



# SIKA AT WORK

## TPC II CHANGHUA PHASE 2 OFFSHORE WIND FARM

OFFSHORE & MARINE CONSTRUCTION  
RENEWABLE ENERGY

BUILDING TRUST



# TPC II CHANGHUA PHASE 2 OFFSHORE WIND FARM



## PROJECT DESCRIPTION

The TPC II Changhua Phase 2 Offshore Wind Farm is a landmark project in Taiwan's growing offshore wind sector. Located off the coast of Changhua County, the wind farm spans more than 50 million square meters and will have an installed capacity of 300 MW – supplying one billion kWh of renewable electricity annually. This will be enough to power 240,000 households and reduce carbon emissions by approximately 500,000 tons per year.

Sika was selected for the supply and installation of SikaGrout®-9800 for both wind turbine generator (WTG) and offshore substation (OSS) jacket foundations. The project marked a major milestone in Sika's expansion into the Taiwanese offshore market and reaffirmed its position as a trusted partner for large-scale renewable energy infrastructure.

Project name: TPC II Changhua Phase 2 Offshore Wind Farm  
Location: Changhua, Taiwan  
Year: 2025  
Application: Jacket foundations  
Product: SikaGrout®-9800

## PROJECT REQUIREMENTS

The project required a high-performance offshore grouting solution capable of supporting jacket foundations under variable site conditions. Differences in dredging depths at each pile location meant that grout volume requirements varied between jackets and even among individual jacket legs. Maintaining consistent delivery while adapting to these variations demanded flexibility, close coordination, and strong production control.

Furthermore, to meet the project's timeline – starting with the first jacket installation in March 2025 – Sika needed to ensure a continuous and reliable material supply while minimizing logistical complexity and cost for the client.

Any product name or reference reflects the Sika product name at the time of creation of this document and may differ from the product name or reference during past events.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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## SIKA SOLUTIONS

Sika supplied > 8,500 metric tons of SikaGrout®-9800, a high-performance, DNV-certified grout specifically developed for offshore energy foundations. The product was locally produced in Taiwan and delivered in bulk quantities, reducing overall transport and handling costs for the end user.

Sika's bulk transfer concept allowed the grout to be transported using its fleet of dry bulk cement tank containers and offloaded directly into the client's storage silos. This flexible logistics model not only improved operational efficiency at the port but also demonstrated the feasibility of local bulk delivery for future offshore wind projects in the region.

Through proactive communication and strong local project management, Sika ensured timely deliveries and sustained grouting performance despite changing schedule conditions.

## CUSTOMER BENEFITS

By producing SikaGrout®-9800 locally and implementing a bulk logistics strategy, Sika delivered a cost-effective, reliable, and high-performance solution tailored to the needs of Taiwan's offshore wind industry. The reduction in logistics costs, coupled with the ability to adapt quickly to volume changes at each foundation, positioned Sika as a one-stop solution provider for the OWF sector in Taiwan.

Sika's involvement in this strategic project has strengthened its foothold in Taiwan's renewable energy market, showcasing its ability to support local clients with advanced materials, efficient logistics, and hands-on technical expertise. The project demonstrated not only the performance of SikaGrout®-9800 under challenging offshore conditions, but also Sika's commitment to enabling sustainable energy transitions across Asia.

## PROJECT PARTICIPANTS

Client: Shinfox Far East Pte Ltd (SFE)  
Applicator: Sika Taiwan subcontracted FoundOcean

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