



# 1 作業時間範圍 Operational Schedule and Area

## 1.1 海纜安裝 Cable Installation

將動員佈纜船延設定路徑進行海纜鋪設及埋設作業，如圖 1-1 所示。在此期間船舶將處於操縱受限狀態，因此設立安全區域，並由專用警戒船舶進行監控。作業期間，將以人員運輸船於岸上與施工船舶之間執行人員接駁作業。

預計作業時間：2026 年 3 月 1 日至 2026 年 8 月 31 日，取決於天候條件及工程進度。

安全區範圍：整條電纜路徑（位置如圖 1-2 所示，座標如表 1-1）周圍 500 公尺之海域。

A CLV will be mobilized to carry out cable laying and cable burial operations along the designated route, as shown in Figure 1-1. During this time, the vessel will be navigating under restricted maneuverability. Therefore, an exclusion zone is established which will be monitored with dedicated guard vessels. Crew transfers with a Crew Transfer Vessel (CTV) will be undertaken between the shore and the installation vessel during the operations.

Estimated operational period: 1 March 2026 to 31 August 2026, subject to weather conditions and project progress.

Exclusion zone: A 500-meter radius around the entire cable route (location shown in Figure 1-2, coordinates provided in Table 1-1).

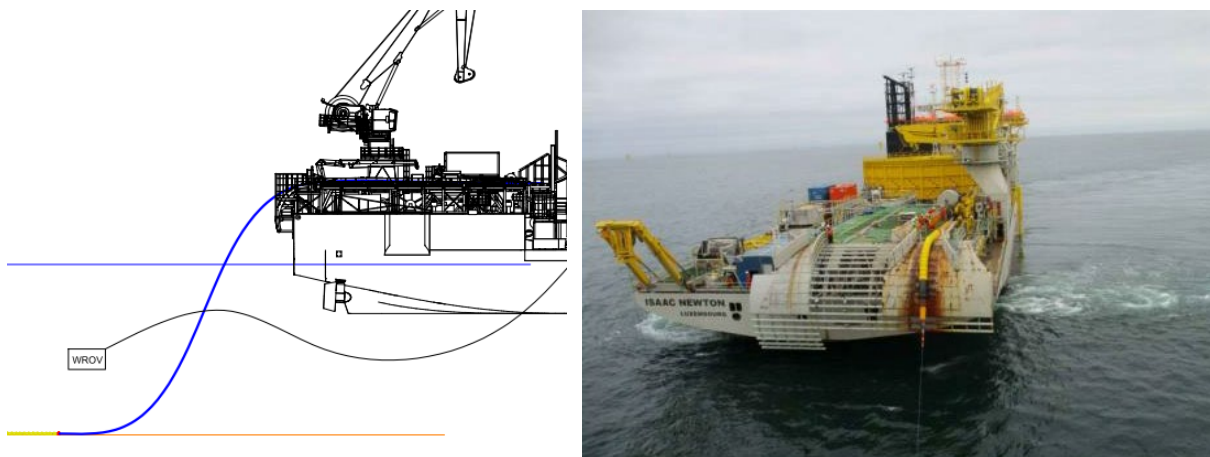


Figure 1-1 海纜安裝

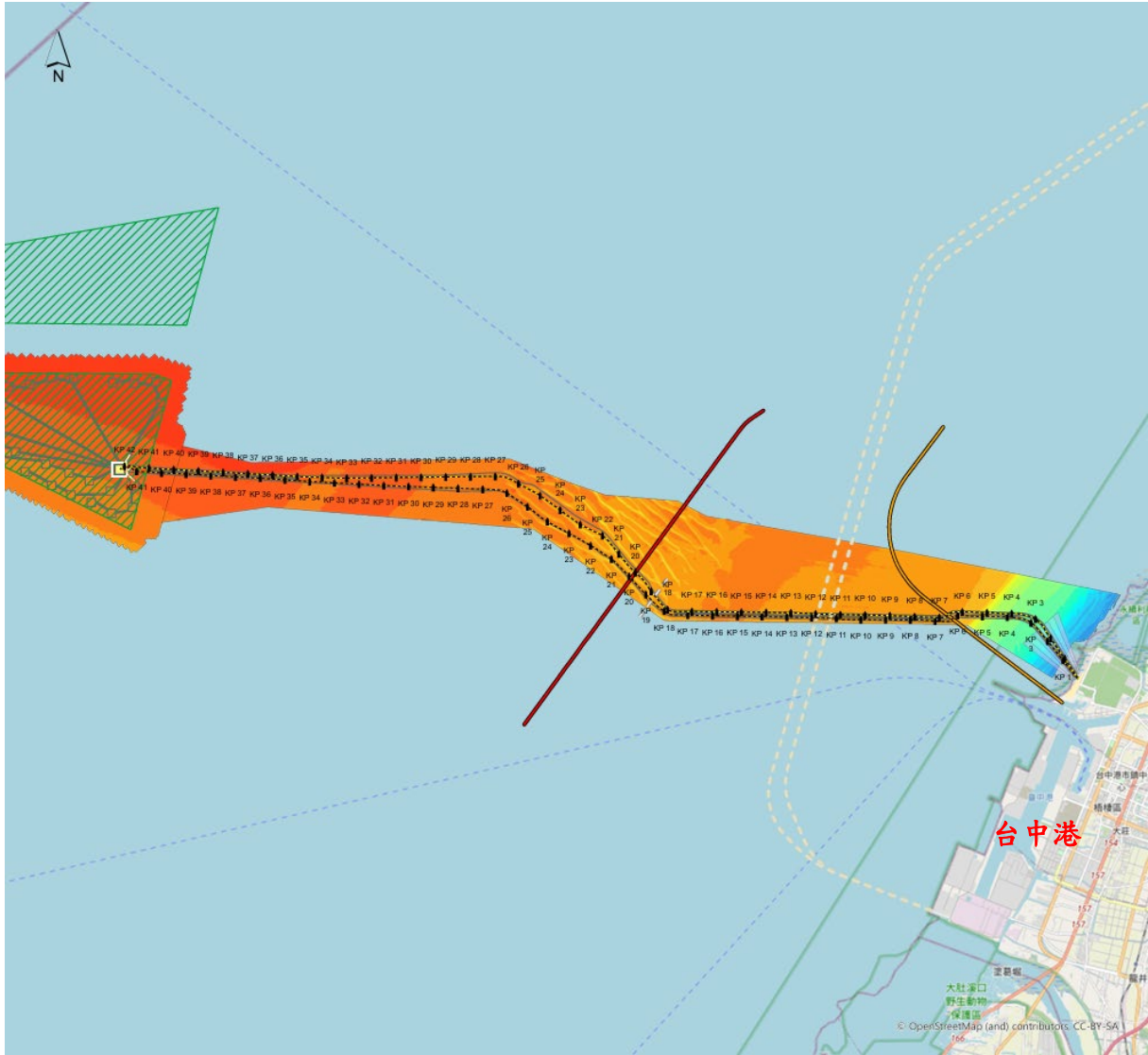


Figure 1-2 電纜路徑



Table 1-1 電纜路徑座標

| 輸出海纜 1 (EC1) |            |           |          |         |
|--------------|------------|-----------|----------|---------|
| TWD97 E      | TWD97 N    | WGS84 E   | WGS84 N  | KP (km) |
