



SIKA AT WORK

PROVISION OF PILE GROUTING SERVICES FOR GALLAF PROJECT, QATAR

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



PROVISION OF PILE GROUTING SERVICES FOR GALLAF PROJECT, QATAR



PROJECT DESCRIPTION

In October–November 2019, Sika delivered subsea pile grouting services for the Gallaf Project at the Al-Shaheen Oilfield (North Field), offshore Qatar. The greenfield development involved the installation of three subsea jackets, requiring high-volume, high-performance grouting works executed at water depths of approximately 60 to 67 meters.

Sika was contracted by Sapura Offshore Sdn Bhd to supply grouting materials, specialist equipment, and experienced offshore personnel for the subsea installation campaign. The scope covered pile grouting for multiple jacket legs across the EG, FC, and DC structures.

Project name: Provision of Pile Grouting Services for Gallaf Project, Qatar
Location: Al-Shaheen Oilfield (North Field), Qatar
Year: 2019
Contractor: Sapura Offshore Sdn Bhd
Application: Jacket installation
Product: SikaGrout®-9610

PROJECT REQUIREMENTS

The project required the reliable subsea grouting of jacket piles for three structures, involving large grout volumes and demanding production rates. The grouting solution had to deliver consistent quality, high early strength, and controlled placement to support tight installation schedules and minimize offshore vessel time.

In addition, the works had to be executed using equipment configurations that minimized deck space requirements, allowing simultaneous offshore operations to proceed safely and efficiently.

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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SIKA SOLUTIONS

Sika supplied more than 500 metric tons of SikaGrout®-9610 high-performance cementitious grout and delivered complete subsea grouting installation services for all jacket structures. Batch mixing systems were deployed to ensure consistent grout quality and reliable performance throughout the high-volume operation. Subsea grouting was carried out for the following jacket legs: Jacket EG: Legs A1, A2, B1, B2;

Jacket FC: Legs A1, A2, B1, B2; and Jacket DC: Legs A1, A2, B1, B2. The selected grouting solution achieved compressive strengths in excess of 30 MPa within 24 hours, enabling early stabbing of topside structures and reducing offshore vessel standby time. High output rates exceeding 18 metric tons per hour were consistently achieved, supporting efficient project execution.

A compact grouting spread configuration, operating without silos, was utilized to minimize deck space requirements and facilitate parallel offshore activities.

CUSTOMER BENEFITS

Sika's batch-mixed grouting system ensured high consistency and quality across a large-scale subsea grouting campaign, reducing variability and execution risk. Rapid early strength development enabled faster progression of installation activities, delivering tangible schedule and cost benefits.

The use of a small-footprint grouting spread maximized available deck space, supporting efficient coordination with other offshore operations. Through reliable equipment, experienced personnel, and high-output grouting capability, Sika successfully supported the timely installation of multiple subsea jackets for the Gallaf Project.