

檔 號：

保存年限：

## 台灣中油股份有限公司天然氣事業部 函

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速別：速件

密等及解密條件或保密期限：

附件：通霄至大潭第二條海底輸氣管線興建計畫CPT作業範圍、船舶及作業相關資訊  
(新增船舶)(attch1 11310438340-0-0.pdf)

主旨：有關本事業部「通霄至大潭第二條海底輸氣管線興建計畫」海床沉積物取樣及海床圓錐貫入試驗，新增船舶資訊，請貴中心惠予發布航船布告，以維護航安，請查照。

說明：

- 一、復貴中心113年6月6日中技字第1133252922A號函。
- 二、旨揭工作承攬商銓日儀企業有限公司，將進行海床沉積物取樣及海床圓錐貫入試驗，作業區域、作業時程及作業船舶資訊，詳如附件，新增作業船舶「寶拉麗絲 2 號」，惠請更新發布。

正本：交通部航港局中部航務中心

副本：

交通部航港局中部航務中心



1133253072 113/06/14

# 「通霄至大潭第二條海底輸氣管線興建計畫」之海床沉積物 取樣及海床圓錐貫入試驗作業範圍

## 1 作業範圍 Scope of Work

本「通霄至大潭第二條海底輸氣管線興建計畫」興建管線（以下簡稱本計畫）工作範圍如圖 1 內紅框，紅框邊界點位坐標如表 1；本次工作將進行之海床沉積物取樣及海床圓錐貫入試驗（以下簡稱本工作）點位如圖 1 內藍色圓點，施工點位坐標如表 2。

The Survey region is shown as the red rectangle in the Figure 1, and the locations of the CPT and vibro-core works are shown as the blue curcles in the Figure 1. The coordinates of the survey region and the CPT and vibro-core are listed in the Table 1 and Table 2.

