



# SIKA AT WORK

## JACKET GROUTING & EPCI OF WELLHEAD PLATFORMS, ZAWTIKA DEVELOPMENT PROJECT PHASE 1C, MYANMAR

OFFSHORE & MARINE CONSTRUCTION  
CONVENTIONAL ENERGY

BUILDING TRUST



# JACKET GROUTING & EPCI OF WELLHEAD PLATFORMS, MYANMAR



## PROJECT DESCRIPTION

The Zawtika Development Project is a major offshore gas field development located in the Gulf of Moattama, Myanmar. Phase C of the project involved the installation of multiple offshore jackets and a wellhead platform, together with associated pipelines and tie-ins, executed in water depths ranging from approximately 120 to 160 meters.

In 2018, Sika was engaged to provide offshore grouting services supporting jacket installation and pipeline integrity works across two offshore campaigns. The scope included jacket skirt pile grouting, freespan correction for subsea pipelines, and full offshore grouting support for the installation works, delivered in a greenfield environment under demanding offshore conditions.

The development covers Block M9 and a portion of Block M11 and is operated on behalf of the field owners by PTTEP International Limited, with ownership by Myanmar Oil & Gas Enterprise.

Project name: Jacket Grouting & EPCI of Wellhead Platforms, Zawtika Development Project Phase 1C, Myanmar  
Location: Gulf of Moattama, Zawtika Field, Myanmar  
Year: 2018  
Contractor: PTTEP International Limited  
Customer: Myanmar Oil & Gas Enterprise  
Application: Jacket installation  
Product: OPC Grout

## PROJECT REQUIREMENTS

The offshore scope required the reliable execution of jacket skirt pile grouting and pipeline freespan correction across multiple structures and campaigns. All activities had to be performed in deepwater conditions with strict requirements for quality control, documentation, and offshore safety.

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.

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Key challenges included managing high-volume grouting operations offshore, ensuring consistent grout quality during continuous 24-hour operations, and supporting multiple jackets and pipeline sections across separate installation phases. The project also required comprehensive QA/QC processes, including on-site material testing and third-party verification, to meet operator and regulatory requirements.

## SIKA SOLUTIONS

Sika delivered a complete offshore grouting solution encompassing materials supply, equipment mobilization, technical personnel, and project management. OPC Type II cement was supplied and installed using dedicated offshore grouting spreads, supported by backup systems and consumables to ensure operational continuity.

The offshore scope included the mobilization of grouting equipment, hoses, fittings, valves, connectors, and tooling, together with a mobile offshore laboratory for cube sampling and on-site compressive strength testing. Batch mixing systems were deployed to ensure consistent grout quality while maintaining high output rates suitable for large-volume offshore installations.

Sika provided front-end engineering documentation, including detailed grouting procedures, and managed full offshore execution through experienced supervisors, laboratory technicians, and offshore grouting technicians operating on a 24-hour basis. Jacket skirt pile grouting was completed for multiple structures across two offshore campaigns, alongside freespan correction works for subsea pipelines IP8, IP9, and IP10.

## CUSTOMER BENEFITS

Sika's integrated offshore grouting approach ensured consistent quality, high productivity, and full traceability throughout the installation campaign. Batch mixing systems delivered reliable grout performance, while flexible offshore spreads allowed output rates to be matched to structural configuration and installation demands.

Comprehensive quality monitoring – which included grout volume tracking, temperature, density, pumping pressure, and systematic cube testing – provided full assurance of grouting performance. Detailed daily operation reports and final close-out documentation supported transparent project delivery and long-term asset integrity.

By combining proven offshore equipment, experienced personnel, and rigorous QA/QC processes, Sika supported the safe and efficient installation of critical offshore structures.