| 201273.20    | 2688533.01 | 120°31'12 | 24°18'06 | 0.001   |
| 199506.37    | 2690904.85 | 120°30'09 | 24°19'24 | 3.000   |
| 184650.85    | 2691305.67 | 120°21'22 | 24°19'34 | 18.000  |
| 178626.22    | 2696394.84 | 120°17'47 | 24°22'19 | 26.000  |
| 162545.19    | 2696976.39 | 120°08'16 | 24°22'35 | 42.205  |
| 輸出海纜 2 (EC2) |            |           |          |         |
| TWD97 E      | TWD97 N    | WGS84 E   | WGS84 N  | KP (km) |
| 201250.80    | 2688502.82 | 120°31'11 | 24°18'05 | 0.001   |
| 199339.16    | 2690770.38 | 120°30'03 | 24°19'19 | 3.000   |
| 184517.26    | 2691244.77 | 120°21'17 | 24°19'33 | 18.000  |
| 178167.71    | 2696011.16 | 120°17'31 | 24°22'06 | 26.000  |
| 162549.58    | 2696973.03 | 120°08'17 | 24°22'35 | 41.717  |



## 2 船舶基本資料 Vessel Information

### 2.1 船舶規格 Vessel specifications

#### 2.1.1 海纜安裝 Cable Installation

| 船名 (vessel name)  | Willem de Vlamingh |
|-------------------|--------------------|
| 船籍 (Registry)     | 盧森堡 Luxembourg     |
| 船舶號數 (IMO No.)    | 9573074            |
| 總噸數 (GRT)         | 6821 ton           |
| 載重噸位 (DWT)        | 6500 ton           |
| 船長 (Length)       | 115.0 m            |
| 船寬 (Beam Moulded) | 23.0 m             |
| 航行速率 (Speed)      | Max. 13 knots      |



