

# Two-Day Training Programme on Green Hydrogen as a Strategic Enabler of India's Energy Transition: Policy Vision, Technology Pathways, and Industrial Deployment



**04th & 05th  
Feb, 2026**

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

**Fees: INR 15,000/-**  
for single person +  
GST 18% extra.

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

## Course Content

- **India's Energy Transition and Role of Hydrogen:** India's energy outlook and hydrogen's strategic role in decarbonization.
- **Policy Landscape and National Roadmap:** National policies, incentives, and hydrogen growth opportunities.
- **Hydrogen Production Technologies:** Hydrogen production routes and renewable integration.
- **Hydrogen Storage and Transportation:** Storage methods, transport challenges, and safety aspects.
- **Industrial Applications of Green Hydrogen:** Applications in fertilizers, refineries, and steel sectors.
- **Hydrogen in Power and Mobility:** Role in power, mobility, and energy storage.
- **Techno-Economic Considerations:** Cost factors, infrastructure, and business models.
- **Project Implementation and Case Studies:** Practical insights from projects and scale-up approaches.

## Who Should Attend

- Engineers in Power, Oil & Gas, Refinery, Fertilizer & Steel
- Energy Planners and Sustainability Professionals
- Policy Makers and Government Regulators
- Renewable Energy & Hydrogen Sector Professionals
- Project Developers and Infrastructure Experts
- Researchers, Consultants, and Academicians

## Objectives of the Training Programme:

- Gain in-depth understanding of Green Hydrogen technologies, production pathways, and industrial applications in India's energy transition.
- Learn policy frameworks, regulatory landscape, and government initiatives including the National Green Hydrogen Mission.
- Understand integration of renewable energy with hydrogen production systems and infrastructure requirements.
- Analyse storage, transportation, safety standards, and global best practices for hydrogen deployment.
- Develop competency to evaluate techno-economic aspects, business models, and commercialization opportunities.
- Build capability to plan, implement, and scale hydrogen-based projects across industrial sectors.

# 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.
- Paresh has authored 'Failure Investigation of Boiler Tubes: A Comprehensive Approach', published by ASM International, USA. He passionately advocates for eliminating failures across industries and working towards predicative approach. 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. With his deep metallurgical knowledge and field experience, he provides advanced insights into boiler tube damage mechanisms and failure analysis, making him central to the course on boiler failure mitigation.

**Mr. Sushil Kumar Sharma**

- B.E. (Electrical) and Harvard Management Qualified Professional, with over 42 years of experience in the power and energy sector across nuclear, thermal, gas, and renewable domains. He served NTPC Limited for 37 years, including as General Manager (Sustainable Development), leading initiatives in energy efficiency, sustainability, and operational excellence.
- An expert in energy transition and decarbonization, he specializes in ESG, SDGs, BRSR, carbon management, circular economy, and clean energy solutions including Green Hydrogen.
- A Certified Energy Auditor (BEE), GHG Lead Verifier, and Sustainability Assessor, he has conducted extensive energy audits, emissions reduction programs, and performance optimization projects. A seasoned trainer, he has delivered 240+ programs for leading organizations like NTPC, GSECL, CII, L&T, and premier institutes including IITs and IIMs. His sessions effectively bridge policy vision with industrial implementation, particularly in Green Hydrogen and sustainable energy pathways.



**Prof. Awadhesh Kumar Singh**

- M.Tech from IIT Delhi and B.E. (Hons.) Mechanical, with over 40 years of experience in power plant engineering, operations, and asset integrity management. He has held senior roles at BHEL, ABB, Larsen & Toubro, ERDA, and TCR Advanced Engineering.
- His expertise includes steam turbine technology, supercritical power plants, retrofit engineering, RBI, RLA, and Fitness-for-Service (API 579 / ASME FFS-1), along with strong contributions in energy efficiency, water conservation, and failure analysis.
- A seasoned trainer, he has conducted programs for NTPC, GSECL, GETCO, and international organizations. Known for practical, experience-driven insights, his sessions focus on integrating emerging technologies like Green Hydrogen with existing power infrastructure, ensuring asset readiness and lifecycle performance. His sessions provide valuable perspectives on integration of emerging technologies like Green Hydrogen with existing power infrastructure, focusing on asset readiness, safety, and lifecycle performance.



**For NFET/ RTGS/ Bank transfer:**

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**Merchant Name:** TCR ADVANCED ENGINEERING PVT LTD  
**UPI ID :** tcrad93762@barodampay



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