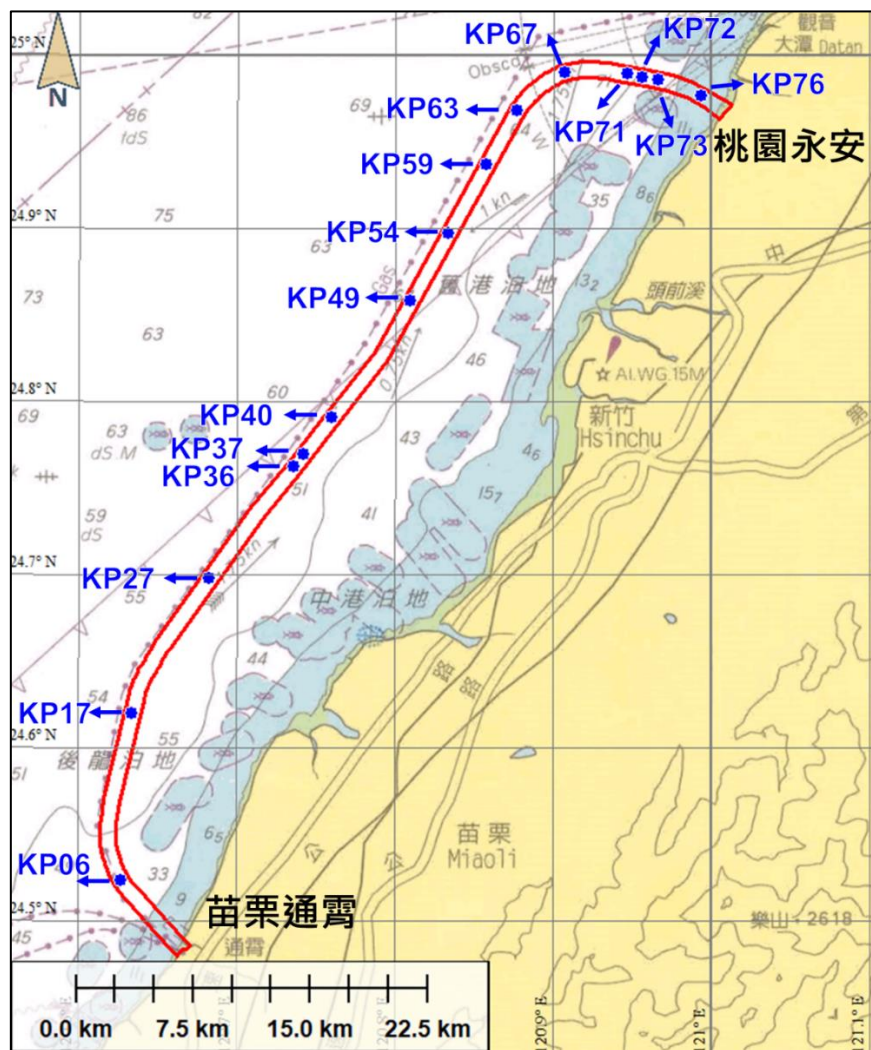


圖 1 本計畫範圍及本工作施工點位分布圖

**Figure 1 Boundary of Survey region and locations of the CPT and vibro-core works.**

**表 1 本計畫範圍邊界坐標**

**Table 1 Coordinates of Survey region**

經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.	經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.
121°00'30.30"E	24°58'00.00"N	1	120°52'59.70"E	24°58'29.60"N	55
120°59'51.30"E	24°58'27.50"N	2	120°52'56.10"E	24°58'25.90"N	56
120°59'09.80"E	24°58'48.50"N	3	120°52'52.60"E	24°58'22.00"N	57
120°58'26.40"E	24°59'02.60"N	4	120°52'49.10"E	24°58'18.20"N	58
120°57'33.70"E	24°59'12.60"N	5	120°52'45.70"E	24°58'14.20"N	59
120°56'28.20"E	24°59'23.50"N	6	120°52'42.40"E	24°58'10.20"N	60
120°56'18.20"E	24°59'25.30"N	7	120°52'39.10"E	24°58'06.20"N	61
120°56'05.30"E	24°59'27.30"N	8	120°47'27.60"E	24°49'33.00"N	62
120°55'50.30"E	24°59'28.80"N	9	120°45'27.50"E	24°47'12.90"N	63
120°55'38.10"E	24°59'29.90"N	10	120°44'04.70"E	24°45'34.80"N	64
120°55'28.30"E	24°59'30.10"N	11	120°42'47.20"E	24°44'09.30"N	65
120°55'25.10"E	24°59'30.20"N	12	120°39'10.20"E	24°39'31.70"N	66
120°55'21.80"E	24°59'30.30"N	13	120°39'04.30"E	24°39'23.60"N	67
120°55'18.60"E	24°59'30.40"N	14	120°39'01.10"E	24°39'18.10"N	68
120°55'15.30"E	24°59'30.40"N	15	120°38'58.40"E	24°39'13.80"N	69
120°55'12.00"E	24°59'30.30"N	16	120°38'56.30"E	24°39'10.20"N	70
120°55'08.80"E	24°59'30.20"N	17	120°38'54.00"E	24°39'06.30"N	71
120°55'05.50"E	24°59'30.00"N	18	120°38'51.40"E	24°39'02.10"N	72
120°55'02.30"E	24°59'29.80"N	19	120°38'49.20"E	24°38'58.00"N	73
120°54'59.00"E	24°59'29.50"N	20	120°38'46.60"E	24°38'53.80"N	74
120°54'55.80"E	24°59'29.20"N	21	120°38'43.70"E	24°38'49.80"N	75
120°54'52.50"E	24°59'28.80"N	22	120°38'40.80"E	24°38'45.80"N	76
120°54'49.30"E	24°59'28.30"N	23	120°38'38.10"E	24°38'41.70"N	77
120°54'46.10"E	24°59'27.80"N	24	120°38'35.40"E	24°38'37.60"N	78
