



SIKA AT WORK

POKCHE-C GROUTING CAMPAIGN

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



POKCHE-C GROUTING CAMPAIGN



PROJECT DESCRIPTION

In December 2020, Sika was engaged by Heerema Marine Contractors to support the installation of a new 4-legged jacket platform, Pokche-C, in the Gulf of Mexico for PEMEX. The scope focused on pile-sleeve grouting at a water depth of 75 metres, using SikaGrout®-9610 to secure the jacket to the seafloor. The installation campaign formed part of a wider field development programme and required precision, high-quality execution, and robust material performance.

Project name: Pokche-C Jacket Grouting Campaign
Location: Gulf of Mexico
Year: 2020
Customer: Heerema Marine Contractors / PEMEX
Application: Jacket Installation
Product: SikaGrout®-9610

PROJECT REQUIREMENTS

The project required a high-performance grout capable of filling the annular space between the jacket sleeves and foundation piles under challenging offshore conditions. The annular volume was calculated at 48m³ (approximately 96 metric tons), with contingency bringing the total material used to approximately 100 metric tons. Given the depth and complexity of the installation, a well-coordinated execution plan was critical to ensure smooth and timely delivery.

SIKA SOLUTIONS

Sika provided full-service support, supplying SikaGrout®-9610 and overseeing the complete offshore grouting operation. The team delivered the binder/lubrication mix, rigging gear, quick-connect hoses, mixing and pumping equipment, and a custom-designed tool container for site use. Offshore crew, including a dedicated grouting engineer and supervisor, ensured the operation was managed with precision.

Grouting was executed using multiple inlet lines to ensure efficient coverage. When unexpected blockages occurred due to integrated check valves in the grout lines, Sika's experienced offshore team swiftly activated a contingency plan. By switching to a tertiary line (stinger pipe) without valves, they successfully completed the grouting to the required specification without delay.

Compressive strength testing was conducted and documented to verify grout performance, meeting all client QA/QC requirements.

CUSTOMER BENEFITS

Despite the technical challenges, the Pokche-C grouting campaign was completed on schedule and exceeded client expectations. SikaGrout®-9610 provided a reliable solution with high compressive strength and excellent flow characteristics, ensuring robust anchorage for the jacket structure in deep water.

The client praised the adaptability and professionalism of the Sika team, noting improved product performance and seamless project delivery. The successful outcome reinforced Sika's reputation as a trusted partner for offshore jacket installation in the Gulf of Mexico.

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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