

**Hares Awad**

**Instructor**

### **Career synopsis**

Dynamic and results-driven Lead Asset Integrity Engineer with over 12 years of experience in asset management, corrosion engineering, and in-service inspection within the oil and gas sector. Proficient in delivering strategic solutions to ensure operational excellence and safety compliance. Accomplished trainer, having instructed over 1,200 professionals globally on advanced topics such as Risk-Based Inspection (RBI), Fitness-for-Service (FFS), and API standards.

#### **TRAINING PROGRAMMES:-**

- 1- API 579/ASME FFS-1 Level I&II Fitness for Service Course
- 2- Material Selection and Failure Analysis
- 3- CSWIP Welding Inspector Preparation Course (3.1) level 1&2.
- 4- QA/QC Training Course
- 5- API 571 (Corrosion and Materials course).
- 6- API 580 (Risk Based Inspection Course).
- 7- API 653 (Above-Storage Tank in-service inspection course).
- 8- API 570 (Piping in-service inspection course).
- 9- API 510 (Pressure vessel in-service inspection course).
- 10-API 577 (Welding Processes, Inspection, and Metallurgy course).
- 11-Material Selection for oil and gas application (ASTM, ASME BPVC II, API 5L) Course.
- 12-Welding Electrode Selection & Welding Metallurgy.
- 13-ASME IX (Brazing, Welding, and Brazing Qualifications). STD
- 14-ASME V (Nondestructive Examination). STD
- 15-AWS D1.1 (Structural steel welding and welder qualifications). STD
- 16-ASME Process Piping, Valves, Flanges & Fitting Standards
- 17-ASNT Level II for Visual Testing (VT)& Ultrasonic Testing (UT)& Radiograph Testing (RT)& Magnetic Particle Testing (MT)& Liquid Penetrant Testing (PT).

### **Professional experience**

**May 2013-Until now - Training Instructor - ADNOC Offshore,Bureau Veritas (BV),RES.MOD.TEC,IFM Training Comp,Inspection Academy,Royal Crown Tra., United Arab Emirates,Saudi Arabia,Jordon,Iraq,South Africa,other multiple Nationalities**

- Training Experience
  - Delivered advanced training on API 579, API 580, API 653, and other industry standards to over 1,200 professionals.
  - Collaborated with leading organizations such as ADNOC, Bureau Veritas, and Egyptian Welding Academy.
  - I specialized in Materials Selection and Failure Analysis, welding Inspection & metallurgy, In-service inspection, NDT techniques, and corrosion mechanisms.
- Personnel training
- Knowledge test / assessment

**August 2024-Until now - Lead Asset Integrity Engineer - Petrofac Limited, Operations Management Department, United Arab Emirates**

- Responsible for driving continuous improvement in HSE standards to build a proactive safety culture within the operations and maintenance team
- Oversee and ensure team compliance with Health, Safety, and Environmental (HSE) regulations, as well as adherence to company life-saving rules.
- Analyzing inspection data, carrying out condition assessment, identifying potential problems, determining causes and possible remedial actions, reporting the findings, and recommending an appropriate course of action.
- Carry out Fitness for service (FFS) Level 1&2 evaluation for existing facilities, the corrosion risk assessment, and the Remaining life assessment (RLA) Study.
- Carry out Root Cause Analysis for major/repetitive failures to find the damage mechanism and issue an RCA report and necessary recommendations based on the analysis to prevent their re-occurrence.
- Personnel training
- Knowledge test / assessment

**January 2024-April 2024 - Corrosion Engineer - Aramco - Ras Tanura Refinery (T&I), Saudi Arabia**

- Assess the major findings of the inspection and approve the recommended solutions to maintain the integrity of the assets.
- Implement appropriate action as necessary based on the circumstances to repair or mitigate this failure in the future.
- Assist in the RCA for the major/repetitive nature of failures to find the damage mechanism and advise necessary recommendations based on the analysis to prevent its re-occurrence.
- Determination of corrosion rate, remaining life, inspection frequency, Anomaly Management, and temporary repairs.
- Review and approve recommended solutions for any kind of corrosion failures.
- Validate corrosion controls, corrosion loops, and corrosion damage mechanisms frequently through detailed reviews of history.
- Understanding operating site risk issues and providing advice on risk assessments in corrosion degradation and mitigation activities for pressure equipment and structures with corrosion engineering for maintaining plant Integrity & reliability.
- Personnel training
- Knowledge test / assessment