120°54'42.90"E	24°59'27.30"N	25	120°38'32.80"E	24°38'33.40"N	79
120°54'39.70"E	24°59'26.60"N	26	120°38'30.20"E	24°38'29.10"N	80
120°54'36.50"E	24°59'26.00"N	27	120°38'27.80"E	24°38'24.90"N	81
120°54'33.30"E	24°59'25.20"N	28	120°38'25.40"E	24°38'20.60"N	82
120°54'30.10"E	24°59'24.50"N	29	120°38'23.00"E	24°38'16.20"N	83
120°54'27.00"E	24°59'23.60"N	30	120°38'21.60"E	24°38'12.70"N	84
120°54'23.80"E	24°59'22.70"N	31	120°38'20.60"E	24°38'10.30"N	85
120°54'20.70"E	24°59'21.80"N	32	120°38'18.40"E	24°38'05.00"N	86
120°54'17.60"E	24°59'20.80"N	33	120°38'16.40"E	24°37'59.50"N	87
120°54'13.90"E	24°59'19.30"N	34	120°38'14.80"E	24°37'54.20"N	88
120°54'10.20"E	24°59'17.70"N	35	120°38'14.00"E	24°37'51.40"N	89
120°54'06.60"E	24°59'16.10"N	36	120°38'13.20"E	24°37'48.60"N	90
120°54'02.90"E	24°59'14.50"N	37	120°38'12.00"E	24°37'43.00"N	91
120°53'59.30"E	24°59'12.70"N	38	120°38'10.80"E	24°37'37.30"N	92
120°53'55.70"E	24°59'10.90"N	39	120°38'09.70"E	24°37'31.70"N	93
120°53'52.20"E	24°59'09.10"N	40	120°38'08.50"E	24°37'26.10"N	94
120°53'48.70"E	24°59'07.20"N	41	120°38'07.00"E	24°37'18.80"N	95
120°53'45.20"E	24°59'05.20"N	42	120°37'17.00"E	24°34'10.10"N	96
120°53'41.70"E	24°59'03.20"N	43	120°37'09.50"E	24°33'22.50"N	97
120°53'38.30"E	24°59'01.10"N	44	120°37'09.10"E	24°33'20.20"N	98
120°53'34.90"E	24°58'59.00"N	45	120°37'08.80"E	24°33'17.80"N	99
120°53'31.60"E	24°58'56.80"N	46	120°37'08.50"E	24°33'15.50"N	100
120°53'28.30"E	24°58'54.50"N	47	120°37'08.30"E	24°33'13.20"N	101
120°53'25.00"E	24°58'52.20"N	48	120°37'08.10"E	24°33'10.80"N	102
120°53'21.80"E	24°58'49.80"N	49	120°37'07.90"E	24°33'08.50"N	103
120°53'18.60"E	24°58'47.40"N	50	120°37'07.80"E	24°33'06.10"N	104
120°53'14.70"E	24°58'44.00"N	51	120°37'07.70"E	24°33'03.80"N	105
120°53'10.90"E	24°58'40.50"N	52	120°37'07.70"E	24°33'01.40"N	106
120°53'07.10"E	24°58'36.90"N	53	120°37'07.70"E	24°32'59.10"N	107

