289
	90	208170.835	2698234.671	120.5876199	24.3896108
	91	208163.228	2698210.528	120.5875457	24.3893926
	92	208162.567	2698206.889	120.5875393	24.3893598
	93	208173.150	2698183.738	120.5876443	24.389151
	94	208168.189	2698150.664	120.5875963	24.3888523
	95	208156.283	2698120.567	120.5874798	24.3885802
	96	208135.116	2698077.572	120.5872724	24.3881914
	97	208091.789	2698009.440	120.5868473	24.3875751
	98	208044.152	2697942.083	120.5863796	24.3869657
	99	207964.205	2697950.966	120.5855912	24.3870437
	100	207920.170	2697957.858	120.5851569	24.3871048
	101	207852.940	2697976.439	120.5844936	24.3872707
	102	207788.949	2698004.196	120.5838619	24.3875196
	103	207729.445	2698040.589	120.5832743	24.3878466
	104	207701.747	2698061.802	120.5830006	24.3880373
	105	205783.592	2699640.126	120.5640419	24.4022346
	106	205586.094	2699725.225	120.5620920	24.4029973

範圍	點位 編號	TWD97-TM2		WGS84	
		E (東距)	N (北距)	Lon (經度)	Lat (緯度)
	107	205145.993	2699834.167	120.5577494	24.4039683
	108	204864.087	2699903.949	120.5549677	24.4045902
	109	204770.845	2699927.030	120.5540477	24.4047959
	110	204683.858	2699930.913	120.5531899	24.4048284
	111	199537.382	2699592.913	120.5024598	24.4016185
	112	197053.194	2698959.799	120.4779911	24.3958198
	113	196995.850	2698948.705	120.4774261	24.3957177
	114	196961.128	2698945.300	120.4770839	24.3956858
	115	195164.167	2698832.191	120.4593724	24.3946024
	116	189041.012	2698447.962	120.3990230	24.3909058
	117	189039.887	2698447.893	120.3990119	24.3909052
	118	189005.009	2698447.002	120.3986681	24.3908957
	119	187492.418	2698461.195	120.3837560	24.3909640
	120	187492.070	2698461.198	120.3837526	24.3909640
	121	179188.447	2698544.895	120.3018899	24.3913645
	122	177861.486	2698543.371	120.2888086	24.3912899
	123	175762.591	2697751.424	120.2681588	24.3840414
	124	174427.688	2696987.287	120.2550404	24.3770783
	125	174389.859	2696967.723	120.2546686	24.3768999
	126	174357.720	2696954.143	120.2543525	24.3767757
	127	171353.209	2695806.401	120.2248006	24.3662649
	128	171349.545	2695805.017	120.2247646	24.3662522
	129	168040.598	2694570.586	120.1922225	24.3549372
	130	167983.219	2694553.023	120.1916580	24.3547756
	131	167949.039	2694546.02	120.1913216	24.3547106
	132	166715.711	2694337.884	120.1791792	24.3527662
	133	163466.462	2693111.887	120.1472326	24.3415210
	134	163459.274	2693109.238	120.1471620	24.3414967
	135	163444.864	2693104.051	120.1470203	24.3414491
	136	163428.146	2693098.365	120.1468559	24.3413968
	137	163409.091	2693092.258	120.1466685	24.3413406
	138	163389.917	2693086.534	120.1464799	24.3412879
	139	163370.634	2693081.194	120.1462902	24.3412386
	140	163351.250	2693076.242	120.1460995	24.3411928
	141	163331.769	2693071.678	120.1459078	24.3411505
	142	163312.198	2693067.504	120.1457152	24.3411118
	143	163292.550	2693063.724	120.1455218	24.3410766
	144	163272.831	2693060.337	120.1453277	24.3410449
	145	163253.047	2693057.345	120.1451330	24.3410168
	146	163241.810	2693055.776	120.1450223	24.3410020
	147	163239.163	2693055.437	120.1449963	24.3409988
	148	163237.845	2693055.270	120.1449833	24.3409972
	149	163086.904	2693036.345	120.1434971	24.3408179
	150	163078.292	2693035.341	120.1434123	24.3408084
	151	163061.052	2693033.483	120.1432425	24.3407907
	152	163042.451	2693031.828	120.1430593	24.3407747
	153	163022.492	2693030.428	120.1428627	24.3407609
	154	163002.508	2693029.428	120.1426659	24.3407508
	155	162982.509	2693028.827	120.1424689	24.3407443
	156	162962.500	2693028.627	120.1422717	24.3407413
	157	162942.492	2693028.827	120.1420745	24.3407420
	158	162922.939	2693029.405	120.1418818	24.3407462
	159	162903.847	2693030.344	120.1416936	24.3407536
	160	162894.304	2693030.905	120.1415996	24.3407581

