

## **2025 年環境社會管理年度摘要報告**

# **2025 Environmental and Social Management Annual Summary Report**

雲林離岸風場

Yunlin Offshore Windfarm

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## 1 簡介 / Introduction

### 1.1 報告簡介 / About this report

本年度摘要報告旨在展現雲林離岸風場於2025年之環境暨社會管理成果。包含環境保護減輕對策以及監測計畫說明、利害關係人經營、事故摘要報告、申訴機制等。

This annual summary report presents the environmental and social management outcomes of the Yunlin Offshore Wind Farm for the year 2025, including descriptions of environmental mitigation measures and monitoring plans, stakeholder engagement, incident summary reports, and grievance mechanisms.

### 1.2 風場簡介 / Yunlin OWF's introduction

本風場於雲林縣四湖鄉及口湖鄉外海。風場面積約為 82 平方公里，離海岸線距離約為 8 至 17 公里，水深介於 10 至 35 公尺。風場與已公告之台灣白海豚重要野生動物棲息地範圍至少保持 3,000 公尺的距離，並且遠離航道及其他開發計畫。風場共包含80座型號為 SG 8.0-167 的風力發電機，總裝置容量為 640 百萬瓦。

Yunlin OWF is located off the coast of Sihou and Kouhu Townships in Yunlin County. The offshore area of the Yunlin OWF is approximately 82 km<sup>2</sup> and the distance to shore is approximately 8-17 km. The water depth ranges between 10-35 m. The overall Yunlin OWF area is distanced at least 3,000 m from the announced scope of the important wild animal habitats of Taiwanese white dolphins. It is also located away from the shipping channels and relevant development plans. The Yunlin OWF consists of eighty (80) wind turbine generators (WTGs) of the model SG 8.0-167, providing a total installed capacity of 640 MW.

### 1.3 風場大事紀 / Yunlin OWF's milestones

本風場之陸域工程自 2019 年 1 月起至 2023 年 12 月，工程範圍包括2座分別設立於雲林台西鄉及四湖鄉之陸域變電所及陸纜相關工程；海域工程自 2019 年起至 2025年，涵蓋海纜、水下基礎、轉接平台、塔架及風機的製造與安裝。2025年2月，本風場80座風機全數併接至台灣電力公司電網，並於2025年7月全面商轉。

The onshore works of the wind farm were carried out from January 2019 to December 2023, including two onshore substations located in Sihou and Taixi Townships, respectively, as well as the associated onshore cable works. The offshore works commenced in 2019 and continued until 2025, covering submarine cables, underwater foundations, transition platforms, towers, and the manufacturing and installation of wind turbines. In February 2025, all 80 wind turbines of the wind farm were fully connected to the Taiwan Power Company grid, and the farm entered full commercial operation in July 2025.

## 2 一般性合規 / General Compliance

本風場於報告年度期間(2025年)無不合規事件：

No non-compliance events occurred in 2025.

## 3 環境社會管理計畫 / Environmental and Social management plan

本風場之環境社會管理計畫於2025年執行情形說明如下：

- **環境影響說明書：**本案所有環境影響減輕措施及監測計畫於 2019 年通過環保署審核，環境影響說明書環境影響調查報告書於 2020 年 11 月通過環保署審核。2025 年活動皆按規劃進行。
- **海岸利用管理說明書：**海岸利用管理說明書許可內容檢查紀錄已於 2025 年 3 月 28 日提送內政部營建署，並於 2025 年 4 月 11 日核備。
- **水文文資管理計畫：**一切事項皆依計畫執行。
- **環安衛計畫：**本風場環安衛計畫第九版於 2023 年 6 月發布，本風場 2025 年活動皆依規範執行，並依據專案最新進展進行檢討更新。
- **陸域交通管理計畫：**已按照陸域交通管理計畫執行。
- **行為準則：**本公司於 2020 年舉辦了三場行為準則內部訓練，並於 2020 年 7 月公告此行為準則於專案網站。2025 年所有活動均依此行為準則進行，沒有發生違反事項。
- **環境社會政策聲明：**本公司於 2020 年 7 月正式將本風場環境社會政策聲明發布於專案網站，並根據風場工程行為，於 2025 年 5 月 30 日更新於本風場網站。所有活動均持續依此政策聲明進行。

The implementation of the Environmental and Social Management Plan for the Yunlin OWF in 2025 is outlined as follows:

- **Environmental Impact Assessment (EIA) Report:** All environmental impact mitigation measures and monitoring plans were approved by the Ministry of Environment in 2019, and the Environmental Impact Survey Report was approved in Nov-2020. The commitments in the EIA report continued to be implemented throughout 2025.
- **Coastal Zone Management Plan (CZMP):** The fourth inspection record of the Coastal Zone Management Plan was submitted to the Construction and Planning Agency of the Ministry of the Interior on 28-Mar-2025 and approved on 11-Apr-2025.
- **Underwater Cultural Heritage Management Plan :** All activities were carried out in accordance with the plan.

