



SIKA AT WORK

BROOKE DOCKYARD & ENGINEERING WORKS - JACKET INSTALLATION GROUTING AND PILE JETTING

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



BROOKE DOCKYARD & ENGINEERING WORKS – JACKET INSTALLATION GROUTING AND PILE JETTING



PROJECT DESCRIPTION

In 2019, Sika was engaged to deliver offshore grouting and pile jetting services for the installation of multiple jacket structures at the Bokor Field, offshore Sarawak, Malaysia. The greenfield development involved the installation of three four-legged jackets, requiring precise execution of pile-to-sleeve grouting in combination with ultra-high-pressure (UHP) pile jetting operations.

Sika was contracted by Brooke Dockyard & Engineering Works Corporation (BDEWC), working in collaboration with Hilong Group, to support the offshore installation works in approximately 69 meters of water depth.

Project name: Brooke Dockyard & Engineering Works - Jacket Installation Grouting and Pile Jetting
Location: Offshore Sarawak, Malaysia
Year: 2019
Contractor: Brooke Dockyard & Engineering Works Corporation (BDEWC)
Application: Jacket installation
Product: SikaGrout®-9610

PROJECT REQUIREMENTS

The project required the secure grouting of main piles to jacket sleeve connections for three jacket structures, alongside pile jetting services to support installation tolerances and load transfer requirements.

In addition to offshore execution, the scope included engineering consultancy services for grout line routing and inlet positioning to optimize grout placement efficiency and reliability. The works had to be delivered within a tight offshore execution window while coordinating closely with multiple contractors operating concurrently on site.

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 provided engineering consultancy to support grout line design and inlet location, ensuring efficient grout delivery and controlled placement during offshore operations. Specialist pile jetting equipment was supplied and deployed alongside dedicated offshore grouting spreads to support combined grouting and jetting activities.

Sika supplied all required grouting materials and experienced offshore personnel to execute pile-to-sleeve grouting for all three four-legged jackets. Proven offshore equipment and established procedures enabled consistent grout quality and reliable execution under demanding operational conditions.

Close coordination with the client's offshore focal points ensured alignment with the overall installation schedule and effective interface management with other contractors on site.

CUSTOMER BENEFITS

Despite the complexity of the offshore environment and the need for close coordination across multiple work fronts, the project was delivered safely, efficiently, and in line with the required schedule.

Sika's experienced offshore team, combined with reliable equipment and detailed execution planning, ensured high-quality grouting and pile jetting performance across all jacket installations. The integrated engineering and execution approach minimized delays and supported smooth offshore operations during a compressed execution window.

