

Independent specialist corrosion and asset-integrity advisory for oil and gas operators, national oil companies and engineering contractors. Mohamed Suleiman Kusha, a corrosion engineer with more than 40 years across Libya, Qatar and the Netherlands, provides direct senior technical oversight on every engagement. Where field surveys, inspection or laboratory analysis are required, Ferric Advisory defines the scope, supports specialist selection and coordinates the technical inputs.

SERVICES

Assess

Establish the condition of the asset and the cause of a problem.

A1

Asset condition assessment and technical due diligence

An independent review of an asset's corrosion condition, applied to restart, acquisition and partnership decisions.

A2

Failure investigation and root-cause analysis

Leaks, ruptures and unexpected wall loss investigated to their cause, so the repair is not repeated.

A3

Independent technical review and owner's engineer

A second, operator-side opinion on designs, specifications, contractor proposals and inspection reports.

Protect

Stop metal loss with the right protection, chemistry and materials.

P1

Cathodic protection: ICCP and SACP

Design review, survey and optimisation of impressed-current and sacrificial-anode systems.

P2

Corrosion inhibition and chemical-treatment optimisation

Inhibitor programmes that are measured, not assumed, and chemical spend that can be justified.

P3

Materials selection for sour and critical service

Materials decisions for H₂S, CO₂ and other aggressive conditions, from front-end design onwards.

Manage

Keep integrity under control over the life of the asset.

M1

Corrosion management and monitoring

A corrosion strategy tied to integrity objectives, and monitoring that shows what is happening inside the asset.

M2

Pipeline integrity management and in-line inspection

Integrity programmes, inspection planning and intelligent-pigging campaigns for pipelines and facilities.

M3

RBI and asset-integrity management systems

Risk-based inspection and the management system that keeps it current.

M4

Corrosion standards, training and mentoring

Company specifications that people use, and engineers who understand why they exist.

STANDARDS REFERENCED

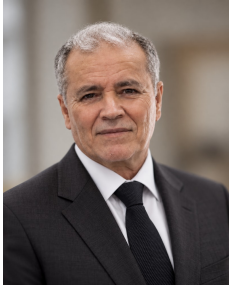
NACE MR0175 / ISO 15156
 Materials for H₂S-containing environments

ISO 21457
 Materials selection and corrosion control, oil and gas production

ASME B31.3
 Process piping

Request a
 proposal

+218 91 999 0644 (phone and WhatsApp) · enquiries@ferricadvisory.com · reply within two working days



PRINCIPAL

Mohamed Suleiman Kusha

B.Sc. Petroleum and Mining Engineering, Tripoli University, 1982 · Arabic (native), English (fluent)

Provides senior technical direction throughout each engagement, from defining the problem and reviewing the evidence to approving the final recommendations.

Aug 2003 – 2024

Senior Corrosion Engineer

Qatar Petroleum / QatarEnergy · Doha, Qatar

- Led corrosion engineering across offshore and onshore facilities, including tanks, pipelines and process units.
- Authored Qatar Petroleum's internal corrosion standards and specifications.
- Developed and maintained corrosion monitoring programmes and led the migration to real-time online monitoring.
- Contributed to the establishment of the Asset Integrity Management System (AIMS) and RBI modules.

May 2000 – Aug 2003

Chief (Principal) Corrosion Engineer, Corrosion Department Manager

Zueitina Oil Company (formerly OXY Libya) · Libya

- Managed corrosion activities across five oil and gas fields and export terminals.
- Oversaw cathodic protection, chemical treatment and internal corrosion monitoring.
- Led inspection planning and intelligent-pigging operations for major pipelines.
- Supervised a multidisciplinary team of engineers and specialists in CP, NDT and internal corrosion.

Oct 1988 – May 2000

Lead Corrosion Engineer

Zueitina Oil Company (formerly OXY Libya) · Libya

- Oversaw pipeline inspection projects, failure analysis and corrosion-treatment optimisation.
- Led feasibility studies and front-end engineering for corrosion-related projects.
- Designed corrosion-inhibition strategies, managed chemical field trials and monitored performance.
- Contributed to internal standards for corrosion control and inspection management.

Oct 1987 – Oct 1988

Design Engineer (corrosion focus), special assignment

Lummus Crest Engineering · Netherlands

- Contributed to the design of gas processing facilities, with responsibility for materials selection, corrosion monitoring and cathodic protection.

Sep 1982 – Oct 1987

Corrosion Engineer

Zueitina Oil Company · Libya

- Carried out field corrosion monitoring, inspection and treatment.
- Led in-line inspection projects and oversaw chemical treatment systems.
- Took part in front-end engineering for gas plant design with Lummus Crest.

PROFESSIONAL TRAINING

Corrosion monitoring and control systems · Cathodic protection (ICCP and SACP) · Pipeline pigging and inspection (ILI, MFL, UT) · Risk-based inspection · Downhole corrosion treatment and well-casing CP · H₂S safety and HUET · SAP, quality and environmental management

Former employers are named to describe career history only and do not endorse Ferric Advisory.