- **HSE Plan** : The ninth version of the Yunlin OWF's HSE Plan was released in June 2023. All Yunlin OWF activities in 2025 were executed in compliance with the regulations and reviewed/updated based on the latest Yunlin OWF status.
- **Onshore Traffic Management Plan** : During the execution of onshore works, all activities were conducted in accordance with the Onshore Traffic Management Plan.
- **Code of Conduct** : The Yunlin OWF held three internal Code of Conduct training sessions in 2020 and officially published the Code of Conduct on the Yunlin OWF website in July 2020. All activities in 2025 were carried out in accordance with this Code of Conduct.
- **Environmental and Social Policy Statement** : The Yunlin OWF's Environmental and Social Policy Statement was officially published on the Yunlin OWF website in July 2020 and updated on 30-May-2025 according to the construction activities, and all activities continue to be conducted in accordance with this policy statement.

### 3.1 環境影響減輕與監測計畫摘要 / Summary of Environmental mitigation measures and Monitoring plans

本風場所有環境影響減輕措施和監測計畫均按環評承諾執行。

陸域工程方面，本風場的主要陸域工程包括陸域電纜安裝及台西及四湖變電所新建工程。工程於2019年開始並同時執行相應之環境監測，以了解陸域施工是否對周圍環境有負面影響。陸纜已於2022年全數完工，四湖及台西升壓站之工程以及復舊分別於2023年6月及2024年3月完成。故環境監測計畫亦分別於2023年第三季及2024第一季後執行完成。本計畫於2023年第三季取得首批的發電業執照，故隨即開始營運期間之環境監測工作。

總結而論，陸域施工期間排除因環境背景值影響之數據後，均符合相關法規標準，並未對環境產生重大影響。

海域監測亦遵循環評承諾，均依照計畫進行中。各項監測結果均可符合環保署公告之法規標準，生態監測結果經與施工前環境背景調查結果比對，並無明顯變化情形。

本風場每季監測報告可於專案網站下載

- 英文版: [https://www.yunlin-offshore.com/en/responsibility\\_download](https://www.yunlin-offshore.com/en/responsibility_download)
- 中文版: [https://www.yunlin-offshore.com/tw/responsibility\\_\\_download](https://www.yunlin-offshore.com/tw/responsibility__download)

All environmental mitigation measures and monitoring plans for the Yunlin OWF have been implemented in accordance with the Environmental Impact Assessment (EIA) commitments.

For onshore works, the Yunlin OWF's main onshore construction activities, including the construction of the Taixi, Sihua substations and onshore cable, the onshore construction campaign commenced from 2019. The corresponding environmental monitoring was conducted in parallel. The onshore cable installation was completed in 2022. The construction and reinstatement of the Sihua and Taixi substations were completed in June 2023 and March 2024, respectively. As a result, the environmental monitoring during the onshore construction phase in Sihua was carried out until Q3 2023 and Taixi was carried out until Q1 2024. Additionally, since the nine (9) turbines that obtained

the Electricity Business License (EBL) were integrated into the Sihou substation in Q3 2023, environmental monitoring for the operational phase commenced from Q3 2023.

In summary, after excluding data influenced by background environmental factors, all onshore monitoring results complied with relevant regulatory standards, with no significant environmental impact observed.

Overall, all monitoring results complied with relevant regulatory standards, with no significant environmental impact observed. In addition, ecological monitoring results, when compared to pre-construction baseline data, showed no significant changes.

The Yunlin OWF's quarterly monitoring reports can be downloaded from the Yunlin OWF website :

- English version: [https://www.yunlin-offshore.com/en/responsibility\\_download](https://www.yunlin-offshore.com/en/responsibility_download)
- Chinese version: [https://www.yunlin-offshore.com/tw/responsibility\\_\\_download](https://www.yunlin-offshore.com/tw/responsibility__download)

## 3.2 社會管理計畫 / Social Management Plan

### 3.2.1 利害關係人經營 / Stakeholder Engagement

於2025年，本風場與利害關係人依議題的性質持續進行相關會議溝通及活動參與，其中本風場與各級相關中央及地方主管機關、地方意見領袖、其餘受專案影響團體、環評監督小組、非營利/政府組織、媒體、一般大眾、承包商、貸方及內部員工等均保持順暢良好之溝通（「綠燈」等級），包含於2025年9月15日舉辦第15次環境部現地監督查核會議。

The Yunlin OWF has maintained ongoing meetings, communications, and engagement activities with stakeholders based on the nature of each issue. All related activities in 2025 proceeded as planned. The Yunlin OWF maintained smooth and effective communication ("Green Light" status) with central and local authorities, local opinion leaders, other affected groups, the EIA supervisory committee, NGOs, media, the general public, contractors, lenders, and internal employees. Key activities included the 15th audits by the Ministry of Environment on 15-September-2025.

