



SIKA AT WORK

LIBRO PLATFORM AND CONDUCTOR INTEGRITY STRENGTHENING, PHILIPPINES

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



LIBRO PLATFORM AND CONDUCTOR INTEGRITY STRENGTHENING



PROJECT DESCRIPTION

In May 2018, Sika was engaged by The Philodrill Corporation to assess and execute structural strengthening and repair works on the Libro Platform, offshore Philippines. The campaign was a critical enabler for upcoming plug and abandonment (P&A) operations, during which the well conductors were required to achieve a nominal pressure containment rating of 500 psi. Due to severe corrosion and structural deterioration, both the platform and its conductors required immediate reinforcement to support safe well intervention activities.

Project name: Libro Platform and Conductor Integrity Strengthening
Client: The Philodrill Corporation
Location: Offshore Philippines
Year: 2018
Application: Well integrity, repair and maintenance
Product: A predecessor of SikaGrout®-9550, SikaGrout®-9970

PROJECT REQUIREMENTS

The client required a targeted repair solution that would restore the structural capacity of the platform and seal leaking conductor sections in preparation for P&A. Visual inspections revealed extensive corrosion across the platform and multiple leak points along the conductor, including a parted section near the spider deck. The challenge was to deliver a robust and reliable solution capable of meeting pressure containment and structural performance requirements with minimal offshore disruption.

SIKA SOLUTIONS

Sika began with a detailed structural inspection of the Libro Platform to collect data for engineering evaluation. This analysis informed a strengthening concept tailored to the site conditions and operational demands of the P&A phase.

To restore the conductor's pressure containment capability, Sika installed a 10-meter UHPC sleeve using SikaGrout®-9970. The repair included vertical and circumferential reinforcement bars to reestablish structural integrity. For added protection and sealing, additional works were carried out using a predecessor of SikaGrout®-9550 to perform infill grouting on a knee brace between the cellar and top decks.

All UHPC grouting equipment, materials and personnel were provided by Sika, ensuring quality control and consistency throughout the execution phase.

CUSTOMER BENEFITS

The high early strength and low permeability of Sika's UHPC products allowed for rapid project completion and early loading of the repaired structure. The use of Sika's proprietary grouting products offered reliable sealing, structural strengthening, and corrosion protection in a single operation. This minimized offshore duration and reduced total costs for the client.

By delivering both engineering and execution through a single, coordinated team, Sika ensured that the client's P&A timeline could proceed safely and efficiently, without delays or additional interventions.

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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