**October 2021-December 2023 - Senior Inspection Engineer - Rumaila Operating Organization (ROO) - BOC JV BP, IRAQ**

- Conduct both external and internal visual inspections to thoroughly assess the condition of the static equipment.
- Reviewing all NDE reports and conducting further investigations if necessary.
- Supervision of repairs on-site to ensure that any issues are resolved effectively and efficiently.
- Supervise and assess the result of storage tank survey, and settlement activities such as planner tilt survey and shell dimensional survey by identifying areas that display signs of peaking and banding, in accordance with the assigned work instruction, to carry out the relevant dimensional assessments and make note of the deflections. (Utilize 3D laser scanner).
- Determination of corrosion rate, remaining life, inspection frequency, Anomaly Management, and temporary repairs.
- Advises inspection intervals and integrity operating windows for plant equipment, reports deviations from expected deterioration patterns to the area integrity reliability team, and advises appropriate action.
- Personnel training

- Knowledge test / assessment

**February 2016-September 2021 - Integrity Engineer - KHALDA Petroleum Company (KPC) - (EGPC) JV Apache Corp., EGYPT**

- Perform external, internal, and on-stream inspections of state as per the established MI strategy in the company.
- Monitoring On-stream thickness measurements (CMLs) programs on pressure vessels & piping, small bore pipe inspection programs, dead legs programs, chemical injection programs, and dummy support inspection Programs.
- Advises inspection intervals and integrity operating windows for plant equipment, reports deviations from expected deterioration patterns to the area integrity reliability team and advises appropriate action to ensure plant integrity.
- Coordinate with operations, maintenance, and planning team to identify project time schedules, establish target completion dates.
- Personnel training
- Knowledge test / assessment

**May 2013-January 2016 - Inspection Engineer - Spanish Egyptian Gas LNG (SEGAS), EGYPT**

- Perform in-service visual inspections for all static equipment such as (pressure vessels, driers, heat exchangers, main cryogenic, air fan coolers .... Act).
- Prepare and review all inspection reports, traditional /advanced NDE reports, and material traceability.
- Perform routine typical inspection over PRVs & Perform calibration at the machine (VENTIL (VC25/CR)) and Witness over onstream calibration PRV'S.
- Interpretations of Radiograph, Ultrasonic Inspection, MPI, and Dye Penetrant Inspections.
- Perform Traditional SWUT Flaw detection and UT-thickness measurement.
- Perform general welding inspection activities, including Procedure and Welder Qualifications, Fit Ups, Pre Heat, and Stress Relief.
- Personnel training
- Knowledge test / assessment

**Education and qualifications**

Type	Name
2008 - 2013, Bachelor	Al-Azhar University Cairo, Egypt, Bachelor of Metallurgy & Material Engineering
2021	American Petroleum Institute (API), Corrosion and Materials Specialist (API 571), 25 hours
2021	American Petroleum Institute (API), Risk Based Inspection Professional (API 580), 26 hours
2020	American Petroleum Institute (API), Aboveground Storage Tanks Inspector Certification (API 653), 50 hours
2018	American Petroleum Institute (API), Authorized Pressure Vessel Inspector (API 510), 50 hours
2018	American Petroleum Institute (API), Authorized Piping Inspector (API 570), 50 hours
2015	Training Within Industry (TWI) Institute, CSWIP Certified Welding Inspector level 2, 25 hours

2021	Training Within Industry (TWI) Institute, BGAS-CSWIP Painting Inspector Grade 2, 25 hours
2024	ISO-CQI-IRICA, ISO 9001 Certified lead Auditor, 15 hours
2024	OPITO, Approved H2S and Escape Certificate, 15 hours
2017	American Petroleum Institute (API), API 579 Level 1,2&3 Fitness for Service Assessment, 25 hours
2022	American Petroleum Institute (API), Webinar - Integrity Operating Window (IOW) API RP 584, 2 hours
2022	American Petroleum Institute (API), Webinar -Safe Welding, Cutting, and Hot Work Practice in the Petroleum industries API RP 2009, 2 hours
2013	ASNT, Level II for Visual Testing (VT),Ultrasonic Testing (UT),Radiograph Testing (RT),Magnetic Particle Testing (MT),Liquid Penetrant Testing (PT)., 100 hours
2024	EDDI-FY, PIC (Pulsed Eddy Current) training courses, 10 hours

**Language: Arabic, English**