經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.	經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.
120°53'03.40"E	24°58'33.30"N	54	120°37'07.70"E	24°32'56.70"N	108

經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.	經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.
120°37'07.80"E	24°32'54.40"N	109	120°37'56.80"E	24°31'01.90"N	164
120°37'07.90"E	24°32'52.00"N	110	120°37'55.00"E	24°31'03.80"N	165
120°37'08.10"E	24°32'49.70"N	111	120°37'53.20"E	24°31'05.70"N	166
120°37'08.30"E	24°32'47.30"N	112	120°37'51.40"E	24°31'07.60"N	167
120°37'08.50"E	24°32'45.00"N	113	120°37'49.70"E	24°31'09.50"N	168
120°37'08.80"E	24°32'42.70"N	114	120°37'47.90"E	24°31'11.50"N	169
120°37'09.01"E	24°32'40.30"N	115	120°37'46.30"E	24°31'13.50"N	170
120°37'09.50"E	24°32'38.00"N	116	120°37'44.60"E	24°31'15.50"N	171
120°37'09.90"E	24°32'35.70"N	117	120°37'43.00"E	24°31'17.60"N	172
120°37'10.30"E	24°32'33.40"N	118	120°37'41.40"E	24°31'19.60"N	173
120°37'10.80"E	24°32'31.10"N	119	120°37'39.90"E	24°31'21.80"N	174
120°37'11.30"E	24°32'28.80"N	120	120°37'38.40"E	24°31'23.90"N	175
120°37'11.90"E	24°32'26.50"N	121	120°37'36.90"E	24°31'26.00"N	176
120°37'12.50"E	24°32'24.20"N	122	120°37'35.50"E	24°31'28.20"N	177
120°37'13.10"E	24°32'22.00"N	123	120°37'34.10"E	24°31'30.40"N	178
120°37'13.80"E	24°32'19.70"N	124	120°37'32.70"E	24°31'32.70"N	179
120°37'14.50"E	24°32'17.50"N	125	120°37'31.40"E	24°31'34.90"N	180
120°37'15.20"E	24°32'15.20"N	126	120°37'30.10"E	24°31'37.20"N	181
120°37'16.00"E	24°32'13.00"N	127	120°37'28.80"E	24°31'39.50"N	182
120°37'16.80"E	24°32'10.80"N	128	120°37'27.60"E	24°31'41.80"N	183
120°37'17.70"E	24°32'08.60"N	129	120°37'26.50"E	24°31'44.10"N	184
120°37'18.50"E	24°32'06.10"N	130	120°37'25.30"E	24°31'46.50"N	185
120°37'19.30"E	24°32'03.70"N	131	120°37'24.20"E	24°31'48.90"N	186
120°37'20.10"E	24°32'01.20"N	132	120°37'23.20"E	24°31'51.30"N	187
120°37'21.00"E	24°31'58.70"N	133	120°37'22.20"E	24°31'53.70"N	188
120°37'21.90"E	24°31'56.30"N	134	120°37'21.20"E	24°31'56.10"N	189
120°37'22.90"E	24°31'53.90"N	135	120°37'20.30"E	24°31'58.50"N	190
120°37'23.90"E	24°31'51.50"N	136	120°37'19.40"E	24°32'01.00"N	191
120°37'24.90"E	24°31'49.10"N	137	120°37'18.60"E	24°32'03.50"N	192
120°37'26.00"E	24°31'46.70"N	138	120°37'17.80"E	24°32'05.90"N	193
120°37'27.10"E	24°31'44.40"N	139	120°37'17.00"E	24°32'08.40"N	194
120°37'28.30"E	24°31'42.10"N	140	120°37'16.20"E	24°32'10.60"N	195
120°37'29.50"E	24°31'39.80"N	141	120°37'15.30"E	24°32'12.80"N	196
120°37'30.70"E	24°31'37.50"N	142	120°37'14.60"E	24°32'15.10"N	197
120°37'32.00"E	24°31'35.20"N	143	120°37'13.80"E	24°32'17.30"N	198
120°37'33.30"E	24°31'33.00"N	144	120°37'13.10"E	24°32'19.50"N	199
120°37'34.70"E	24°31'30.70"N	145	120°37'12.40"E	24°32'21.80"N	200
120°37'36.10"E	24°31'28.60"N	146	120°37'11.80"E	24°32'24.10"N	201
120°37'37.50"E	24°31'26.40"N	147	120°37'11.20"E	24°32'26.40"N	202
120°37'39.00"E	24°31'24.20"N	148	120°37'10.60"E	24°32'28.70"N	203
120°37'40.50"E	24°31'22.10"N	149	120°37'10.10"E	24°32'31.00"N	204
120°37'42.00"E	24°31'20.00"N	150	120°37'09.60"E	24°32'33.30"N	205
120°37'43.60"E	24°31'17.90"N	151	120°37'09.20"E	24°32'35.60"N	206
120°37'45.20"E	24°31'15.90"N	152	120°37'08.80"E	24°32'37.90"N	207
120°37'46.80"E	24°31'13.90"N	153	120°37'08.40"E	24°32'40.30"N	208
120°37'48.50"E	24°31'11.90"N	154	120°37'08.10"E	24°32'42.60"N	209
120°37'50.20"E	24°31'09.90"N	155	120°37'07.80"E	24°32'44.90"N	210
120°37'51.90"E	24°31'08.00"N	156	120°37'07.60"E	24°32'47.30"N	211
120°37'53.70"E	24°31'06.10"N	157	120°37'07.40"E	24°32'49.60"N	212
120°37'55.50"E	24°31'04.20"N	158	120°37'07.20"E	24°32'52.00"N	213
120°37'57.40"E	24°31'02.40"N	159	120°37'07.10"E	24°32'54.30"N	214
120°39'02.50"E	24°29'56.70"N	160	120°37'07.00"E	24°32'56.70"N	215
120°39'57.80"E	24°29'00.40"N	161	120°37'07.00"E	24°32'59.10"N	216

120°39'57.30"E	24°29'00.00"N	162	120°37'07.00"E	24°33'01.40"N	217
120°39'02.00"E	24°29'56.30"N	163	120°37'07.00"E	24°33'03.80"N	218

