



## FLNG Integrity Services 'No Drydock....Safely'

### The Challenge

FLNG assets are complex and costly and are designed for long operational lives on station without having to drydock. Ensuring safe operations whilst avoiding unplanned drydocking poses challenges for FLNG Operators.

### The Solution

EM&I's unparalleled marine, offshore and LNG experience has resulted in a unique range of services designed to keep FLNG assets on station and in production, safely, for extended periods.

### The Benefits

These services focus on ensuring that critical remains fit-for-service and compliant with Class, regulator and corporate requirements.

Innovative methodologies and tools enable us to provide NoMan<sup>®</sup> remote inspection technology for the containment and pump towers and our HullGuard<sup>™</sup> ICCP system protects the external hull without divers or ROVs.

The ODIN<sup>®</sup> system enables compliant inspections of the underwater hull, moorings and critical isolation valves without diver intervention and our RBI based Ex Equipment inspection systems minimises costs and equipment strip down.

PSI<sup>™</sup> is EM&I's cost efficient RBI integrity service for pressure systems and includes BCT (Backscatter Computed Tomography) which is our unique methodology for managing CUI and for non-intrusive inspections of piping and vessels.



EM&I's experience, global delivery capability and wide service range provides a high value, world class service.

EM&I's innovative methods help FLNG assets remain on station for extended periods and EM&I's HSE record ensures that all work is carried out to the highest safety standards.

EM&I's leadership position in the industry helps ensure that innovative technology and methods that benefit FLNG operations are accepted by Classification Societies and regulators.

### Track Record

We measure our performance through systems like FPAL and unsolicited testimonials. Our proven track record of satisfied Clients is available on our Website.

Further information is available from your nearest EM&I office who will be pleased to discuss your particular needs.

Case Histories and References, demonstrating our capabilities and Client satisfaction, are available on our Website.

### Credentials

**Health & Safety** – We assure Occupational Health & Safety through our ISO 45001 accredited Health & Safety Management System. EM&I has an outstanding HSE record and has been awarded twelve, consecutive, RoSPA Occupational Health & Safety Gold Awards including five Gold Medals and four President's Awards plus other international awards. Other safety awards include a platinum IFAP Safe Way Safety Achievement Award in Australia and the Leith Offshore Safety Award.

**Environmental** – We assure Environmental performance through our ISO 14001 accredited Environmental Management System.

**Quality** – We assure quality through our ISO 9001, ISO 17020 and ISO 17025 accredited Quality Management Systems and seek continuous improvement by measuring Client satisfaction through FPAL and regular Stewardship Reviews.

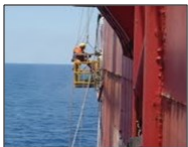
**Compliance** – EM&I's methods are approved by Classification Societies and accepted by regulators worldwide.

**Rope Access** – EM&I have been a Full Member of IRATA since its inception in the 1980s.

**HITS JIP** – EM&I have a leadership role in the Hull Inspection Techniques and Strategy (HITS) JIP whose members include Oil Majors, Classification Societies, Regulators, Lease Operators and service companies

# FLNG Integrity Services

## No Drydock...Safely



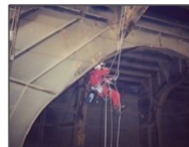
Corrosion Protection



HAE Management



Pressure System IRM



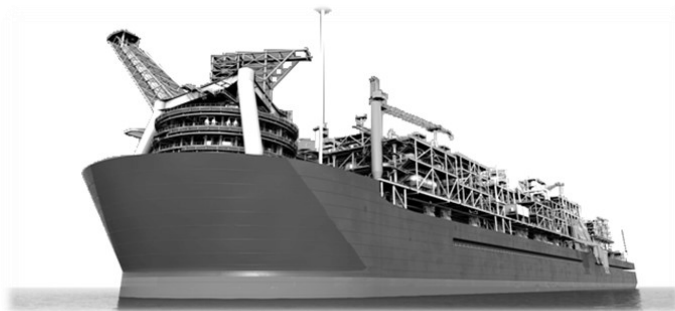
Structural Inspection



Flare IRM



Piping / Vessel R&M



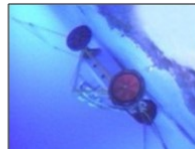
Structural R&M



Integrity / Compliance System



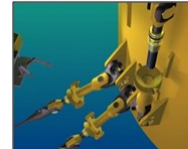
In-Water Corrosion Protection



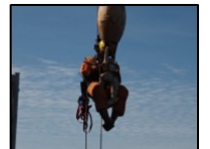
In-Water inspection



In-Water Structural R&M



Mooring



Lifting Gear

## Integrated Asset Integrity

### Integrated Services

EM&I's proven technical and project management capability means we can deliver complete projects and manage fleet-wide integrity for major lease operators and oil majors, thus letting you focus on your core business.

Our in-house service capability includes Asset Integrity Systems, Inspection, NDE, Maintenance & Repair, Corrosion Management, Cathodic Protection, Safety, Environmental and Engineering services.



Visit our Website:- [www.emialliance.com](http://www.emialliance.com)

