ESG in Manufacturing Strategy Training Course

Professional Development Training Course Outline

Category	Manufacturing	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The ESG in Manufacturing Strategy Training Course is designed to equip professionals with advanced capabilities to integrate Environmental, Social, and Governance (ESG) principles into modern manufacturing operations. As global supply chains face increasing pressure from regulators, investors, and consumers, manufacturers must adopt sustainable production systems, carbon-neutral strategies, circular economy models, and responsible supply chain practices to remain competitive. ESG in Manufacturing Strategy Training Course provides a structured pathway to embed ESG into core manufacturing strategy, enabling organizations to achieve sustainability compliance, operational efficiency, risk mitigation, and long-term value creation.

With the rise of ESG reporting frameworks (GRI, SASB, ISSB), net-zero manufacturing targets, green factory transformation, and Industry 4.0 sustainability integration, this training bridges the gap between strategy and execution. Participants will learn how to align ESG metrics with production KPIs, optimize resource utilization, reduce carbon footprint, and implement ethical governance systems. The course also emphasizes data-driven sustainability, ESG risk analytics, and digital manufacturing transformation to future-proof industrial operations in a rapidly evolving global economy.

Programme Curriculum

ESG in Manufacturing Strategy Training Course

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Course Duration

5 days

Course Objectives

1. Develop ESG-driven manufacturing strategy frameworks
2. Implement carbon-neutral production systems
3. Integrate circular economy in manufacturing operations
4. Optimize sustainable supply chain management
5. Apply green factory transformation models
6. Enhance energy efficiency and resource optimization
7. Strengthen ESG risk management in industrial operations
8. Align manufacturing with net-zero emissions targets
9. Build sustainable procurement strategies
10. Implement ESG reporting and compliance systems
11. Use data analytics for sustainability performance
12. Improve ethical governance in manufacturing ecosystems
13. Drive Industry 4.0 sustainable transformation

Target Audience

1. Manufacturing Strategy Managers
2. ESG and Sustainability Officers
3. Operations and Plant Managers
4. Supply Chain and Procurement Leaders
5. Industrial Engineers and Process Designers
6. Corporate Governance and Compliance Teams
7. Sustainability Consultants and Analysts
8. Senior Executives and Policy Makers

Course Modules

Module 1: ESG Fundamentals in Manufacturing

- ESG principles and industrial relevance
- Environmental impact in manufacturing systems
- Social responsibility in production ecosystems
- Governance structures for industrial compliance
- ESG integration into business strategy
- **Case Study:** Automotive manufacturer transitioning to ESG-compliant production model

Module 2: Sustainable Manufacturing Strategy Design

- Strategic sustainability frameworks
- ESG-aligned operational planning
- Lifecycle assessment in manufacturing
- Sustainable value chain mapping
- KPI development for ESG performance
- **Case Study:** Electronics manufacturer redesigning production strategy for sustainability

Module 3: Carbon Neutral & Net-Zero Manufacturing

- Carbon accounting and emissions tracking
- Decarbonization strategies in factories
- Renewable energy integration
- Scope 1, 2, and 3 emissions control
- Net-zero roadmap development
- **Case Study:** Cement industry net-zero transformation initiative

Module 4: Circular Economy & Waste Reduction

- Circular production models
- Zero-waste manufacturing systems
- Recycling and remanufacturing strategies
- Product lifecycle extension techniques
- Industrial symbiosis practices
- **Case Study:** Textile industry circular economy adoption

Module 5: ESG Supply Chain Transformation

- Sustainable procurement systems
- Supplier ESG evaluation frameworks
- Ethical sourcing strategies
- Logistics optimization for sustainability
- Supply chain transparency tools
- **Case Study:** Global retail supply chain ESG transformation

Module 6: Digital ESG & Industry 4.0 Integration

- IoT-enabled sustainability tracking
- AI-driven ESG analytics
- Smart factory sustainability systems
- Digital twins for emissions monitoring
- Automation for resource efficiency
- **Case Study:** Smart factory ESG optimization using digital twins

Module 7: ESG Governance & Compliance Systems

- Global ESG regulatory frameworks
- ESG reporting standards (GRI, ISSB, SASB)
- Corporate governance structures
- Audit and compliance systems
- Risk mitigation strategies

- **Case Study:** Multinational compliance restructuring for ESG reporting

Module 8: ESG Performance Measurement & Reporting

- ESG KPIs and benchmarking systems
- Sustainability dashboards and analytics
- Impact measurement methodologies
- Investor ESG reporting requirements
- Continuous improvement frameworks
- **Case Study:** Manufacturing firm ESG performance transformation

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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