經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.	經度 Lon(WGS84)	緯度 Lat(WGS84)	點位 No.
120°37'07.10"E	24°33'06.20"N	219	120°53'21.30"E	24°58'50.30"N	274
120°37'07.20"E	24°33'08.50"N	220	120°53'24.60"E	24°58'52.70"N	275
120°37'07.40"E	24°33'10.90"N	221	120°53'27.90"E	24°58'55.00"N	276
120°37'07.60"E	24°33'13.20"N	222	120°53'31.20"E	24°58'57.30"N	277
120°37'07.80"E	24°33'15.60"N	223	120°53'34.50"E	24°58'59.50"N	278
120°37'08.10"E	24°33'17.90"N	224	120°53'37.90"E	24°59'01.60"N	279
120°37'08.40"E	24°33'20.20"N	225	120°53'41.30"E	24°59'03.70"N	280
120°37'08.80"E	24°33'22.60"N	226	120°53'44.80"E	24°59'05.80"N	281
120°37'16.30"E	24°34'10.20"N	227	120°53'48.30"E	24°59'07.70"N	282
120°38'06.30"E	24°37'18.90"N	228	120°53'51.80"E	24°59'09.60"N	283
120°38'07.80"E	24°37'26.20"N	229	120°53'55.40"E	24°59'11.50"N	284
120°38'09.00"E	24°37'31.80"N	230	120°53'59.00"E	24°59'13.30"N	285
120°38'10.10"E	24°37'37.50"N	231	120°54'02.60"E	24°59'15.00"N	286
120°38'11.30"E	24°37'43.10"N	232	120°54'06.20"E	24°59'16.70"N	287
120°38'12.50"E	24°37'48.80"N	233	120°54'09.90"E	24°59'18.30"N	288
120°38'13.30"E	24°37'51.60"N	234	120°54'13.60"E	24°59'19.90"N	289
120°38'14.10"E	24°37'54.40"N	235	120°54'17.30"E	24°59'21.40"N	290
120°38'15.70"E	24°37'59.70"N	236	120°54'20.50"E	24°59'22.40"N	291
120°38'17.70"E	24°38'05.20"N	237	120°54'23.60"E	24°59'23.30"N	292
120°38'19.90"E	24°38'10.50"N	238	120°54'26.80"E	24°59'24.20"N	293
120°38'21.00"E	24°38'13.00"N	239	120°54'29.90"E	24°59'25.10"N	294
120°38'22.40"E	24°38'16.50"N	240	120°54'33.10"E	24°59'25.90"N	295
120°38'24.70"E	24°38'20.90"N	241	120°54'36.30"E	24°59'26.60"N	296
120°38'27.10"E	24°38'25.20"N	242	120°54'39.50"E	24°59'27.30"N	297
120°38'29.60"E	24°38'29.50"N	243	120°54'42.70"E	24°59'27.90"N	298
120°38'32.20"E	24°38'33.70"N	244	120°54'45.90"E	24°59'28.50"N	299
120°38'34.80"E	24°38'37.90"N	245	120°54'49.20"E	24°59'29.00"N	300
120°38'37.50"E	24°38'42.00"N	246	120°54'52.40"E	24°59'29.40"N	301
120°38'40.20"E	24°38'46.10"N	247	120°54'55.70"E	24°59'29.80"N	302
120°38'43.10"E	24°38'50.20"N	248	120°54'58.90"E	24°59'30.20"N	303
120°38'46.00"E	24°38'54.20"N	249	120°55'02.20"E	24°59'30.50"N	304
120°38'48.60"E	24°38'58.30"N	250	120°55'05.50"E	24°59'30.70"N	305
120°38'50.80"E	24°39'02.40"N	251	120°55'08.70"E	24°59'30.90"N	306
120°38'53.40"E	24°39'06.60"N	252	120°55'12.00"E	24°59'31.00"N	307
120°38'55.70"E	24°39'10.50"N	253	120°55'15.30"E	24°59'31.00"N	308
120°38'57.80"E	24°39'14.20"N	254	120°55'18.60"E	24°59'31.00"N	309
120°39'00.50"E	24°39'18.40"N	255	120°55'21.80"E	24°59'31.00"N	310
120°39'03.70"E	24°39'23.90"N	256	120°55'25.10"E	24°59'30.90"N	311
120°39'09.60"E	24°39'32.00"N	257	120°55'28.40"E	24°59'30.70"N	312
120°42'46.60"E	24°44'09.70"N	258	120°55'38.10"E	24°59'30.50"N	313
120°44'04.10"E	24°45'35.20"N	259	120°55'50.40"E	24°59'29.40"N	314
120°45'26.90"E	24°47'13.30"N	260	120°56'05.40"E	24°59'28.00"N	315
120°47'27.00"E	24°49'33.30"N	261	120°56'18.40"E	24°59'25.90"N	316
120°52'38.50"E	24°58'06.60"N	262	120°56'28.30"E	24°59'24.10"N	317
120°52'41.80"E	24°58'10.60"N	263	120°57'33.80"E	24°59'13.30"N	318
120°52'45.20"E	24°58'14.60"N	264	120°58'26.60"E	24°59'03.20"N	319
120°52'48.60"E	24°58'18.60"N	265	120°59'10.10"E	24°58'49.10"N	320
120°52'52.00"E	24°58'22.50"N	266	120°59'51.70"E	24°58'28.00"N	321
120°52'55.60"E	24°58'26.30"N	267	120°59'51.70"E	24°58'28.00"N	322
120°52'59.20"E	24°58'30.00"N	268	121°00'35.90"E	24°58'05.00"N	323
120°53'02.80"E	24°58'33.70"N	269	121°00'33.40"E	24°58'02.70"N	324
120°53'06.60"E	24°58'37.40"N	270	121°00'30.80"E	24°58'00.50"N	325
120°53'10.40"E	24°58'41.00"N	271	121°00'30.30"E	24°58'00.00"N	326