範圍	點位 編號	TWD97-TM2		WGS84	
		E (東距)	N (北距)	Lon (經度)	Lat (緯度)
	161	159673.781	2693251.042	120.1098513	24.3425627
	162	159673.284	2693251.076	120.1098464	24.3425629
	163	159672.315	2693251.143	120.1098369	24.3425635
	164	159671.767	2693251.191	120.1098315	24.3425639
	165	152538.670	2693753.803	120.0395093	24.3466727
	166	145405.573	2694256.424	119.9691838	24.3507488
	167	145405.621	2694257.099	119.9691843	24.3507549
	168	145347.876	2694263.883	119.9686147	24.3508123
	169	145280.401	2694281.586	119.9679485	24.3509676
	170	145216.046	2694308.507	119.9673124	24.3512063
	171	145156.064	2694344.123	119.9667187	24.3515238
	172	145101.622	2694387.740	119.9661790	24.3519139
	173	145053.781	2694438.509	119.9657039	24.3523690
	174	145032.637	2694466.265	119.9654935	24.3526182
	175	144422.403	2695328.128	119.9594165	24.3603577
	176	139047.579	2695705.554	119.9064197	24.3633921
	177	139047.640	2695706.420	119.9064203	24.3633999
	178	139031.451	2695706.949	119.9062607	24.3634035
	179	139028.952	2695707.384	119.9062360	24.3634073
	180	139026.417	2695707.492	119.9062110	24.3634081
	181	139019.692	2695708.733	119.9061447	24.3634188
	182	139012.870	2695709.212	119.9060774	24.3634227
	183	138987.888	2695714.530	119.9058308	24.3634689
	184	138962.724	2695718.909	119.9055825	24.3635066
	185	138960.310	2695719.687	119.9055586	24.3635135
	186	138957.815	2695720.148	119.9055340	24.3635175
	187	138951.328	2695722.312	119.9054699	24.3635365
	188	138944.639	2695723.736	119.9054039	24.3635489
	189	138920.640	2695732.479	119.9051667	24.3636261
	190	138896.330	2695740.317	119.9049265	24.3636952
	191	138894.048	2695741.424	119.9049039	24.3637050
	192	138891.641	2695742.227	119.9048801	24.3637121
	193	138885.518	2695745.274	119.9048196	24.3637391
	194	138879.093	2695747.615	119.9047561	24.3637598
	195	138856.544	2695759.613	119.9045329	24.3638665
	196	138833.562	2695770.758	119.9043056	24.3639655
	197	138831.456	2695772.172	119.9042847	24.3639781
	198	138829.184	2695773.302	119.9042622	24.3639881
	199	138823.545	2695777.171	119.9042063	24.3640227
	200	138817.508	2695780.383	119.9041466	24.3640512
	201	138796.848	2695795.403	119.9039418	24.3641854
	202	138775.641	2695809.638	119.9037317	24.3643124
	203	138773.752	2695811.331	119.9037130	24.3643275
	204	138771.660	2695812.766	119.9036923	24.3643403
	205	138766.614	2695817.382	119.9036422	24.3643816
	206	138761.083	2695821.404	119.9035873	24.3644175
	207	138742.715	2695839.152	119.903405	24.3645764
	208	138723.695	2695856.201	119.9032162	24.3647290
	209	138722.060	2695858.140	119.9031999	24.3647464
	210	138720.188	2695859.853	119.9031813	24.3647617
	211	138715.834	2695865.126	119.9031380	24.3648090
	212	138710.916	2695869.878	119.9030892	24.3648516
	213	138695.196	2695890.010	119.9029327	24.3650322
	214	138678.735	2695909.540	119.9027689	24.3652073