然而，本風場與特定漁民之間的溝通與互動被評為「黃燈」的原因在於，由於離岸工程於2025年(本報告期間)尚未完成(儘管已於2020年10月16日與11月6日與該些漁民簽署協議，並針對工程建設及超過20年的營運期提供補償)，因此持續密切關注施工進度與狀態，以能即時應對突發事件。

The reason why the engagement and communication rating between YWPC and specific fishermen is marked as yellow, because the offshore construction was still ongoing in 2025; (although YWPC signed agreements with the fishermen on 16 October and 6 November 2020, and the fishermen have already been compensated for both the construction and over 20 years of operation). Therefore, it remained a priority to closely monitor construction progress and status in order to respond promptly to any unexpected events or incidents during that period.

### 3.2.2 申訴機制 / Grievance Mechanism

本風場申訴機制於2020年7月正式公告於專案網站 ([https://www.yunlin-offshore.com/tw/compliance\\_\\_article/dacB55976800](https://www.yunlin-offshore.com/tw/compliance__article/dacB55976800))，並將訊息提供給相關供應商和承包商；本公司也於2020年8月，將此申訴機制之訓練及解說教材，發送予所有本公司離岸工程團隊人員，以確保團隊人員能夠妥善處理申訴。2025年所有申訴相關事件均持續依此機制進行。

本計畫於2025年度共計收受4件申訴案件(包含1件於2024年12月1日受理之案件)，申訴內容分述如下：

第一次申訴：2024年12月1日，工作船之航行導致漁船漁網受到割絞而損壞，本風場受理申訴後，協助申訴漁民與工作船之合約廠商進行和解，全案已於2025年3月28日關閉。

第二、三、四次申訴：2025年4月3日、4日及15日，均發生工作船之工作導致漁網受到割絞，產生不同程度的損壞，本風場受理申訴後，協助申訴漁民與工作船之合約廠商進行和解，全案已於2025年5月16日關閉。

The grievance mechanism for the Yunlin Offshore Wind Farm was officially announced on the project website in July 2020. ([https://www.yunlin-offshore.com/tw/compliance\\_article/daCB55976800](https://www.yunlin-offshore.com/tw/compliance_article/daCB55976800)) and the information was provided to relevant suppliers and contractors. In August 2020, the Company also distributed materials on the grievance mechanism to all offshore team members to ensure that the team could properly handle any grievances. Throughout 2025, all grievance-related incidents continued to be addressed in accordance with this mechanism.

In 2025, a total of four (4) grievance cases were received (including one case initially received on 01-December-2024). Details of the cases are as follows:

- First grievance (01-December-2024): A work vessel's navigation caused damage to a fisherman's fishing nets. YWPC facilitated a resolution between the fisherman and the contractor of the work vessel. And the case was closed on 28-March-2025.
- Second, third, and fourth grievances (03-, 04-, and 15-April-2025): Work activities of the work vessels caused varying degrees of damage to fishing nets. YWPC facilitated resolutions between the affected fishermen and the contractors of the work vessels. And all cases were closed on 16-May-2025.

### 3.3 事故報告 / Summary of incident records in 2025

於2025年1月至2025年12月間，本風場共紀錄有26次事故事件，包含工傷事件(初步緊急處置; FAC) 11件、工傷事件(醫療處置; MTC) 1件、虛驚事件11件；財損事件3件。

During the period from January to December 2025, a total of 26 incidents were recorded for the Yunlin OWF, including 11 First Aid Cases (FAC), 1 Medical Treatment Case (MTC), 11 Near Misses, and 3 asset damage incidents.

## 4 承包商管理 / Summary of Contractor Management

本風場承包商除了須依照合約內容執行外，亦須遵守台灣與國際相關的法律及規範，並善盡環境社會責任。

除了合約條文外，本公司也提供本公司之行為準則予承包商，所有承包商均接受並將遵守本公司行為準則，並皆依照合約要求定期提交相關進度報告。

The Yunlin OWF's Environmental and Social Management System (ESMS) stipulates that contractors have to comply with international, national and local laws.

The Yunlin OWF also provides the Code of Conduct for all contractors. All the contractors must adhere to YWPC's Code of Conduct and provide progress reports regularly.