Figure 2-1 Willem de Vlamingh

| 船名 (vessel name)  | TIPM No. 22601 (CTV) |
|-------------------|----------------------|
| 船籍 (Registry)     | 臺灣 Taiwan            |
| 船舶號數 (IMO No.)    | 9854430              |
| 總噸數 (GRT)         | 176 ton              |
| 淨噸數 (NRT)         | 53 ton               |
| 船長 (Length)       | 26.0 m               |
| 船寬 (Beam Moulded) | 9.8 m                |
| 航行速率 (Speed)      | Max. 25.9 knots      |



Figure 2-2 TIPM No. 22601 (Source: Taiwan Ships Watchers)

|                   |                                   |
|-------------------|-----------------------------------|
| 船名 (vessel name)  | 天佑 BHT MIRACLE (警戒船 Guard Vessel) |
| 船籍 (Registry)     | 臺灣 Taiwan                         |
| 船舶號數 (MMSI No.)   | TBC                               |
| 總噸數 (GRT)         | 330 ton                           |
| 淨噸數 (NRT)         | TBC                               |
| 船長 (Length)       | 36 m                              |
| 船寬 (Beam Moulded) | 7.4 m                             |
| 航行速率 (Speed)      | Max. 12 knots                     |



Figure 2-3 天佑 BHT MIRACLE (Source: Shing Sheng Fa Boat Building Co., Ltd. website)



## 2.1.2 測量調查作業 Survey

| 船名 (vessel name)  | Falcon No. 3    |
|-------------------|-----------------|
| 船籍 (Registry)     | 臺灣 Taiwan       |
| 船舶號數 (IMO No.)    | 9894002         |
| 總噸數 (GRT)         | 168.11 ton      |
| 淨噸數 (NRT)         | 50.43 ton       |
| 船長 (Length)       | 26.30 m         |
| 船寬 (Beam Moulded) | 10.30 m         |
| 航行速率 (Speed)      | Max. 24.5 knots |



Figure 2-3 Falcon No. 3



### 2.1.3 備用船隻 Backup Vessel

| 船名 (vessel name)  | TIPM No. 22602 (CTV) |
|-------------------|----------------------|
| 船籍 (Registry)     | 臺灣 Taiwan            |
| 船舶號數 (IMO No.)    | 9854442              |
| 總噸數 (GRT)         | 176 ton              |
| 淨噸數 (NRT)         | 53 ton               |
| 船長 (Length)       | 26.0 m               |
| 船寬 (Beam Moulded) | 9.8 m                |
| 航行速率 (Speed)      | Max. 25.9 knots      |



Figure 2-4 TIPM No. 22602 (Source: Taiwan Ships Watchers)

| 船名 (vessel name)  | TIPM No. 22605 (CTV) |
|-------------------|----------------------|
| 船籍 (Registry)     | 臺灣 Taiwan            |
| 船舶號數 (IMO No.)    | 9927249              |
| 總噸數 (GRT)         | 190 ton              |
| 淨噸數 (NRT)         | 57 ton               |
| 船長 (Length)       | 26.0 m               |
| 船寬 (Beam Moulded) | 10 m                 |
| 航行速率 (Speed)      | Max. 25.9 knots      |



Figure 2-5 TIPM No. 22605

## 2.2 船隻航線 Sailing Route

船舶的母港預計為台中港，航行範圍涵蓋台中港與上述施工區域，作業完成後，船舶將返回台中港，如下圖所示。實際航行路線將根據即時氣象與海況進行適當調整。

The vessels' marshaling harbor is planned to be Taichung Port. Their navigation area will cover Taichung Port and the above-mentioned work areas. Upon completion of the operations, the vessels will return to Taichung Port, as shown in below figure. The actual routes will be adjusted as necessary based on real-time weather and sea conditions.

