



SIKA AT WORK

JACKET INSTALLATION WITH GROUTED PILE SLEEVE - ELM 21

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



JACKET INSTALLATION WITH GROUTED PILE SLEEVE – ELM 21



PROJECT DESCRIPTION

In January 2022, Sika was engaged by Protexa to deliver high-performance grouting services for the installation of the ELM-21 four-legged jacket in the Gulf of Mexico. The grouting was performed for PEMEX, the national oil company of Mexico, using SikaGrout®-9610 – a proven UHPC material developed for structural offshore applications.

Project name: Jacket Installation with Grouted Pile Sleeve – ELM 21
Location: Gulf of Mexico, Mexico
Year: 2022
Customer: Protexa / PEMEX
Application: Jacket Installation
Product: SikaGrout®-9610

PROJECT REQUIREMENTS

The project required precision grouting of pile sleeves at a depth of 26 meters to securely fix the jacket structure to the seabed. The scope demanded a durable, high-strength grout capable of achieving consistent flow, reliable seal performance, and excellent bond under subsea conditions.

In addition to material supply, the client required Sika to provide offshore grouting equipment, documentation, and an experienced offshore crew to execute the full operation.

SIKA SOLUTIONS

Sika supplied 50 metric tons of SikaGrout®-9610 and managed the complete offshore grouting scope, including equipment provision, pumping systems, and on-site supervision.

During the jacket leveling process, a seal displacement issue arose at the lower connection points, creating a risk of grout leakage. The Sika grouting team promptly implemented a containment solution by securing and blocking the seals, allowing grouting to continue as planned and ensuring full completion of the annular fill.

The work was performed safely, efficiently, and in strict accordance with client procedures, supported by QA/QC monitoring and documentation throughout the operation.

CUSTOMER BENEFITS

The ELM-21 grouting campaign was completed on schedule with all deliverables achieved to the client's satisfaction. Sika's technical expertise and responsive problem-solving ensured uninterrupted offshore execution despite on-site challenges.

The performance of SikaGrout®-9610 – with its superior flowability, high compressive strength, and durability – provided a reliable structural connection, extending the service life of the jacket foundation. The client praised Sika's professionalism and adaptability in achieving high-quality results under dynamic offshore conditions.

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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