

Developing Local Expertise in West Africa

EM&I and Stark Energy Elevate Local Content and Knowledge Transfer through On-the-Job Training (OJT) on FPSOs in Angola and Côte d'Ivoire.



The enduring partnership between EM&I and Stark Energy is evolving with a commitment to deepen local content through a comprehensive initiative. This initiative is focused on asset integrity management services (AIMS), Inspection and Rescue services onboard FPSOs offshore Angola and Côte d'Ivoire. This collaborative venture exhibits EM&I and Stark Energy's dedication to ensuring that their staff are adequately trained, maintain the highest safety standards, and meet or exceed all compliance requirements.

EM&I's Neil C. Woodcock was recently in Ghana to reinforce the EM&I / Stark Energy Channel Partnership which is now fully approved and certified with the Petroleum Commission (PC) of Ghana.

On-the-Job Training of Stark Energy Certified Engineers

As part of this strategic partnership, EM&I is intensifying its efforts to deepen local content by providing OJT to certified engineers from Stark Energy. This initiative aims to transfer knowledge and skills as well as foster the growth of local talent in the AIMS sector. Two Stark Engineers have so far been offshore with EM&I teams

receiving OJT and offshore experience and two more are planned to join the EM&I/Stark offshore teams in the near future.

A Comprehensive Approach to Asset Integrity and Rescue Services

Embarking on a journey marked by excellence, the collaborative project in Angola incorporates four seamlessly integrated phases. Executed concurrently and adaptable to client operational schedules, these phases include remotely operated vehicle (ROV) UWILD services, EM&I's ODIN® underwater techniques and alternative inspection, NDT Inspection for structural integrity, and valve and sea chest isolations featuring cutting-edge technologies such as LIMPET® and bladder plug systems. In Côte d'Ivoire our team provides routine Non-Destructive Testing (NDT) and exclusive standby rescue services. Stark's UAV pilots may also form part of our collaboration.

EM&I's state-of-the-art integrity class ROVs are deployed for comprehensive underwater inspections, ensuring critical subsea assets' integrity without the need for diver intervention, or drydocking. This approach minimises downtime, optimises

safety and Persons on Board (POB) related concerns whilst aligning with projects efficiency goals. The integration of cutting-edge technologies like LIMPET sea chest isolations further enhance maintenance activities within the vessel below sea level by mitigating the risk of flooding, streamlining processes, and improving safety.

ODIN inspections employ advanced technology to enhance efficiency and ease during valve integrity checks. This unique methodology allows visualisation and function tests of valves without the need to split flanges, contributing to a holistic understanding of the asset's condition. Alternative inspection methods are also employed to ensure a thorough examination of critical components in areas with limited accessibility, highlighting our commitment to excellence.

Within this scope, the team was tasked with comprehensive NDT inspection of various vessel assets. With experienced technicians utilising advanced techniques, potential defects or abnormalities were adequately identified and captured. This

thorough examination prioritises safety, efficiency, and data quality, providing valuable insights into the condition of key components.

Due to EM&I and Stark Energy commitment to safety, detail, and excellence the combined team has been offshore in Côte d'Ivoire with our skilled personnel providing 24hr standby rescue services and routine NDT inspection services onboard the vessel.

Setting a Benchmark for Industry Excellence

This joint effort not only seeks to enhance asset integrity but also establishes a benchmark for the industry, demonstrating the convergence of safety, operational excellence, and technological innovation. As EM&I and Stark Energy continue their collaborative journey, the focus on local content development and knowledge transfer within the ECOWAS / West African regions ensures a sustainable impact on local economies as well as EM&I's and Stark Energy's growth.



L to R: Caleb Coleman (Process Engineer), Theophilus Dadzie (Electrical & Instrumentation Engineer), Sandra Odame (Petro chemical Engineer), Neil Woodcock, Papa Benin, Afia Safoa (Process Engineer) and Kenneth Addy-Lamprey (ODIN Trainee)