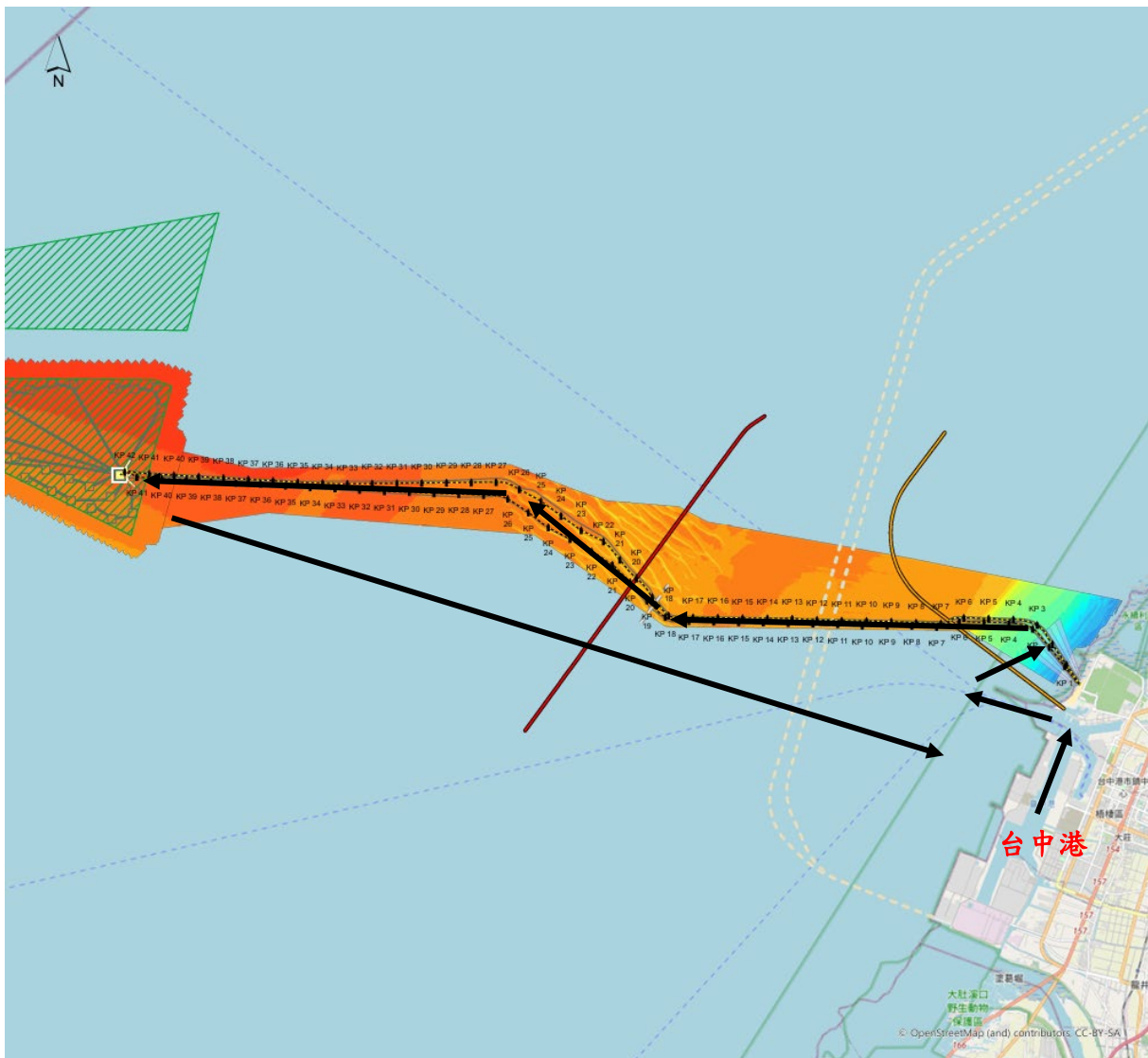


Figure 2-6 預計航線



### 3 工程負責人及緊急聯絡人員 Person in Charge and Emergency Contact

| 職位<br>Function   | 公司<br>Company                                 | 姓名<br>Name                        | 電話<br>Mobile Phone            |
|--|---|-----------------------------------|-------------------------------|
| Works Manager<br>工作經理  | JDN   | Emiel Vereecke                    | +886 910689132                |
| Project Engineer<br>專案工程師  | JDN   | Marcus Wu<br>吳育霖                  | +886 918616212                |
| Cable Installation Vessel bridge<br>(Willem De Vlamingh)<br>纜線鋪設船駕駛臺 | JDN   | Claire Bertin<br>Schira Bepo      | +32 93520339<br>+881 67773401 |
| Marin Coordination Centre<br>海事協調中心                                  | 颯妙離岸風力發電股份有限公司<br>Fengmiao Offshore Wind Farm | 海事協調人員<br>Duty Marine Coordinator | +886 912 315932               |