

TWO-DAY WORKSHOP ON

# Asset Integrity 2.0

## Celebrating National Metallurgist Association Day

14th November 2025

*On the occasion of National Metallurgist Association Day (NMA), Two days advanced workshop on Asset Integrity 2.0: Digital Pathways to Operational Excellence is jointly organised by TCR Advanced, Indian Institute of Metals, IIM Baroda Chapter, and supported by Association of Materials Protection and Performance (AMPP) Gujarat Chapter.*

14th & 15th November, 2025

**Venue:** EvolvebyTCR. 215, Pancham Icon, vasma road, near D-Mart, Vadodara, Gujarat 390007.



## Why the Advanced AIM Workshop Matters?

Asset Integrity Management (AIM) is often overlooked until failures occur, especially where systematic programs and inspections are lacking. AIM training is vital to proactively manage risks, prevent failures, and ensure safe, reliable asset performance.

## Key Benefits:

### Key Benefits of AIM Workshop:

- Gain a solid understanding of AIM principles and lifecycle management to ensure structural and mechanical integrity in demanding operating environments.
- Improve plant safety and reliability by understanding degradation mechanisms and meeting key industry standards like API, ASME, and ISO 55000.
- Learn to implement Risk-Based Inspection (RBI) for smarter inspection planning, reduced downtime, and improved asset availability.
- Acquire practical knowledge of corrosion risks, monitoring tools, and mitigation techniques tailored to process industries.
- Understand how to maintain pipeline integrity through performance tracking, risk assessment, and mitigation across all lifecycle stages.
- Benefit from hands-on training at TCR's testing laboratory to apply advanced NDT methods for accurate damage assessment and failure analysis.

## Workshop Overview: Course Structure

### Day 1 – Asset Integrity and Corrosion Management

- Definition, objectives, and benefits of Asset Integrity Management (AIM)
- Key integrity elements, their interdependence, and implementation strategies
- Asset Integrity Life Cycle: design, construction, commissioning, operation, maintenance, and decommissioning
- Asset degradation and damage: types, causes, impact, and failure modes (time-dependent vs. independent)
- Symptoms, control measures, and mitigation techniques for degradation and damage
- Corrosion Management System: scenarios, cost impact, corrosion control planning, and corrosion mitigation measures

### Day 2 : Risk-Based Inspection, Pipeline Integrity & TCR Testing Laboratory Visit

- Introduction to Risk-Based Inspection (RBI), its benefits, limitations, and implementation steps
- RBI reassessment and updating to maintain effectiveness
- Pipeline Integrity Management: key elements, threats, and risk-based planning
- Risk assessment, mitigation strategies, and integrity management planning
- Monitoring pipeline health using lagging and leading KPIs
- TCR's testing laboratory visit for practical demonstration

## Workshop Material & Resources

Participants will receive a comprehensive set of course materials designed to enhance learning and provide long-term reference, including:

1 **Compendium**

2 **Training Kit**

3 **Certificate of Participation**



## About IIM, Baroda Chapter

The Indian Institute of Metals (IIM) was founded in 1945 as a professional platform for metallurgists in India. Over the years, it has expanded to a membership of over 10,000, earning recognition as a leading global metallurgical organization. IIM's activities encompass organizing conferences, conducting research, and publishing materials on metallurgy and related technologies. The IIM has vision to build a community of scientists, engineers and technologists that will take India to global leadership in minerals, metallurgical and materials science and engineering, and be the premier advocate for materials and manufacturing innovation.

The IIM Baroda Chapter boasts a rich legacy and a promising future, standing as one of the oldest and most esteemed associations of professionals in metallurgy and materials engineering. The chapter's office bearers and executive committee members form a dynamic team, blending youthful energy with seasoned expertise from academia, technology, and prominent industries.

