



SIKA AT WORK

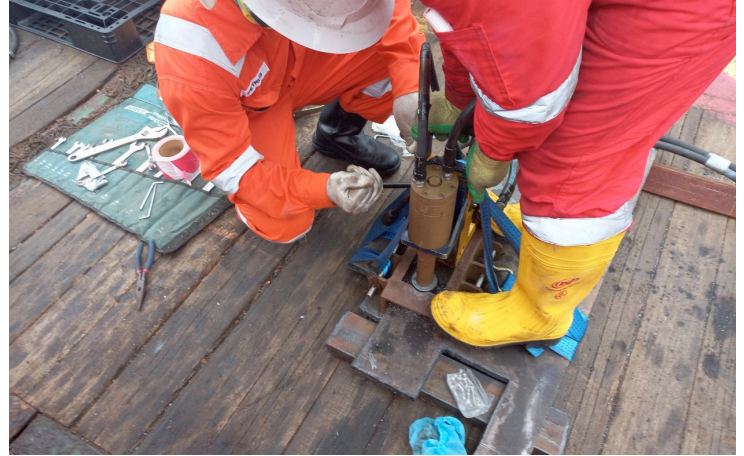
BEKOK OILFIELD – B, JACKET LEG GROUTING, MALAYSIA

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



BEKOK OILFIELD – B, JACKET LEG GROUTING, MALAYSIA



PROJECT DESCRIPTION

Sika was engaged by Petronas via a local contractor to supply grout materials, drilling systems and grouting services for the Bekok-B Jacket leg grouting project. This remote wellhead platform, formally known as BEKOK-BRAVO, is located in the PM-9 Field, Offshore Terengganu, Malaysia, at a water depth of 70 meters.

Project name: Bekok – B Jacket Leg Grouting
Location: PM-9 Field, Offshore Terengganu, Malaysia
Year: 2022
Application: Structural strengthening
Product: SikaGrout®-9850

PROJECT REQUIREMENTS

Sika's scope of work included preparing a detailed grouting procedure and the necessary project documentation for the grouting operations. This involved supplying 56 MT of SikaGrout®-9850 and lubrication mix, providing a team of ten certified grouting personnel for 24-hour operations, and delivering specialized grouting equipment such as hoses, couplings, inlet assemblies, drilling tools, hydraulic power packs and drill bits. Additionally, a mobile testing laboratory was deployed to perform 24-hour compressive strength testing.

SIKA SOLUTIONS

Sika provided a tailored grouting solution to address the complex challenges of the Bekok-B Jacket leg repair. The team used SikaGrout®-9850 to repair two legs (B1 & B2), thereby restoring the structural integrity of the platform along with an experienced crew to ensure seamless execution. On-site quality control testing and laboratory analyses validated the grouting process, delivering a robust repair that restored the platform's structural integrity.

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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CUSTOMER BENEFITS

- The grouting team adapted effectively to unexpected site conditions, successfully meeting all project deliverables. The narrow annulus was fully grouted from bottom to top with high-strength grout, ensuring the platform's stability and durability.
- By using Sika's cold works solution, the client achieved significant cost savings compared to traditional hot works methods. The cold works approach also ensured uninterrupted daily operations on the platform.
- Additionally, the structural integrity of the jacket was restored, mitigating the risk of costly delays, as the jacket supports a critical delivery line to BLNG.
- SikaGrout®-9850, a high-performance grout, is renowned for its application in jacket installations worldwide, including in the North Oil Field and multiple Petronas fields. This fast-curing grout achieves compressive strengths of up to 55 MPa within 24 hours, with excellent flow retention properties to accommodate elevated temperatures commonly experienced in Malaysia.