



SIKA AT WORK

HAI LONG OFFSHORE WIND FARM

OFFSHORE & MARINE CONSTRUCTION
RENEWABLE ENERGY

BUILDING TRUST



HAI LONG OFFSHORE WIND FARM



PROJECT DESCRIPTION

The Hai Long Offshore Wind Farm is a flagship renewable energy project in the Taiwan Strait, approximately 45-70 kilometers off the coast of Changhua. Developed in two phases – Hai Long 2 and Hai Long 3 – the combined wind farm will have an installed capacity of 1,022 MW, supplying clean electricity to more than one million Taiwanese households.

Sika has been a key delivery partner for both the 2024 and 2025 installation campaigns, supplying high-performance offshore grouting materials produced locally in Taiwan. This milestone marked the first time Sika's offshore construction team delivered material from its regional production plant, reducing lead times and reinforcing its long-term commitment to the APAC offshore wind market.

Project name: Hai Long Offshore Wind Farm
Location: Taiwan
Year: 2024-2025
Application: Jacket and substation foundations
Product: SikaGrout®-9800

PROJECT REQUIREMENTS

The Hai Long project required a durable, high-strength grouting material to secure jacket foundations for wind turbines and offshore substations under demanding offshore conditions. Sika provided a tailored, high-volume logistics solution capable of supporting the fast-paced offshore construction schedule, with deliveries exceeding 800-1,000 metric tons every four days.

Beyond the technical performance of the material itself, success depended on timely delivery, safe transfer operations, and reliable offshore application support. This was made possible through close collaboration and proactive communication between Sika and 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 SikaGrout®-9800 for both the 2024 and 2025 jacket foundation campaigns. In 2024, 10,000 metric tons of grout were produced and delivered for 37 wind turbine jacket foundations and 2 offshore substation jackets. The 2025 campaign includes the installation of 36 additional WTG jackets, with more than 9,000 metric tons delivered to date.

All material was manufactured locally at Sika Taiwan's production plant and transferred in bulk to 100Te quayside silos using Sika's dry bulk cement tank containers. Sika also hired out their 20-ft ISO silo units and provided the full cement transfer equipment setup – including compressors, generators, hoses, and offshore-rated lifting frames – to streamline the process.

In addition to product delivery, Sika's offshore construction team provided early-stage project support through onshore mock-up trials and early age cycling tests. During the offshore phase, experienced Sika engineers and the CDWE team ensured that the Applicator, managed by CDWE, performed grout handling, transfer operations, and application in full compliance with the Type Approval Certificate and product method statement. The presence of Sika engineers offshore also facilitated smooth communication and flexibility regarding grout deliveries.

Close cooperation between Sika and CDWE was key to the project's success.

CUSTOMER BENEFITS

Sika's local production capabilities and end-to-end project support provided a significant advantage for the Hai Long OWF. By manufacturing SikaGrout®-9800 within Taiwan and delivering it in bulk directly to the installation site, Sika reduced logistics costs, shortened delivery timelines, and ensured consistent supply under demanding conditions.

The flexibility and responsiveness of Sika's offshore project team helped optimize transfer operations and enhanced safety standards. This strengthened the successful collaboration between Sika and CDWE following their earlier partnership on the Zhong Neng project and has positioned Sika as a preferred partner for Taiwan's emerging offshore wind sector.

PROJECT PARTICIPANTS

Client: CDWE – a joint venture between CSBC and DEME
Applicator: ULO Systems

