



Confederation of Indian Industry

Virtual Programme on
Sustainability through Green Manufacturing Systems
Date: 28th and 29th January 2026 / Time: 2pm - 5pm

Concept Note:

Deteriorating air quality in India in with rising AQI numbers and increased awareness for environment among masses with respect to river pollution, plastic disposal etc. are the "Telltale signs" of what we can expect ahead:

1. Stricter regulations for manufacturing industries.
2. Likely government support for Industries involved in Green Manufacturing.
3. Increased consumer awareness for green products

Going forward, manufacturing industries will be under increasing pressure to reduce their environmental footprint while maintaining competitiveness. To top it of rising energy costs and transition to renewable energy and green products (e.g. electric vehicles, green steel, green cement etc.) highlight the need for a shift toward Green Manufacturing — a model that integrates environmental responsibility with operational efficiency.

An innovative approach that blends technology with green strategies to create a more sustainable future, green manufacturing integrates sustainable practices into every stage of production, from sourcing raw materials to design, operations, and distribution. It aims to upgrade any outmoded modes of production and opts for more sustainable manufacturing solutions via waste reduction, waste recycling, better natural resource utilisation, and other allied measures.

The Government of India demonstrates unwavering commitment to Environment, Sustainability, and Governance (ESG) through targets **like net-zero emissions by 2070, 50% non-fossil fuel energy capacity by 2030, and adherence to the Paris Agreement's goal of limiting global warming below 2°C**. The Indian Industry is more than willing to **contribute** its bit towards fulfilment of these goals by embracing eco-conscious practices to meet regulatory compliance, be future-ready for growth and achieve global competitive edge. **Confederation of Indian Industry (CII)** aids through policy advocacy, providing framework like Greenco & spread awareness and make Industry ready through various initiatives in line with the fulfilment of these targets.

Considering that green manufacturing is no longer just a cosmetic practice but the perfect solution to balance economic growth and sustainability this two day workshop by **CII Centre of Manufacturing Excellence (CII CME)** will equips the participants with the tools and strategies to implement green manufacturing practices effectively by blending theory, practical experiences, case studies from leaders in industry, BRSR reporting / study of reports, group exercises and target-setting to convert strategy into operations for industrial organisations .

Course Content:

Date	Topics	Subtopics
28 th Jan 2026	Introduction to Sustainable Green Manufacturing	<ul style="list-style-type: none"> • Introduction • Sustainability Imperative, ESG targets • Contribution of Industries • Green Manufacturing concepts, pillars, components
	Core concepts	<ul style="list-style-type: none"> • Linkage between Lean, Quality, and Sustainability • Business case for sustainability • Overview of Indian regulatory context & international frameworks/ standards • Extended Producer Responsibility (EPR)
	Components of Green manufacturing for sustainability	<ul style="list-style-type: none"> • Environmental Life Cycle Assessment (LCA) • Green Materials and Design for Environment • Green Supply Chain • Green Manufacturing (3R, 6R, 9R)
29 th Jan 2026	Technologies for Green Manufacturing	<ul style="list-style-type: none"> • Recap of Day 1 • Integration of Lean, TQM, TPM • Digitalization, Industry 4.0, Blockchain • Green Economics
	Regulatory reports & Case studies on Green Sustainable Manufacturing	<ul style="list-style-type: none"> • BRSR reports – Detailed discussion on components • Case studies of Indian Industry leaders from published database
	Closing session	<ul style="list-style-type: none"> • Recap of today session • Group work – Way forward for India on Green Manufacturing: Challenges & Solutions • Target setting for Individual companies • Feedback

Faculty: Mr. Deepak Sudhakar Kulkarni

Felicitated by Outstanding Engineer Award, by The Institute of Engineers (India), Nashik Chapter in January 2020.

Academics: Bachelor of Mechanical Engineering, College of Engineering, Pune University 1987; Diploma in Business Management (DBM), Pune University, 1992; Master of management Science (MMS), Pune University, 1993

Professional Experience: Proven manufacturing leader with 38 years of experience at Siemens Ltd, delivering successful business turnarounds, operational excellence, and sustainable growth across multiple sites. Recognized for improving safety performance, driving efficiency gains, and developing high-performing teams.

Profession Trainings:

- Lead Auditor for ISO –9000 and ISO 14001, ISO 22163 – 2023 IRIS Internal Auditor & VDA 6.3 Internal Auditor
- Strategic Management Program, IIM, Ahmedabad
- Program for Business Managers, IIM, Bangalore
- Lean and Six sigma Black Belt Training
- Work measurement Techniques by with Maynard Operations Sequence Technique

Objectives:

- Embed sustainability into core manufacturing strategies.
- Reduce waste, emissions, and energy consumption.
- Strengthen compliance with environmental standards.
- Enhance brand reputation and stakeholder trust.
- Drive long-term profitability through resource efficiency.

Key Takeaways:

- Reduced carbon footprint and operational costs.
- Stronger compliance and stakeholder trust.
- Enhanced brand reputation and market competitiveness.
- Long-term resilience and profitability.
- Enhanced knowledge and skills in sustainable manufacturing practices
- Practical strategies for reducing energy, waste, and emissions
- Increased awareness of compliance standards and certifications
- Draft action plans for implementing green initiatives in workplaces

Who Should Attend:

- Senior management and decision-makers
- Operations and supply chain leaders
- Sustainability and compliance officers
- Production managers and engineers
- Sustainability officers and environmental managers
- Policy makers and regulators in the industrial sector
- Entrepreneurs and SMEs in manufacturing
- Academic and research professionals interested in sustainable industry

Participation Fees:

Type of Organization	Fees per Participant
CII Small Scale Members	INR. 7,500/- + 18% GST
CII Medium Scale Members	INR. 8,000/- + 18% GST
CII Large Scale Members	INR. 8,500/- + 18% GST
Non-Member Companies of CII	INR. 9,000/- + 18% GST

Special Discount

- 10% on 3 or more nominations from an organization

Coordinator:

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