範圍	點位 編號	TWD97-TM2		WGS84	
		E (東距)	N (北距)	Lon (經度)	Lat (緯度)
	215	138677.386	2695911.688	119.9027555	24.3652266
	216	138675.770	2695913.644	119.9027394	24.3652441
	217	138672.192	2695919.472	119.9027037	24.3652965
	218	138667.983	2695924.863	119.9026618	24.3653449
	219	138655.219	2695946.986	119.9025343	24.3655437
	220	138641.635	2695968.617	119.9023987	24.3657380
	221	138640.598	2695970.932	119.9023883	24.3657588
	222	138639.271	2695973.094	119.9023751	24.3657782
	223	138636.539	2695979.363	119.9023477	24.3658346
	224	138633.121	2695985.287	119.9023135	24.3658879
	225	138623.560	2696008.972	119.9022175	24.3661010
	226	138613.119	2696032.282	119.9021127	24.3663107
	227	138612.414	2696034.719	119.9021056	24.3663326
	228	138611.401	2696037.045	119.9020954	24.3663536
	229	138609.568	2696043.634	119.9020769	24.3664129
	230	138607.008	2696049.975	119.9020511	24.3664700
	231	138600.836	2696074.760	119.9019884	24.3666933
	232	138593.740	2696099.297	119.9019165	24.3669143
	233	138593.382	2696101.808	119.9019128	24.3669369
	234	138592.702	2696104.252	119.9019059	24.3669589
	235	138591.804	2696111.032	119.9018965	24.3670201
	236	138590.151	2696117.668	119.9018797	24.3670799
	237	138587.489	2696143.071	119.9018515	24.3673090
	238	138583.877	2696168.356	119.9018139	24.3675370
	239	138583.872	2696170.893	119.9018137	24.3675599
	240	138583.538	2696173.408	119.9018102	24.3675826
	241	138583.592	2696180.247	119.9018102	24.3676443
	242	138582.880	2696187.048	119.9018027	24.3677057
	243	138583.779	2696212.575	119.9018095	24.3679362
	244	138583.721	2696238.116	119.9018070	24.3681667
	245	138584.069	2696240.629	119.9018102	24.3681895
	246	138584.089	2696243.166	119.9018102	24.3682124
	247	138585.094	2696249.931	119.9018196	24.3682735
	248	138585.335	2696256.765	119.9018214	24.3683352
	249	138589.778	2696281.918	119.9018633	24.3685626
	250	138593.276	2696307.219	119.9018958	24.3687913
	251	138593.970	2696309.659	119.9019024	24.3688133
	252	138594.343	2696312.169	119.9019059	24.3688360
	253	138596.279	2696318.728	119.9019245	24.3688954
	254	138597.469	2696325.462	119.9019357	24.3689562
	255	138605.369	2696349.752	119.9020116	24.3691761
	256	138612.354	2696374.32	119.9020785	24.3693984
	257	138613.381	2696376.640	119.9020885	24.3694194
	258	138614.100	2696379.073	119.9020954	24.3694414
	259	138616.930	2696385.298	119.9021228	24.3694978
	260	138619.046	2696391.802	119.9021431	24.3695567
	261	138630.249	2696414.755	119.9022518	24.3697647
	262	138640.586	2696438.112	119.9023518	24.3699763
	263	138641.926	2696440.267	119.9023648	24.3699958
	264	138642.976	2696442.576	119.9023750	24.3700167
	265	138646.645	2696448.347	119.9024107	24.3700691
	266	138649.645	2696454.493	119.9024398	24.3701248
	267	138663.934	2696475.664	119.9025790	24.3703169
	268	138677.421	2696497.355	119.9027102	24.3705137

範圍	點位 編號	TWD97-TM2		WGS84	
		E (東距)	N (北距)	Lon (經度)	Lat (緯度)
	269	138679.047	2696499.302	119.9027261	24.3705314
	270	138680.409	2696501.442	119.9027394	24.3705508
	271	138684.846	2696506.646	119.9027827	24.3705981
	272	138688.672	2696512.315	119.9028199	24.3706496
	273	138705.768	2696531.291	119.9029869	24.3708221
	274	138722.143	2696550.894	119.9031468	24.3710002
	275	138724.632	2696553.309	119.9031711	24.3710222
	276	138725.670	2696554.526	119.9031813	24.3710333
	277	138728.180	2696556.751	119.9032058	24.3710535
	278	138732.350	2696560.796	119.9032466	24.3710903
	279	138735.366	2696564.143	119.9032761	24.3711208
	280	138738.576	2696566.835	119.9033075	24.3711453
	281	138747.188	2696575.189	119.9033917	24.3712213
	282	143830.837	2701173.234	119.9531521	24.4130849
	283	143876.450	2701209.874	119.9535991	24.4134187
	284	143935.981	2701246.241	119.9541833	24.4137511
	285	143999.993	2701273.968	119.9548123	24.4140058
	286	144067.241	2701292.517	119.9554739	24.4141778
	287	144136.415	2701301.526	119.9561552	24.4142638
	288	144171.297	2701302.391	119.9564991	24.4142740
	289	147810.462	2701265.629	119.9923805	24.4141852
	290	147862.407	2701262.396	119.9928928	24.4141594
	291	147930.987	2701249.629	119.9935699	24.4140487
	292	147997.124	2701227.442	119.9942235	24.4138527
	293	148028.318	2701211.858	119.9945322	24.4137141
	294	148028.862	2701212.948	119.9945375	24.4137239
	295	154054.537	2698202.892	120.0541481	24.3869325
	296	159998.830	2695233.49	120.1129296	24.3604791
	297	161812.624	2695109.505	120.1308128	24.3594633

