



# SIKA AT WORK

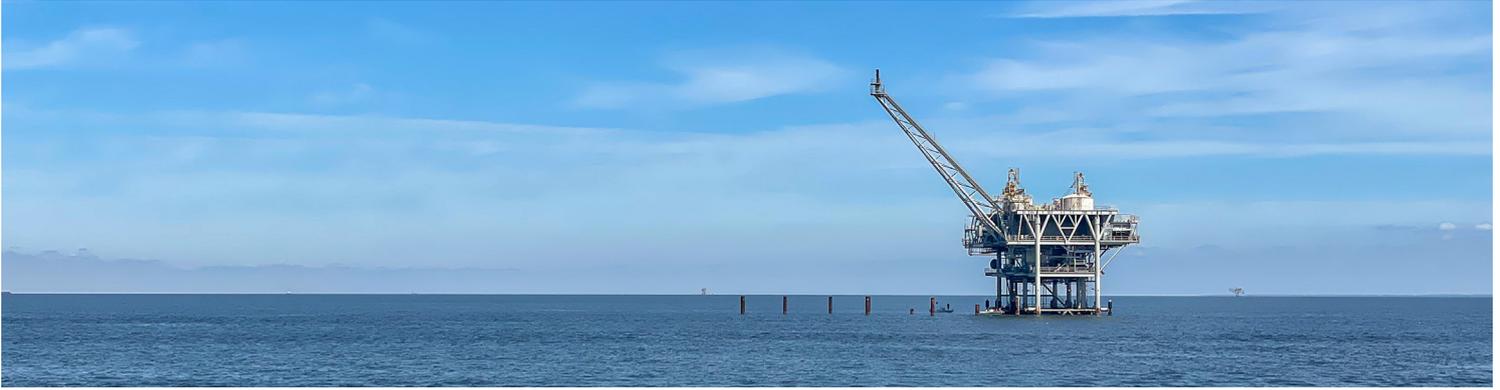
## GROUTING INSTALLATION OF 2 SKIRT PILES AT KAX-1 SUBSEA STRUCTURE, MEXICO

OFFSHORE & MARINE CONSTRUCTION  
CONVENTIONAL ENERGY

BUILDING TRUST



# GROUTING INSTALLATION OF 2 SKIRT PILES AT KAX-1 SUBSEA STRUCTURE



For illustration purposes only. Images are not from the actual project.

## PROJECT DESCRIPTION

In June–July 2018, Sika was contracted to execute offshore high-performance cementitious (HPC) skirt pile grouting works at the KAX-1 subsea structure in the Gulf of Mexico. The project involved the installation and grouting of two skirt piles to secure an additional subsea structure to an existing offshore asset, supporting continued platform functionality.

Sika was engaged by Servicios Marítimos de Campeche, S.A. de C.V. to deliver offshore grouting installation services on behalf of PEMEX. The works were carried out in approximately 50 meters of water depth under offshore operating conditions.

Project name: Grouting Installation of 2 Skirt Piles at Kax-1 Subsea Structure, Mexico  
Location: Offshore Gulf of Mexico, Mexico  
Year: 2018  
Contractor: Servicios Marítimos de Campeche, S.A. de C.V.  
Customer: Petróleos Mexicanos (PEMEX)  
Application: Jacket installation  
Product: SikaGrout®-9110

## PROJECT REQUIREMENTS

The project required the reliable grouting of two skirt piles to ensure structural continuity between the new subsea structure and the existing installation. The grouting solution needed to deliver controlled placement, high early and long-term strength, and dependable performance under offshore exposure conditions.

Key challenges included offshore execution at depth, strict safety requirements, and the need for contingency planning to manage potential installation risks. The scope demanded experienced offshore personnel, dedicated grouting equipment, and a robust procedure capable of addressing unforeseen execution constraints.

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 and installed SikaGrout®-9110, a high-performance cementitious grout engineered for offshore structural grouting applications. The material was selected for its excellent flow characteristics, strength development, and suitability for skirt pile grouting in subsea environments.

The scope of work included the provision of offshore grouting equipment, consumables, and a dedicated grouting spread, together with qualified offshore grouting personnel. Sika executed the supply and injection of grout into both skirt piles, ensuring complete filling and controlled placement to meet structural performance requirements.

Through detailed planning and adaptive offshore procedures, Sika implemented contingency measures that allowed the works to progress safely and efficiently, even under elevated operational risk.

## CUSTOMER BENEFITS

All project requirements were successfully achieved, with the grouting works completed to a high standard and accepted by the client. The application of Sika's HPC grouting technology, combined with an experienced offshore execution team, enabled effective risk management and reliable installation under challenging conditions.

By delivering a robust technical solution and maintaining operational flexibility offshore, Sika supported the successful completion of a high-risk grouting operation, providing the client with a secure and efficient means of finalizing the subsea installation.

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