



SIKA AT WORK

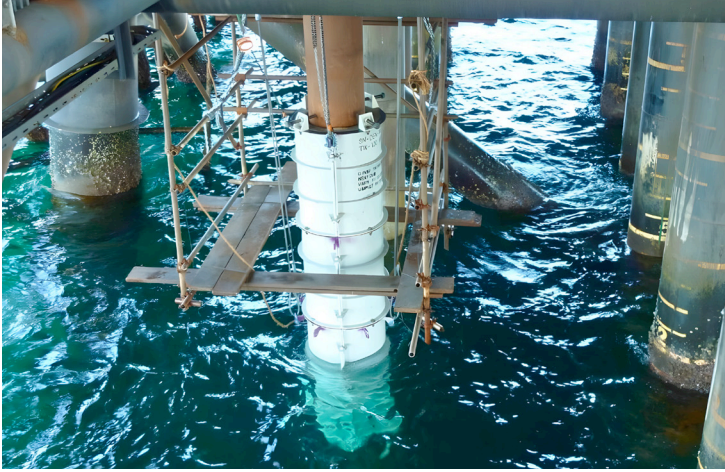
MM-17 WELL CONDUCTOR REPAIR, OFFSHORE BRUNEI

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



MM-17 WELL CONDUCTOR REPAIR, OFFSHORE BRUNEI



PROJECT DESCRIPTION

In October 2012, Brunei Shell Petroleum engaged Sika to carry out well integrity services on the MM-17 well conductor, located on the MMDP-01 platform offshore Brunei. The 24-inch conductor, located in the splash zone, exhibited external corrosion and required structural reinforcement and protection.

The repair involved installation of an external clamp followed by infill grouting using high-performance materials, all conducted without diver intervention. The work formed part of BSP's broader strategy to ensure long-term integrity across its offshore well stock.

Project name: MM-17 Well Conductor Repair BSP
Client: Brunei Shell Petroleum
Location: MMDP-01 Platform, Offshore Brunei
Year: 2012
Application: Well integrity
Product: Ultra-High Performance Grout

PROJECT REQUIREMENTS

The conductor had experienced localized corrosion in the splash zone, raising concerns about ongoing exposure and structural capacity. A fast, diver-free repair solution was needed to encapsulate and strengthen the conductor in-situ without the need for hot work or extended downtime.

Sika was tasked with designing, supplying, and installing a custom clamp system and delivering a high-strength, quick-curing grout suitable for offshore repair conditions.

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 3 metric tons of ultra-high-performance cementitious grout, specially selected for its rapid strength gain and excellent bonding properties in splash zone environments. A bespoke external clamp was designed by Sika's engineering team, incorporating a tailored opening and closing mechanism that allowed installation without diver support.

Scaffolding was erected from the platform to access the repair area, enabling clamp installation at approximately 2 meters below mean sea level. Prior to grouting, marine growth was removed to ensure clean bonding surfaces. The annular space between the clamp and conductor was then grouted from 2 meters below to 2 meters above MSL to fully encapsulate the corrosion zone.

The grout achieved approximately 50% of its long-term strength within 24 hours, allowing the clamp to be safely removed the next day and minimizing offshore duration.

CUSTOMER BENEFITS

The use of a fast-setting UHPC material and a purpose-designed clamp enabled BSP to restore structural integrity in a short timeframe without shutting down operations or deploying divers. The cold-work solution offered a reliable and cost-effective alternative to traditional conductor replacement or welded repairs.

Sika's engineered approach ensured a safe, durable outcome while reducing offshore complexity and equipment footprint, demonstrating the value of UHPC-based conductor repair strategies for asset life extension.

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