120°53'14.20"E	24°58'44.50"N	272			
120°53'18.10"E	24°58'47.90"N	273			

表 2 本工作施工點位點位坐標

Table 2 Coordinates of the CPT and vibro-core work locations

施工點位編號 No.	經度 Lon	緯度 Lat
KP06	120.627553° E	24.523173° N
KP17	120.634507° E	24.619368° N
KP27	120.682622° E	24.697086° N
KP36	120.736322° E	24.761811° N
KP37	120.742356° E	24.768964° N
KP40	120.760491° E	24.790400° N
KP49	120.810124° E	24.857555° N
KP54	120.834092° E	24.897049° N
KP59	120.858075° E	24.936540° N
KP63	120.877273° E	24.968129° N
KP67	120.907813° E	24.990084° N
KP71	120.947004° E	24.989000° N
KP72	120.956749° E	24.987381° N
KP73	120.966459° E	24.985595° N
KP76	120.994117° E	24.976183° N



## 2 預計作業期程 Working Time Period

本計畫船舶預計作業期程為 113 年 06 月 20 日至 113 年 09 月 20 日，惟此期程將依照現場施工或海象條件而有所變動。

The estimated vessel operation duration of this work is from 20<sup>th</sup> Jun. 2024 to 20<sup>th</sup> Sep. 2024. The schedule is subject to change based on on-site situation and weather condition.

## 3 本計畫施工船舶規格 Vessel Information

本計畫將使用奧黛麗絲號與寶拉麗絲 2 號進行作業，規格及照片如下。MV Australis and POLARIS II will be performed the survey, and its specifications and pictures are shown below.

表 3 船舶規格  
Table 3 Vessel specifications

船舶名稱 Vessel name	奧黛麗絲 MV Australis	總長 Total length	58.30 m
國際海事組織編號 IMO	9459307	呼號 Call Sign	BICJ
船舶國籍 Flag	台灣 R.O.C. Taiwan	主要設備 Main Equipment	16 Cyls(s) DIESEL 2set(s)
總噸位 GT	1,314 Tons	淨噸位 NT	394 Tons
船籍港 Registry port	高雄港 Kaohsiung Port	-	-

船舶名稱 Vessel name	寶拉麗絲 2 號 POLARIS II	總長 Total length	49.0 m
國際海事組織編號 IMO	9522453	呼號 Call Sign	BR4432
船舶國籍 Flag	台灣 R.O.C. Taiwan	主要設備 Main Equipment	8 Cyls(s) DIESEL 2set(s)
總噸位 GT	1,031 Tons	淨噸位 NT	309 Tons
船籍港 Registry port	高雄港 Kaohsiung Port	-	-



## DP2 Geotechnical Drilling Vessel M/V Australis

### INTRODUCTION

Australis is a Taiwanese flagged fit-for-purpose geotechnical drilling vessel. Originally built in 2008, Australis was refurbished in Taiwan and delivered in 2018, becoming classed by both BV and CR, equipped with DP2 technology allowing for precise positioning in rough seas.

Featuring an on-board laboratory and a full suite of geotechnical tools, Australis is capable of conducting thorough geotechnical site investigations in water depths up to 200 meters, including drilling, seabed sampling, in situ testing and borehole logging

### General

Vessel name	Australis
Builder / year	2008
Owner	Dragon Drilling Co. Ltd.
Flag	Taiwan (R.O.C.)
Speed	Transit 10 - 12 knots
Call sign	BICJ
Classification	DYNAPDS AM/AT R +AMS
Port of registry	Kaohsiung
Endurance	Max 30 days
Operational water dept	20-200m

