



# SIKA AT WORK

## JACKET INSTALLATION WITH GROUTED PILE SLEEVE - ELM 16

OFFSHORE & MARINE CONSTRUCTION  
CONVENTIONAL ENERGY



# JACKET INSTALLATION WITH GROUTED PILE SLEEVE – ELM 16



## PROJECT DESCRIPTION

In March 2022, Sika was contracted by Permaducto S.A. de C.V. to support the offshore installation of a new four-legged jacket structure for PEMEX in the Gulf of Mexico. The ELM-16 platform required secure fixation to the seabed through infill grouting between the skirt piles and structural sleeves at a water depth of 44 meters. SikaGrout®-9610, a high-performance cementitious grout, was selected to provide the necessary strength, flowability, and durability for this operation.

Project name: Jacket Installation with Grouted Pile Sleeve – ELM 16  
Location: Gulf of Mexico, Mexico  
Year: 2022  
Customer: Permaducto S.A. de C.V / PEMEX  
Application: Jacket Installation  
Product: SikaGrout®-9610

## PROJECT REQUIREMENTS

The project demanded a precise grouting solution to secure one skirt pile on each leg of the jacket foundation. The solution needed to withstand offshore environmental challenges while delivering rapid strength development and structural reinforcement. Turnkey delivery, including material supply, specialist crew, and rigging equipment, was essential to meet project timelines.

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.



**SIKA SERVICES AG**  
Tueffenwies 16  
CH-8048 Zurich  
Switzerland

**Contact**  
Phone +41 58 436 40 40  
[www.sika.com](http://www.sika.com)

## SIKA SOLUTIONS

Sika supplied 44 metric tons of SikaGrout®-9610 and provided complete offshore support, including grouting equipment, mixing and pumping systems, tool containers, and grout hoses with 30% contingency. Quick-connect inlets and outlets were used to streamline offshore setup and ensure flexibility during execution.

The jacket installation scope included the preparation of a grouting procedure, delivery of binder/lubrication mix, and deployment of a skilled offshore crew led by a grouting supervisor. Compressive testing was conducted throughout the campaign in line with the client's QA/QC requirements.

## CUSTOMER BENEFITS

The offshore grouting operation was completed safely, efficiently, and on schedule. All deliverables were achieved to the client's satisfaction, supported by Sika's experienced team and high-performance grout.

SikaGrout®-9610's superior flow characteristics and rapid early strength contributed to the successful installation of the ELM-16 jacket. By minimizing vessel time and eliminating delays, Sika helped ensure a smooth project handover for the client.

**BUILDING TRUST**