## About EvolvebyTCR Training & Development Institute

EvolvebyTCR is the Training & Development division of TCR Advanced Engineering Pvt. Ltd., a globally recognized leader in Asset Integrity Optimization. Backed by expertise in Failure Analysis, RBI, FFS, RLA, Corrosion Studies, and Advanced NDT, the institute delivers specialized programs that bridge theory with real-world application.

Each program is tailored to organizational needs, combining hands-on learning, case-based studies, and advanced diagnostic tools. By leveraging TCR's global best practices, EvolvebyTCR equips professionals in power, oil & gas, petrochemical, and process industries to strengthen reliability, safety, and lifecycle management of critical assets, while fostering innovation and adaptability.

## About AMPP Gujarat Chapter

AMPP represents the largest global community of corrosion and protective coatings professionals. Our members are dedicated to advancing technical and practical expertise in corrosion prevention and control. AMPP provides members with the knowledge and resources to ensure high performance materials are used to build and maintain sustainable infrastructure. AMPP protects infrastructure and assets worldwide through member and workforce education and credentialing, company accreditation, technological innovation, and global standardization

The AMPP Gujarat Chapter was established on September 19, 2024, and has been officially recognized as part of AMPP's global framework. The chapter will serve as an active branch of AMPP, dedicated to promoting corrosion awareness, protection, and control within Gujarat. Its primary focus will be on the regions of Gujarat, Rajasthan, and parts of Maharashtra. Gujarat, a key manufacturing hub in India, is renowned for its chemical, petrochemical, refinery, and engineering industries. By addressing the unique needs of these sectors, the chapter will offer specialized training in corrosion control techniques. Through its activities, the AMPP Gujarat Chapter aims to foster knowledge sharing and collaboration among professionals, strengthening its impact on both national and international levels. They have recently successfully organised, integrated program on "Recent Scenarios on Corrosion Control & Management-2025" jointly organised with IIM Baroda Chapter.



## Esteemed Faculties & Speakers



**Prof. A.K. Singh**

Prof. A.K. Singh, Principal Consultant at L&T-S&L, is an IIT Delhi alumnus with 40+ years in power engineering, 60+ papers, major committee roles, and multiple global awards.



**Mr. Paresh Haribhakti**

Mr. Paresh Haribhakti, MD of TCR Advanced Engineering, is a globally recognized expert in metallurgical failure analysis with 9000+ investigations, key ASM/ASME contributions, and creator of AiOM™ platform.



**Dr. Sunil D. Kahar**

Dr Sunil Kahar, Assistant Professor, MSU Baroda, corrosion expert, 21+ years' experience, 100+ papers, recipient Corrosion awareness Award - NACE India (2014) & AMPP India (2023), chairs AMPP Gujarat & IIM Baroda chapter



**Mr. J.N. Agrawal**

Mr. J.N. Agrawal, CEO of Corrsol Tech, has 40+ years' expertise in corrosion control and cathodic protection, CP4-certified, Fellow of ICorr, AMPP awardee (2023), author, and consultant-trainer.



**Mr. Hiren Panchal**

Hiren Panchal, 27+ years exp. in Asset Integrity Management & working as Sr. Material expert at Linde Engg. having specializing in inspections, failure investigation, quality, and holding honorary positions in the IIM, AMPP, and IIW.



**Mr. Gopul Patel**

Mr. Gopul Patel, API-certified RBI expert, co-developed TCR's AiOM tool, leads lab management, and brings expertise in FFS, risk analysis, advanced material characterization, ESEM-EDAX, and plant risk assessment.



**Mr. Chiral Patel**

Mr. Chiral Patel specializes in oil & gas inspections, safety, and corrosion management, with expertise in CP systems, industrial coatings, soil surveys, commissioning tests, and water quality analysis.



**Mr. Nikhil Sabhaya**

Mr. Nikhil Sabhaya, Metallurgy postgraduate with 5+ years' experience, is ASNT Level III, API 510, and CSWIP 3.1 certified, specializing in boiler life assessment, NDT procedures, and defect characterization.