2. 預計作業期程 Expected Operation Period

本計畫船舶預計作業期程為 115 年 6 月 1 日至 116 年 12 月 31 日，惟此期程將依照現場作業或海象條件而有所變動。

The estimated vessel operation period for the Project is from 1 June 2026 to 31 December 2027. The actual schedule may be subject to change depending on on-site operational conditions and sea/weather conditions.

3. 本計畫施工船舶規格 Vessel Specifications

表 2 寶拉麗絲號船舶資訊
Table 2 *M.V. Polaris* Vessel Specification

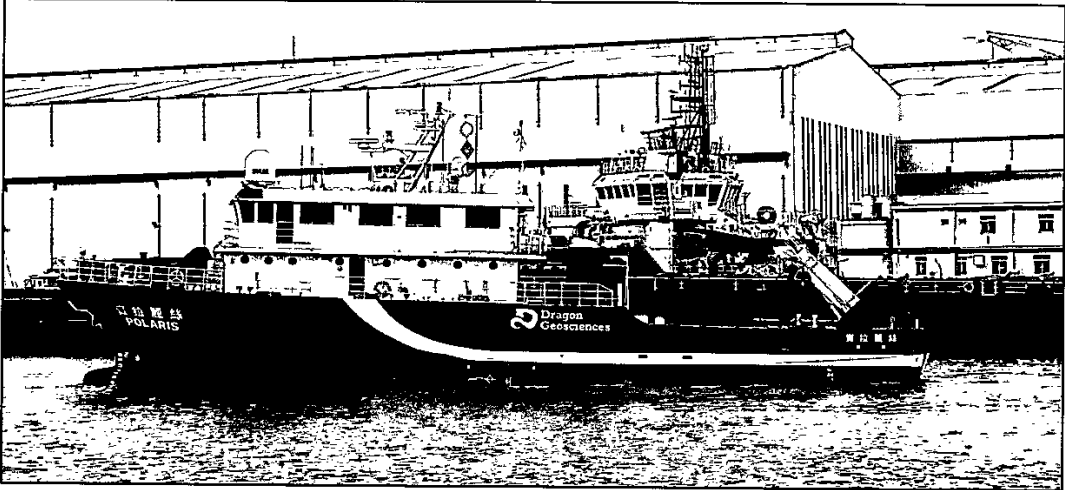
POLARIS 寶拉麗絲		
國籍Flag	中華民國 Taiwan	
國際海事組織編號 (IMO No.)	9571727	
水上行動業務辨識碼 (MMSI No.)	416435000	
船舶號數 (Official No.)	014915	
電臺呼號 (Call Sign)	BHFG	
船長(Length)	32.58 m	
船寬(Beam)	6.80 m	
總噸位(Gross Tonnage)	275	
調查設備 Survey Equipment	全球衛星定位系統	Septentrio AsteRx -M3 Trimble BD982
	姿態補償系統	Applanix POSMV 320
	水下定位系統	Kongsberg HiPAP 350P
	多音束水深系統	Kongsberg EM2040
	側掃聲納系統	EdgeTech 4205
	地層剖面儀	Innomar Medium-100 Sub-Bottom Profiler
	磁力儀	Geometrics G-882
	ROV	Sub-Atlantic Mohican
		

