

Case Study

Installation of Helicoid Epoxy Sleeve[®]

Type of Work

Conductor Repair
Services

Location

Gulf Of Guinea

Client

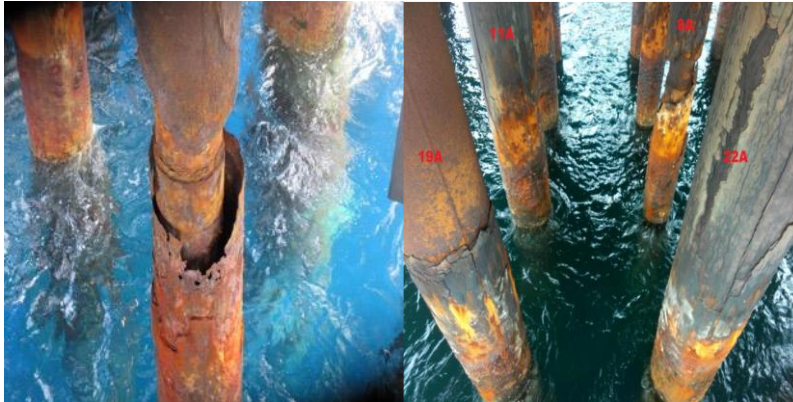
ExxonMobil Nigeria

Platform

YOHO-A

Project Completed

June 2024



CONDUCTOR REPAIR

Background:

In June 2024, Merit Technologies Sdn Bhd with WEAfri Well Services Company Ltd to undertake one (1) numbers of 20-Inch parted conductor and six (6) numbers of heavily corroded conductors for repair, strengthening and protection with a total 6m of repair length. Due to heavy corrosion, one of the conductors was parted, and MTSB managed to connect and protect this particular riser successfully.

Scope:

- To perform Surface Preparation via High Pressure Water Jetting removing the thick rust and marine growth.
- Leak Containment (on Parted Conductor) using custom metal clamp fabricated by MTSB prior to winding of Helicoid Epoxy Sleeve
- To perform winding of HDPE sleeve with carbon fibre structural reinforcements.
- To perform mixing and injection of epoxy grout for the Helicoid sleeve.

Client Benefit:

- Conductor repair using Helicoid Epoxy Sleeve system at splash zone provides cost effective and efficient solution especially on the parted conductor. Conventionally it would have required a cut and replace method, which would have required platform shutdown which our solution managed to avoid.

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Surface Preparation



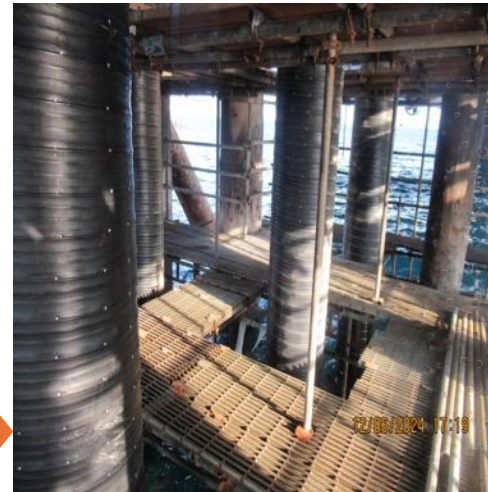
Leak Containment



Original Condition



Winding HDPE



Completed Installation

CONDUCTOR REPAIR

merit

merit