## Organizing Committee

### Convenor

1. Mr. Hiren Panchal-IIM, Baroda Chapter
2. Mr. Deepak Chandarana-EvolvebyTCR

### EvolvebyTCR, Vadodara

1. Mr. Paresh Haribhakti-MD
2. Mr. Deepak Chandarana-VP
3. Mr. Gopul Patel-GM
4. Mr. Sohel Vaidya-DGM
5. Mr. Rajesh Lakhnotra-BD Manager
6. Ms. Sonal Patel-Accounts Manager

### AMPP, Gujarat Chapter

1. Dr Sunil Kahar - Chairman
2. Mr Zuber Khan-Vice Chair
3. Mr Hiren Panchal-Secretory
4. Mr Dhruv Pandya-Treasurer
5. Mr Paresh Haribhakti-Member Delegate
6. Mr Rajkuar Kashyap-Member at Large:

### IIM, Baroda Chapter

1. Dr. Sunil D. Kahar-Chairman
2. Mr. Sumit Kainthola-Vice Chairman
3. Mr. Hiren Panchal-Hon. Secretary
4. Mr. Krunal Patel-Hon Treasurer
5. Mr. Siddhesh Jambekar-Joint Secretary
6. Mr. Kaizar Hussain -Joint Hon. Treasurer
7. Mr. Suraj Dabhekar- Joint Secretary
8. Mrs. Vaishnavi - Office of Chairman
9. Dr. B. J. Chauhan - EC Member
10. Ms. Vinal Makwana - EC Member
11. Dr. Daulat Sharma - EC Member
12. Dr. Yakshil Chokshi
13. Dr. Abhay Singh - EC Member
14. Dr. Mandar Joshi - EC Member
15. Mr. Manoranjan Mohapatra - EC Member

## Who Should Attend This Workshop?

This program is designed for professionals responsible for ensuring the integrity, safety, and reliability of critical assets across the process industries. Ideal participants include:

- Maintenance and Reliability Engineers
- Inspection and NDT Personnel
- Corrosion Engineers and Metallurgists
- Process and Project Engineers
- HSE, Plant Integrity, and Risk Management Teams
- Operations Managers and Plant Heads
- Third-party Inspectors, Consultants, and EPC Professionals

### Program Details

**Duration:** 2 Days

**Dates:** 14th & 15th November, 2025

**Venue:** EvolvebyTCR. 215, Pancham Icon, vasna road, near D-Mart, Vadodara, Gujarat 390007.

**For registration or more details, please contact:**

Mr. Deepak Chandrana, Vice President of Evolve - 9909035325

Mr. Hiren Panchal, Honorary Secretary, IIM Baroda Chapter - 9988881674

**Register now** -<https://forms.gle/LB7hFkLbKQPZEQsM7>

**Website:** [www.evolvevcr.com](http://www.evolvevcr.com) **Email:** [evolve@evolvevcr.com](mailto:evolve@evolvevcr.com)

**Rs. 15,000/- + 18% GST per Delegate**  
**Rs. 13,500/- + 18% GST per Member-IIM, Baroda Chapter & AMPP, Gujarat Chapter**

**10% Discount on total amount of invoice for 03 or More Nominations from the same Organization**




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Sponsorship and Key Benefits			
Benefits	Platinum (1.0 Lakh)	Gold (0.75 Lakh)	Silver (0.5 Lakh)
Complimentary Delegate/s for attending the workshop	03	02	01
Inclusion of Logo in Banners/Brochures	Yes	Yes	Yes
Standalone banner display (banner arranged by sponsors)	Yes	Yes	Yes
Inclusion of Company Promotional Material as part of Conference Delegate Documentation Kit (to be provided by Co.)	Yes	Yes	Yes
Opportunity to project the corporate film or presentation (Lunch break)	5 Minutes	3 Minutes	2 Minutes
Sharing of Conference Participants List	Yes	No	No

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