表 3 寶拉麗絲 2 號船舶資訊
Table 3 *M.V. Polaris II* Vessel Specification

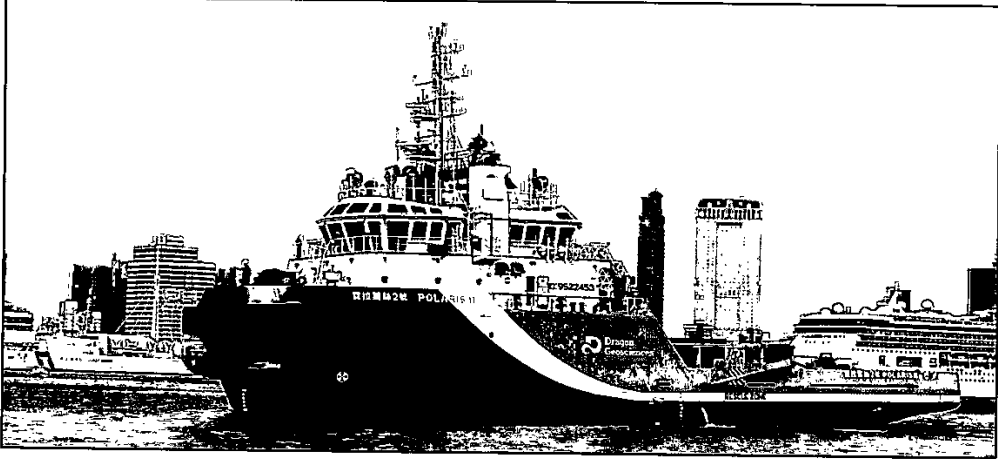
POLARIS II 寶拉麗絲 2 號		
國籍Flag	中華民國 Taiwan	
國際海事組織編號 (IMO No.)	9522453	
水上行動業務辨識碼 (MMSI No.)	416006689	
船舶號數 (Official No.)	016418	
電臺呼號 (Call Sign)	BR4432	
船長(Length)	49 m	
船寬(Beam)	13.2 m	
總噸位(Gross Tonnage)	1031	
調查設備 Survey Equipment	全球衛星定位系統	Septentrio AsteRx -M3 Trimble BD982
	姿態補償系統	Kongsberg Seapath 380
	水下定位系統	Sonardyne Ranger 2
	多音束水深系統	Kongsberg EM2040
	側掃聲納系統	EdgeTech 4205
	地層剖面儀	Innomar Medium-100 Sub-Bottom Profiler
	磁力儀	Geometrics G-882
	ROV	Sub-Atlantic Mohican
		

表 4 龍王子 2 號船舶資訊

Table 4 M.V. Dragon Prince No.2 Vessel Specification

Dragon Prince No. 2 龍王子 2 號		
國籍Flag	中華民國 Taiwan	
水上行動業務辨識碼 (MMSI No.)	416008017	
船舶號數 (Official No.)	928053	
電臺呼號 (Call Sign)	BR4533	
船長(Length)	8.7 m	
船寬(Beam)	2.55 m	
總噸位(Gross Tonnage)	7.14	
調查設備 Survey Equipment	全球衛星定位系統	Septentrio AsteRx-M3 Trimble BD982
	姿態補償系統	Applanix POSMV320
	多音束測深系統	EdgeTech 6205S2
	側掃聲納系統	EdgeTech 6205S2
	地層剖面儀	Innomar Compact Sub-Bottom Profiler
	磁力儀	Geometrics G-882
		

4. 緊急聯絡資訊 Emergency Contact Information

表 5 緊急聯絡窗口
Table 5 Emergency Contact Window

姓名	所屬公司	職稱	聯絡電話
花旻佑 Peter Hua	沃旭能源 Ørsted	海洋事務資深經理 Senior Marine Affairs Officer	+886-905-103-383
周佳毅 Chia-I Chou	鉉大企業有限公司 Dragon Drilling Co. Ltd.	協理 Division Director	07-227-2887#106 +886-952-262-201
陳昭瑜 Jhao-Yu Chen	鉉大企業有限公司 Dragon Drilling Co. Ltd.	專案經理 Project Manager	07-227-2887#270 +886-922760357

5. 出發港口 Departure Port

寶拉麗絲號及寶拉麗絲 2 號預計自台中港或高雄港出發，航行至前述海域範圍內進行作業。龍王子 2 號預計自台中港出發，航行至前述海域範圍內進行作業。實際航行路線將視海象情況調整。

MV Polaris and *MV Polaris II* are expected to depart from Taichung Port or Kaohsiung Port to conduct operations within the aforementioned offshore survey area. *MV Dragon Prince No. 2* is expected to depart from Taichung Port to conduct operations within the same area. The actual navigation routes may be adjusted depending on sea conditions.