

Two-Day Training Programme on Above Ground Storage Tank Integrity Management and Risk Based Inspection Strategy

27th & 28th
November 2025

Evolve by TCR
215, Pancham Icon,
Vasna Road, near D-Mart,
Vadodara, Gujarat 390007

Fees: INR 25,000/-
for single person +
GST 18% extra.

10% Discount on total
amount of invoice for 03
or more nominations from
the same organization.

Course Content

- Overview of tank types, design, and construction (API 650).
- Key damage mechanisms affecting storage tanks, auxiliary equipment (pipelines and relief valves), including those arising from service conditions and environmental exposure (API 571).
- Risk analysis of tanks for applicable damage mechanisms (API 581).
- Inspection methods and optimization of inspection intervals (API 653), Comparison of intrusive vs. non-intrusive inspection methods.
- Repair and welding procedures of storage tanks (API 653).
- Petroleum and Explosive Safety Organization (PESO) requirements for storage tanks.
- Fitness for service analysis - procedures for evaluating continued operation viability.
- Trends in advanced inspection techniques.

Who Should Attend

- Asset Integrity Managers/Engineers
- Inspection and Maintenance Managers/Engineers
- Quality Assurance / Quality Control personnel
- Project Managers/Engineers

Objectives of the Training Programme:

- **Establish Strong Foundations in Tank Design and Standards:** Provide a thorough understanding of tank construction principles, types, and applicable codes such as API 650, 653, 571, and 581 to ensure compliance and design integrity.
- **Identify Critical Damage Mechanism:** Train participants to recognize and analyze degradation modes in tanks and auxiliary systems (e.g., corrosion, settlement, environmental cracking) using API 571 guidance.
- **Enable Risk-Based Inspection Planning:** Develop competencies in assessing risk through qualitative and quantitative RBI methodologies (API 581) to prioritize inspection intervals and reduce operational risk.
- **Apply Effective Inspection and Repair Strategies:** Explore inspection techniques (intrusive and non-intrusive), FFS analysis, and welding/repair protocols (API 653) that support sustainable and safe tank operation.
- **Ensure Compliance with PESO and Regulatory Norms:** Equip participants with knowledge of national safety and regulatory frameworks such as PESO to support safe storage and handling of hazardous substances.

Meet The Faculty



Mr. Paresh Haribhakti, MD

- He holds a post-graduate degree in Materials Technology from M.S. University, providing him with a solid academic foundation in metallurgy and materials science. With a leadership role at TCR Advanced Engineering Services, he has accumulated extensive experience in metallurgical engineering, and has solved over 9000+ industrial challenges. He is expert in risk mitigation and management. He has also developed innovative tools for asset management and reliability enhancement, specifically tailored to the needs of critical infrastructure in the fertilizer and chemical industries.
- Paresh has authored 'Failure Investigation of Boiler Tubes: A Comprehensive Approach', published by ASM International, USA. His commitment to advancing knowledge and expertise is evident through his active participation in global conferences and contributions to leading metallurgical journals. He is an acclaimed expert for damage mechanism of oil & gas, refinery, petrochemicals, power, fertilizers. He holds expertise in inspection of fertilizer and petrochemical tanks

Mr Gopul Patel

- He holds a post-graduate degree. With 15+ years of experience, Mr. Gopul Patel is trained in Electron Microscope operation and operated India's first Environmental Scanning Electron Microscope with EDAX for over five years. He is NDT Level II certified in M.T., P.T., U.T., and Leak Testing. He holds expertise in Risk Based Inspection.
- Mr. Gopul Patel, API 580 certified, has been key in developing the AiOM tool for TCR Advanced, contributing to Asset Optimization modules like Material Library, FFS calculations, and Risk Analysis (API 581).



Mr. Ketan Upadhyaya

- BE in Metallurgical engineering, PGD in computer science. He has experience of 25 years in the field of NDE, Acoustic emission techniques, Vibration measurement and signature analysis, Failure Investigations, microstructure interpretation, Scanning electron microscopy and digital imaging system.
- He is a qualified level II for Acoustic Emission testing (IISC Bangalore), Vibration Analyst VT-II (Entec IRD) and Ultrasonic Flaw Detection (EEC Mumbai) techniques. He has expertise in Engineering Critical Analysis, high-temperature degradation of materials, Remaining Life Assessment (RLA), and Fitness-for-Service (FFS) evaluations. He has investigated over 1,000 failure cases related to petrochemical and oil & gas plants. With 25 years of expertise in ammonia storage tank inspection and structural integrity assessment.



Mr. Nikhil Sabhaya

- He is a post graduate in Metallurgy. He has over 5 years of hands-on industrial experience in the field of Boiler Remaining Life Assessment (RLA) and Non-Destructive Testing (NDT). He is an ASNT Level III certified professional in ET, UT, PT, and MT. Additionally, he holds API 510 certification as a Pressure Vessel Inspector and is a CSWIP 3.1 Certified Welding Inspector. His deep practical experience, combined with his knowledge of various national and international codes and standards, enables him to effectively formulate and validate test procedures for diverse NDT applications.
- He has working experience in NDT testing at various Power projects, Petrochemicals, Refineries, Structural and Automobile Industries. He has an expertise in NDT and the application of various NDT methods for solving problems of Industry.



For NFET/ RTGS/ Bank transfer:

Account No: 05730400000034

IFSC: BARB0INDMAK (5th letter is zero)

Bank: BOB, Makarpura Branch

Merchant Name: TCR ADVANCED ENGINEERING PVT LTD

UPI ID : tcrad93762@barodampay



QR code for payment



+91-75748 34848



evolve@evolvetcr.com



www.evolvetcr.com