



SIKA AT WORK

EWG-A TUBULAR BRACE GROUTING PROJECT, KINARUT WEST

OFFSHORE & MARINE CONSTRUCTION
CONVENTIONAL ENERGY

BUILDING TRUST



EWG-A TUBULAR BRACE GROUTING PROJECT, KINARUT WEST



PROJECT DESCRIPTION

As part of structural repair and reinforcement work on the EWG-A Platform in Kinarut West, Sabah, Malaysia, Sika was contracted to perform infill grouting on a tubular member located on the cellar deck. This high-precision operation was carried out in January 2021 for Layun Enterprise Sdn Bhd.

The project required an ultra-high-performance cementitious grout (UHPC) to achieve both strong bonding and rapid strength gain under limited access conditions. A single tubular brace was grouted using SikaGrout®-9610, with all work conducted offshore using a compact and efficient grouting setup.

Project name: EWG-A Tubular Brace Grouting Project
Location: Sabah, East Malaysia
Year: 2021
Application: Repair and maintenance
Product: SikaGrout®-9610

PROJECT REQUIREMENTS

The primary requirement was to strengthen a critical tubular member using a high-strength, flowable grout without disrupting platform operations or requiring hot work. Due to site constraints, only the top section of the member was accessible, while the rest was covered. The grouting operation had to be executed from inside the platform's electrical room, demanding precise hose routing and careful logistical planning.

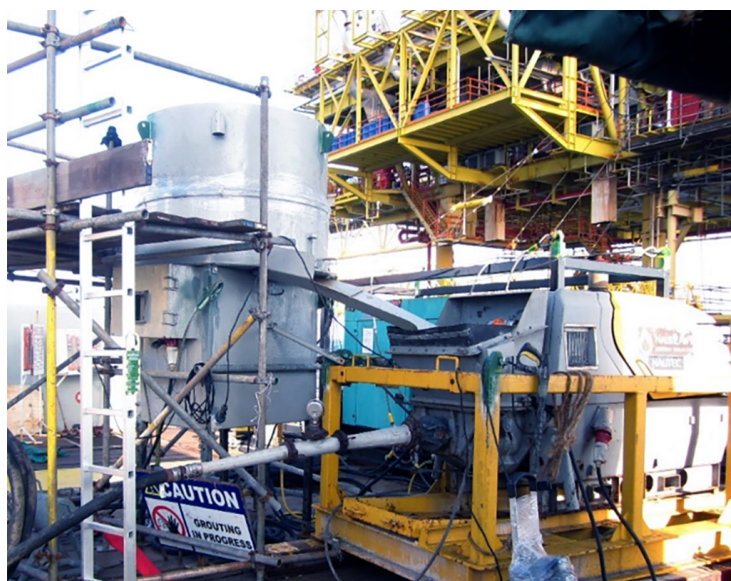
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SIKA SOLUTIONS

Sika supplied 2 metric tons of SikaGrout®-9610 and delivered a complete grouting package including equipment, offshore crew, and technical supervision. The grouting spread was designed for minimal deck footprint and maximum flexibility, using just one pump and one mixer.

The spread was set up on the deck of the Pacific Intrepid stern, with grout inlet, outlet, and vent hoses routed from the top of the tubular member through the cellar deck, along the gangway, and down to sea level. This setup allowed grouting to be performed safely and efficiently from the limited-access electrical room.

SikaGrout®-9610 was selected for its excellent flowability, which ensured full penetration and bonding within the member. Its rapid strength development allowed the structure to regain capacity quickly, reaching over 60% of long-term strength within 24 hours.

CUSTOMER BENEFITS

By using a tailored grouting procedure and compact equipment spread, Sika enabled structural strengthening without the need for invasive repairs or extensive deck space. The approach minimized disruption and downtime while delivering rapid structural performance recovery. The client benefited from a reliable, high-strength solution in a challenging offshore environment.