



# Subsea & Energy Brazil Magazine

## Small yet Powerful

Driven by the oil and gas industry, startups accelerate innovation in the subsea sector

### HOT INTERVIEW

**John Macleod**, Vice President of Strategy & Technology for OneSubsea

### OPINION

**José Mauro Coelho and Guilherme Mercês**, partners at AURUM TANK



# 35 YEARS OF INNOVATIVE INTEGRITY SOLUTIONS

EM&I provides world-leading Asset Integrity Management, Inspection and specialised Repair & Maintenance services to the Oil, Gas, Drilling and Renewable Energy Industries.

The company has over 35 years of experience as a leader in innovative, class accepted integrity services using pioneering methods that reduce safety and operational risk while reducing costs.

## SERVICES FOCUS ON:

- FPSOs
- FSRUs
- FLNG
- MODUs
- FOW
- Refineries

## DISRUPTIVE INNOVATIONS

### I ODIN® – Diverless Underwater Inspections & Maintenance

ODIN® transforms underwater inspection & repair of hulls, sea chests and sea valves by eliminating the need for divers. This innovative approach enhances safety, reduces costs, and minimises operational disruptions.

EM&I were first to remotely control their integrity class ROVs from onshore, another step on our road map to fully autonomous diverless services.

### NoMan® – Remote Inspection Technology

NoMan® is a step change from traditional methods for inspection of confined spaces, by entirely avoiding human entry. EM&I created NoMan in response to industry needs and uses a combination of robotic cameras, lasers and UAVs to inspect tanks and pressure vessels to class requirements.



## **ANALYSE™ – Using data to save costs**

ANALYSE is proven to successfully use historical inspection data to predict failures and reduce future inspection scopes by up to 50% on pressure systems. Reduces cost, time and safety risk.

## **FlareSafe™ – Flare System Integrity**

Flare tip inspection, repair and replacement is time-critical, especially during shutdowns. EM&I's specialised equipment and methods to ensure work is carried out on time and on budget safely whether by helicopter or rigging methods.

## **HullGuard™ Corrosion Protection**

ICCP systems can fail, and sacrificial anodes can deplete long before the end of the asset life cycle. Diverless maintenance is

expensive, risky and costly, EM&I developed HullGuard and JAWS to maintain corrosion protection without divers.

## **ExPert Ex equipment Integrity**

ExPert enables rapid remote inspection of Ex equipment without working at height or shutting down electrical or control systems.

ExPert is a safer, faster, low POB, method of assuring integrity and compliance.

## **Pressure Systems Integrity - ANALYSE**

EM&I uses advanced RBI and data analysis to deliver pressure system integrity from baseline to decommissioning. Proven on more than 20 assets over many years, to reduce work scopes by over 50% while ensuring system safety and compliance of critical pressure systems.

## ***Safety, Quality & Value.***

