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# Fact Sheet 全球概覽

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## SUSTAINABILITY AND COMMUNITY ENGAGEMENT

### 永續發展與社區參與

## 為環境與社區創造永續價值

雲林離岸風場不僅致力於提供再生能源，也相當重視環境保護與在地關懷，透過黑面琵鷺衛星追蹤計畫，定期淨海護灘活動，以及長期的環境教育推廣等一系列行動，展現專案對於守護自然生態、關懷在地發展的承諾。同時，專案對於在地漁業發展的支持，也進一步說明其深化與在地社區連結的決心。

### 在地永續發展與社區參與

雲林離岸風場致力透過在地計畫，積極減少專案對環境和社會的影響。專案團隊與當地社區攜手合作，共同擘畫綠能轉型的願景，並協助促進在地福祉發展。專案團隊相信，若要對抗氣候變遷、邁向永續的綠色未來，產學合作的深化與綠能人才的培育是不可或缺的關鍵。

### 在地夥伴關係

雲林離岸風場為在地夥伴合作立下新典範，此項成果彰顯了專案對發展台灣本土產業、提升在地技術實力的堅定承諾。專案與台朔重工、俊鼎機械等台灣優秀製造商攜手合作，不僅達標，更超越了在地化的要求，為後續的離岸風電專案建立新標竿。

### 黑面琵鷺衛星追蹤計畫

2021 年啟動的「黑面琵鷺衛星追蹤計畫」是環境、社會及治理（ESG）的一項創舉。這個四年期的計畫建立了全球規模最大的黑面琵鷺遷徙路線和飛行行為資料庫，完整記錄黑面琵鷺迴避陸域及離岸風場和風機運轉的行為模式。這些珍貴的資料不僅有助深入瞭解黑面琵鷺的生態特性，亦突顯我們在守護環境和促進地方永續發展的決心。

透過此項計畫，專案團隊協助找出黑面琵鷺賴以生存的重要棲地。專案與鳥類生態研究室及孫元勳教授合作，利用太陽能 GPS 追蹤器進行全天候監測。研究不但發現了 10 處新的活動熱點，也記錄了超過 100 條飛行路徑，這些資料對於黑面琵鷺的保育和全球族群普查均至關重要。計畫的成果深獲肯定，榮獲台灣最具指標性的企業社會責任獎項「APSAA 亞太永續行動獎」和「TSA 台灣永續行動獎」。

展望未來，雲林離岸風場將持續分享黑面琵鷺研究的重要發現，同時秉持永續發展的理念，在推動綠能發展的過程中，致力為台灣的能源轉型和生物多樣性保育貢獻一份心力。

### 青年創業補助金計畫

雲林離岸風場與雲林縣政府合作，成立新台幣 1 億元的補助基金，專門協助在地青年創業。

### 「做伙趣海洋」

2024 年夏天，專案團隊在雲林縣四湖鄉舉辦了「做伙趣海洋 – 雲林離岸風場社區感謝日」活動，吸引數百位在地民眾共襄盛舉，大家一同參與生動有趣的海洋生態互動遊戲，並參觀精采的主題展覽。專案未來將持續推動雲林觀光發展，以感謝在地社區與居民的支持。

### 環境教育

2023 年，專案團隊推出首本以離岸風場開發與營運為故事背景的黑海豚保育互動繪本。這本繪本結合科學知識與互動貼紙，引導孩子們認識海洋與黑海豚，並瞭解離岸風場如何減輕對生態的影響。參與環境教育活動的國小學童皆能取得繪本，幫助小朋友理解海洋生態保育和綠能發展如何並行不悖。

## **Lasting Value for Local Communities and the Environment**

Beyond generating clean energy, the Yunlin OWF is dedicated to environmental protection and community engagement. Initiatives like the Black-faced Spoonbill Satellite Tracking Program, regular coastal clean-ups, and frequent environmental education programs reflect the project's commitment to preserve nature and support local well-being. With this in mind, the support offered to the local fishing industry further demonstrates the project's dedication to local communities.

### **Local Sustainability Activities and Engagement**

A significant part of the Yunlin OWF was actively reducing the environmental and social impact of the project through local initiatives. The project team engaged local communities to create a vision of green energy transformation and aid the development of local well-being. The project team believes that greater industry and academia collaboration along with the cultivation of green energy talent will play a crucial role in combating climate change and forging a sustainable green future.

### **Local Partnerships**

The Yunlin OWF has set new benchmarks for local partnerships. This achievement underscores our commitment to fostering local industry growth and enhancing technical capabilities within Taiwan. By partnering with leading Taiwanese manufacturers, such as Formosa Heavy Industries and CTCI Machinery, the project has not only met but surpassed the localization requirements, setting new standards for future projects.

### **Black-faced Spoonbill Satellite Tracking Program**

The "Black-faced Spoonbill Satellite Tracking Program", launched in 2021, represents a pioneering effort in environmental, social, and governance (ESG) initiatives. This 4-year program has created the world's largest database on the migration routes and flight behaviours of Black-faced Spoonbills, providing invaluable insights into their avoidance patterns regarding onshore and offshore wind farms and WTG operations. This comprehensive dataset is crucial for understanding the birds' behaviour and underscores the project team's commitment to environmental responsibility and local prosperity.

Through the program, the Yunlin OWF supported to identify habitats that are crucial for the Black-faced Spoonbill's survival. In collaboration with the Bird Ecology Lab and Professor Yuan-Hsun Sun, the project used solar-powered GPS trackers for all-day tracking. This program identified ten (10) new activity hotspots and recorded over 100 flight paths, which is crucial for conservation and global population census efforts. This program has been honoured with Taiwan's most prestigious corporate social responsibility awards: the "Asia-Pacific Sustainability Action Award (APSAA)" and the "Taiwan Sustainability Action Award (TSAA)".

Looking ahead, the Yunlin OWF will continue to share key insights on Black-faced Spoonbills and remain dedicated to sustainable actions that support the development of green energy projects, contributing to Taiwan's energy transition and biodiversity conservation efforts.

### **Youth Entrepreneurship Grant Program**

The Yunlin OWF has partnered with the Yunlin County Government and established a TWD 100 million grant program, dedicated to local young entrepreneurs.

### **Ocean Festival**

In summer 2024, the Yunlin OWF team hosted the "2024 Yunlin Ocean Festival – Yunlin Offshore Wind Farm Community Appreciation Day" at Sihou Township in Yunlin County, attracting hundreds of local visitors, who enjoyed interactive marine ecology games and an exhibition. The project will continue to promote tourism in Yunlin County as a sign of appreciation for the support of the local communities and residents.

## **Environmental Education**

In 2023, the Yunlin OWF team introduced Taiwan's first interactive picture book dedicated to the conservation of the Taiwanese White Dolphin within the context of the development and operations of offshore wind farms. The book combines scientific knowledge and interactive stickers to engage children in learning about the oceans, the Taiwanese White Dolphin, and the role of offshore wind farms in mitigating ecological impacts. The book is available to elementary school students participating in the environmental education activities and serves as a teaching resource to help them understand the importance of balancing marine ecology with green energy development.