



Type of project:

Grouting Services for Installation of Jacket Structures

Location:

Bakau field off the coast of Miri, East Malaysia

Materials:

84 Mt NaX® Q80

Client:

Petronas Carigali Sdn Bhd

Project date:

April 2021

**BKD-A PLATFORM-NAUTEC
GROUT SUPPLY & GROUTING
SERVICES FOR INSTALLATION
OF JACKET STRUCTURES**

DISCIPLINES:

- Offshore oil & gas services
- Jacket installation services
- UHPC grouting

PROJECT SCOPE

- Grouting of main piles of a 4-legged, conductor supported platform using NaX® Q80 High Performance Cement. The jacket structure itself weighs 490 Mt and it will support a 690 Mt topside.

SERVICES

- Supply and delivery of 84 Mt NaX® Q80
- Subsea grouting of 4-legged, conductor supported platform main piles at 52 m water depth
- Provision of offshore crew and equipment required for grouting
- Conduct lab based compressive tests of grout cubes

PROJECT PERFORMANCE

- High performance of grouting equipment without any failure during operation.
- The client was very satisfied with the short-term strength development cube results and they were able to proceed with the topside installation.
- Nautec's competent crew performed well during equipment preparation and grouting operation.
- The rapid strength developing and shrinkage compensated NaX® Q80 HPC product, which was used for the grouting operation ensured on time installation of top side after grouting.