### 龍群集團 Dragon Geosciences Group

12F-3, No.251, Ming-Chun 1st Road, Kaohsiung, Taiwan, R.O.C

T. +886-7-9500255 | E. [contact@dragon-geosciences.com](mailto:contact@dragon-geosciences.com) | [www.dragon-geosciences.com](http://www.dragon-geosciences.com)

圖 3 奧黛麗絲船舶資訊  
Figure 3 MV Australis information



# 中華民國船舶國籍證書

THE REPUBLIC OF CHINA  
CERTIFICATE OF VESSEL'S NATIONALITY

換發

輪字第 033618 號 Certificate No. 033618

查 鈺大企業有限公司 所有 奧黛麗絲 船業於 高雄 港為所有權之登記取得中華民國國籍，茲依照船舶法第十六條規定核發本證書為證。

It is certified that AUSTRALIS has been registered at Maritime and Port Bureau M.O.T.C. Taiwan, The Republic of China, as Chinese Vessel and this Certificate of Nationality is issued in accordance with the provisions of Article 16 of the "Law of Ships".

船名 Name of ship	奧黛麗絲 AUSTRALIS	船籍港 Port of Registry	高雄港 Kaohsiung
國際海事組織編號 IMO No.	9459307	信號符字 Signal Letters	BICJ
船舶號數 Official No.	015941		
船舶所有人 Owner of ship	鈺大企業有限公司 DRAGON DRILLING CO., LTD.	所有人住所 Owner's Address	800305 高雄市新興區民權一路251號11樓之4 11F-4, No. 251, Minquan 1st Rd., Xinxing Dist., Kaohsiung City 800305, Taiwan (R.O.C.)
船舶用途 Intended Use of ship	工作船 WORKING VESSEL	建造完成日期 Date of Build	097年11月 2008/11
船身質料 Material of Hull	鋼 STEEL	船長(公尺) Length (M)	53.38 (LOA : 58.30 M)
主機種類及數目 Type & Number of Engines	16缸 柴油機 2 部 16 Cyl(s) DIESEL 2 Set(s)	船寬(公尺) Breadth (M)	13.80
推進器種類及數目 Type & Number of Propellers	/ 具 / Set(s)	艏部模深(公尺) Molded Depth amidships (M)	5.50
造船地點及廠名 Hull Builder & Location	馬來西亞 / Sarawak Slipways Sdn. Bhd. MALAYSIA / Sarawak Slipways Sdn. Bhd.	總噸位 Gross Tonnage	1314
造機地點及廠名 Engine Maker & Location	美國 / CUMMINS U.S.A. / CUMMINS	淨噸位 Net Tonnage	394

發證地點

高雄

日期

111 年 12 月 08 日

Issued at

Kaohsiung

on

Dec 8, 2022



交通部航港局

Maritime and Port Bureau M.O.T.C.

航政機關 (Seal of Issuing Authority)

局長葉協隆

Director-General Hsieh Lung-joh

簽署 (Signature)

圖 4 奧黛麗絲船舶國籍證書

Figure 4 Vessel certificate of MV Australis



## DP1 Geophysical Survey Vessel

# Polaris II

### INTRODUCTION

Polaris II is a Taiwanese flagged fit-for-purpose geophysical survey vessel, built in 2008 and fully refurbished in Taiwan in 2023. She is dual classed by both BV and CR, fitted with hull mounted transducers of full range geophysical survey sensors, on-board data processing capacity, modern mechanized on-board handling facilities including telepathic crane, winches and purpose designed multi-functional strong A-frame. Seabed sampling and in-situ sensing geotechnical testing capability including vibro-core and seabed CPT facility, and a full suite of workclass ROV along with DP1 facility are to be put in place by Q4 2023, to further broaden her survey performance profile.

Permanently installed with full depth range of MBES and SBE, multi-frequency SSS, high to ultra-high resolution SBP and multi-channel seismic capabilities, and multiple configurations of multi-sensors radio-magnetometer, Polaris II is capable in performing full range of geophysical site investigations for EIA, UCH, pre-engineering investigation study, cable route evaluation and selection survey, post installation analysis and time-laps inspection survey, search and salvage operation.

