



# SIKA AT WORK

## PILE GROUTING FOR THE MARINE XII CONGO LNG PROJECT, POINTE-NOIRE, CONGO

MATERIAL SUPPLY  
EQUIPMENT RENTAL  
PILE GROUTING  
QC LAB AND TESTING

BUILDING TRUST



# PILE GROUTING FOR THE MARINE XII CONGO LNG PROJECT



## PROJECT DESCRIPTION

Twenty kilometers off the coast of Pointe-Noire in the Republic of Congo, in water depths ranging from 15 to 20m, Sika carried out its first project for ENI Congo. The works included:

- Grouting seventeen anchor mooring piles and one structural single pile
- Preparation of the grouting procedure and supporting project documentation.
- Provision of mixing and pumping equipment, grout hoses, valves, and other relevant installation equipment necessary for the grouting work.
- Provision of a mobile laboratory, a toolbox container and 7 offshore crew members, including a grouting supervisor/engineer and lab team.

Project name: Marine XII Congo LNG Project

Location: Pointe-Noire, Congo

Year: 2023/2024

Key market: Energy (LNG)

## SIKA SOLUTIONS

Sika provided 685 MT highly flowable SikaGrout® -9610 UHPC material and 10 MT SikaGrout® -9010 binder, which was applied over the course of 17 days. Compressive testing was carried out at the offshore mobile laboratory on day 1-, 3-, and 7. The 28-day test and any outstanding cube tests, which were not completed at the time the pile installation was finished, were tested in a third-party certified lab.

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## JOB SCOPE

The scope of work for the grouting program included:

- Preparation of the grouting procedure and supporting project documentation for grouting.
- Supply and delivery of SikaGrout® UHPC materials and lubrication mix.
- Provision of mixing and pumping equipment, laboratory and toolbox container.
- Provision of grout hoses, valves, and other relevant installation equipment necessary for the grouting work.
- Provision of a calibrated and fully stocked mobile offshore laboratory.
- Provision of offshore grouting supervisors and lab team.

The client provided 3 big bag operators and riggers for 24-hour coverage to support the grouting operations. The final close out report (COR) containing all relevant QA/QC documents were submitted to the client upon completion of the programme.

The COR includes the following:

- Onsite quality monitoring reports
- Daily reports summarizing the grouting work, progress, and total consumption of grout.
- Post-grouting cube compressive strength test results, completed in certified lab.
- Certificates of completion for grout filling.
- Equipment function testing certification.

## PROJECT PARTICIPANTS

Project owner: Sapura Energy / ENI Congo S.A.

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.



**SIKA SERVICES AG**  
Tueffenwies 16  
CH-8048 Zurich  
Switzerland

**Contact**  
Phone +41 58 436 40 40  
www.sika.com

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