

# Corrosion Engineering & Corrosion Integrity Management Services by London Petrotech Engineering Ltd

London Petrotech Engineering Ltd delivers expert corrosion engineering and integrity management services from concept to operation. Our team of chartered engineers and AMPP-certified corrosion specialists supports projects across oil & gas, renewables, infrastructure, and construction sectors.

## Who We Are

London Petrotech Engineering is a specialist consultancy recognised for its technical excellence in Corrosion Engineering & Management. Our chartered experts bring deep experience in materials, corrosion science, and asset integrity, supporting complex projects across oil & gas, offshore wind, and powerplants sectors. We combine rigorous engineering practice, advanced analytical capability, and international standards to help clients safeguard critical assets and maintain long-term reliability.

## Why Choose Us



### Deep Industry Experience

Extensive corrosion and materials engineering experience across upstream, downstream, subsea, and offshore facilities, enabling accurate degradation assessment and technically sound integrity recommendations.



### Advanced Technical Competence

Chartered specialists with strong capability in corrosion modelling, materials selection, damage-mechanism evaluation, and mitigation strategies aligned with API, DNV, and NORSOK standards and industry guides for high-assurance outcomes.



### Engineering-Driven Client Focus

We tailor our work to process conditions, operating envelopes, and failure histories, delivering evidence-based engineering guidance that strengthens asset reliability and reduces lifecycle risk.



### Integrated Multidisciplinary Support

IBacked by in-house flow assurance, process, and mechanical engineering expertise, enabling fully integrated, technically robust corrosion engineering and management solutions.

## Our Corrosion Integrity Management Services

### Corrosion Engineering

- Corrosion & Erosion Rate Prediction;
- Identification of Damage Mechanisms;
- Materials Selection and Optimization;
- Develop Corrosion Inhibitor Selection and Test Protocol;
- Develop Corrosion Control Philosophy.

### Corrosion Integrity Management

- Conduct Corrosion Threat Assessment;
- Conduct POF- and COF-Based Corrosion Risk Assessment,
- Corrosion Management Program (CMP),
- Define Compliance and Performance KPIs,
- Define Corrosion Loops and Circuits;
- Support HAZOP, PHA, FMECA, MOC,
- Prepare Corrosion Control Document (CCD)

### Anti-Corrosion & Insulation Coating

- Develop coating selection philosophy
- Prepare technical specification, datasheet for painting, coating, and insulation
- Prepare coating qualification plan

### Cathodic Protection Design

- Develop cathodic protection philosophy
- Conduct SACP and ICCP Design,
- Prepare Specification and Datasheet for Anodes,
- Produce Anode Detail Drawings & GADs
- Cathodic Protection Modelling for Complex Systems.

## Contact Us



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