### 龍銓集團 Dragon Geosciences Group

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T. +886-7-9500255 | E. [contact@dragon-geosciences.com](mailto:contact@dragon-geosciences.com) | [www.dragon-geosciences.com](http://www.dragon-geosciences.com)

### General

Vessel name	Polaris II (寶拉麗絲2號)
Builder / year	2008
Re-construction	2023
Owner	Dragon Geosciences Co., Ltd.
Flag	Taiwan (R.O.C.)
Speed	Transit 10 – 12 knots
Call sign	BR4432
Classification	BV & CR
Port of registry	Kaohsiung
Endurance	Max 21 days
Operational water dept	15 - 6,000 m
Intended Use of ship	Survey vessel

圖 5 寶拉麗絲 2 號船舶資訊  
Figure 5 POLARIS II information

# 中華民國船舶國籍證書

## THE REPUBLIC OF CHINA CERTIFICATE OF VESSEL'S NATIONALITY

核發

輪字第 033571 號 Certificate No. 033571

查 銓日儀企業有限公司 所有 寶拉麗絲 2 號 船業於 高雄  
港為所有權之登記取得中華民國國籍，茲依照船舶法第十六條規定核發本證書為證。

It is certified that POLARIS II has been registered at Maritime and Port Bureau M.O.T.C., Taiwan, The Republic of China, as Chinese Vessel and this Certificate of Nationality is issued in accordance with the provisions of Article 16 of the "Law of Ships".

船 名 Name of ship	寶拉麗絲2號 POLARIS II	船 籍 港 Port of Registry	高雄港 Kaohsiung
國際海事組織編號 IMO No.	9522453	信 號 符 字 Signal Letters	BR4432
船 舶 號 數 Official No.	016418		
船 舶 所 有 人 Owner of ship	銓日儀企業有限公司 DRAGON SURVEY CO., LTD.	所 有 人 住 所 Owner's Address	800305 高雄市新興區民權一路 251 號 7 樓之 2 7F.-2, No.251, Minquan 1st Rd., Xinxing Dist., Kaohsiung City 800305, Taiwan (R.O.C.)
船 舶 用 途 Intended Use of ship	運輸補給船 TRANSPORT AND SUPPLY VESSEL	建造完成日期 Date of Build	097年12月 2008/12
船 身 質 料 Material of Hull	鋼 STEEL	船長 (公尺) Length (M)	45.79 (LOA : 49.00 M)
主機種類及數目 Type & Number of Engines	8缸 柴油機 2 部 8 Cyl(s) DIESEL 2 Set(s)	船寬 (公尺) Breadth (M)	13.20
推進器種類及數目 Type & Number of Propellers	變距螺槳 / 2 具 CONTROLLABLE-PITCH / 2 Set(s)	艀部模深 (公尺) Molded Depth amidships (M)	5.30
造船地點及廠名 Hull Builder & Location	馬來西亞 / MUHIBBAH MARINE ENGINEERING SDN BHD MALAYSIA / MUHIBBAH MARINE ENGINEERING SDN BHD	總 噸 位 Gross Tonnage	1031
造機地點及廠名 Engine Maker & Location	日本 / YANMAR JAPAN / YANMAR	淨 噸 位 Net Tonnage	309

發證地點

高雄

日期

111 年 11 月 29 日

Issued at

Kaohsiung

on

Nov 29, 2022



交通部航港局

Maritime and Port Bureau M.O.T.C

航政機關 (Seal of Issuing Authority)

局長 葉協隆

Director-General Hsieh Lung Jeh

簽署 (Signature)

圖 6 寶拉麗絲 2 號船舶國籍證書

Figure 6 Vessel certificate of POLARIS II



## 4 緊急聯絡資訊 Emergency contact information

表 4 緊急聯絡資訊

Table 4 Emergency contact information

 <b>Dragon Geosciences</b>		
專案經理 Project Manager	Chiai Chow 周佳毅	chiai.chou@dragon-geosciences.com Mob 電話: +886 976 276 075
營運長/岸上指定代表 Operation Director / DPA	Kelvin Chow 周傑賢	kelvin.chow@dragon-geosciences.com Mob 電話: +886 933 539 315
環安衛經理 HSE Manager	Christopher Matulac	christopher.matulac@dragon-geosciences.com Mob 電話: +639 565 768 718
船舶部經理 Vessel Manager	Yaoyu Wu 吳耀宇	yaoyu.wu@dragon-geosciences.com Mob 電話: +886 912 723 322
船舶部副理 Assistant Vessel Manager	Renee Juang 莊惠如	renee.juang@dragon-geosciences.com Mob 電話: +886 934 275 256

## 5 預計航行路線 Route Planning

奧黛麗絲號與寶拉麗絲2號執行時預計從高雄港或台中港航至前述海域範圍內進行作業，實際航行路線將視海象情況進行調整。

MV Australis and POLARIS II will be departure from Kaohsiung port or Taichung port to aforementioned offshore survey area The route planning will be adjusted according to weather conditions.