



SIKA AT WORK

WELL INTEGRITY SERVICES, BSP 2015 CAMPAIGN, BRUNEI

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



WELL INTEGRITY SERVICES, BSP 2015 CAMPAIGN, BRUNEI



PROJECT DESCRIPTION

As part of its long-term asset life extension program, Brunei Shell Petroleum (BSP) commissioned Sika to provide well integrity services for a large number of ageing wells identified through routine offshore inspections. The 2015 phase of the multi-year campaign aimed to strengthen the structural capacity of corroded conductors and prevent further degradation using advanced grouting solutions.

During the March-October 2015 Campaign, structural reinstatement was successfully completed on 49 wells across BSP's offshore assets.

Project name: Well Integrity Services, BSP 2015 Campaign
Client: Brunei Shell Petroleum
Location: Offshore Brunei
Year: 2015
Application: Well integrity
Product: UHPC grout

PROJECT REQUIREMENTS

Well inspections revealed widespread corrosion between the surface casing and conductor on multiple wells. To maintain well integrity and avoid production losses, the client required a cost-effective, long-term repair solution that could be executed without interrupting operations or requiring hot work permits.

The chosen method needed to deliver high bond strength, zero shrinkage and long-term corrosion protection – all under dynamic offshore conditions and within a narrow seasonal work window.

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 ultra-high-performance cementitious (UHPC) materials and provided offshore cleaning and grouting services supported by a compact, zone 2 rated equipment spread. Prior to grouting, the existing deteriorated cement was removed using a 3-in-1 cleaning system combining a hydraulic jack hammer, high-pressure water jet, and self-contained power supply.

The annular space between the surface casing and the conductor was then grouted with UHPC to stop oxygen ingress and restore structural continuity. The material's excellent bonding properties created a dense, impermeable seal that halted the corrosion process and reinforced the conductor assembly.

All operations were performed without the need for hot work permits, ensuring safety and compliance while minimizing the footprint of offshore operations.

CUSTOMER BENEFITS

The use of UHPC grout provided a permanent corrosion barrier and significantly enhanced the structural performance of each well. The cleaning and grouting method was fast, reliable and non-disruptive, requiring no shutdowns and no hot work.

Sika's compact cleaning system reduced the number of equipment lifts and simplified deck logistics, while the zero-shrinkage UHPC material delivered durable results in a highly efficient manner. By helping BSP restore well integrity across 49 wells in one season, the campaign supported the long-term sustainability of offshore operations and reduced the risk of future intervention costs.