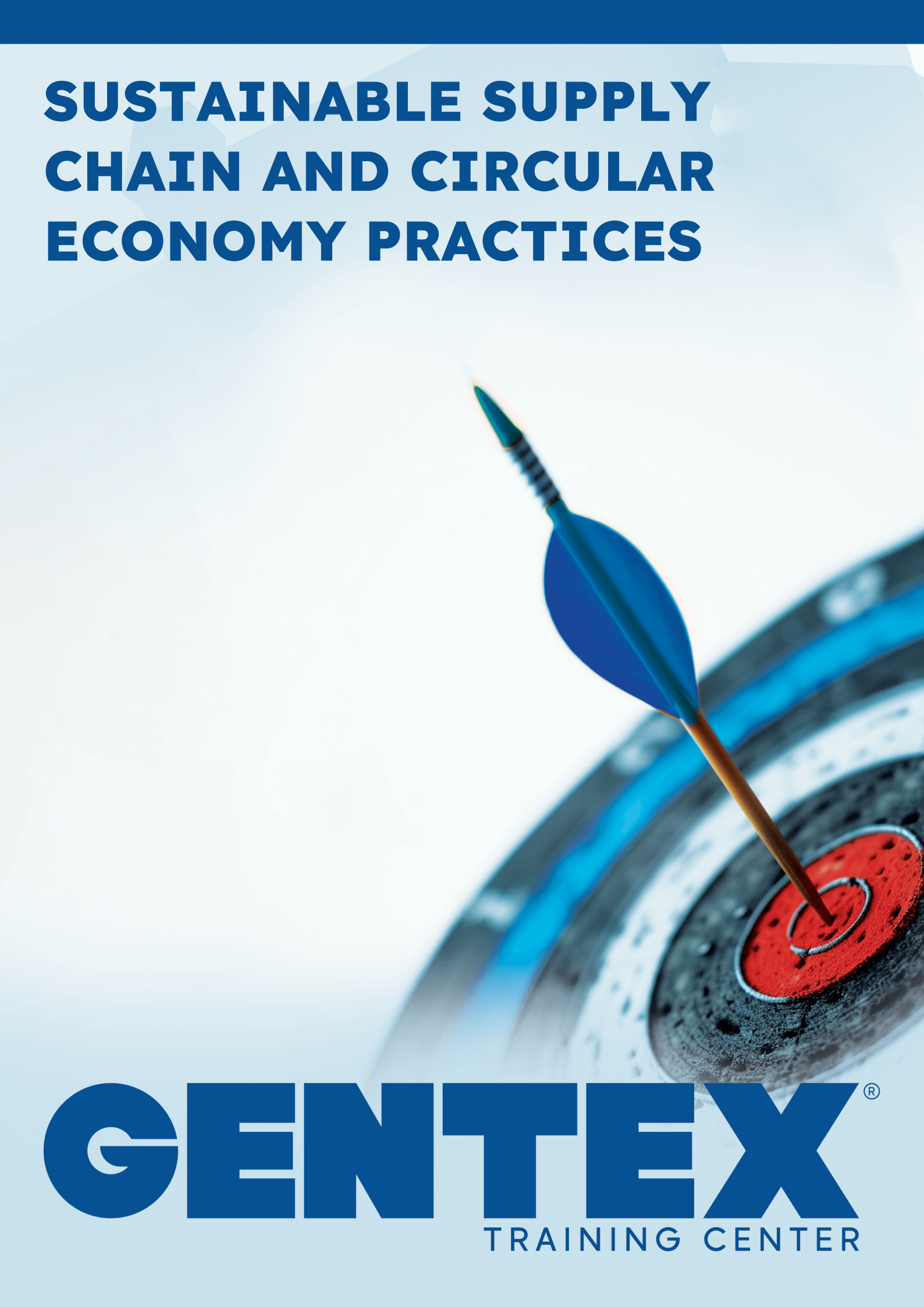
SUSTAINABLE SUPPLY CHAIN AND CIRCULAR ECONOMY PRACTICES



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Introduction

A linear supply chain takes materials, makes products, and discards what is left. A circular one treats end-of-life material as an input, which changes sourcing, design, logistics, and reverse flows. Sustainability adds measurement: emissions, water, waste, and social performance must be counted, disclosed, and improved. This Sustainable Supply Chain and Circular Economy Practices Training Course gives supply chain, procurement, and sustainability professionals a complete working method for both agendas. Participants learn circular design principles, sustainable sourcing, reverse logistics and recovery, carbon accounting, and the reporting and governance that hold it together.

Sustainable Supply Chain and Circular Economy Practices Course Objectives

- Apply circular economy principles: reduce, reuse, repair, remanufacture, recycle.
- Apply ISO 20400 sustainable procurement guidance to sourcing decisions.
- Design products and packaging for circularity and recyclability.
- Implement reverse logistics and material recovery operations.
- Apply Scope 1, 2, and 3 greenhouse gas accounting to supply chains.
- Measure and disclose supply chain sustainability performance.
- Apply extended producer responsibility and waste regulation requirements.
- Apply circular business models: product-as-a-service and leasing.
- Assess supplier sustainability and social compliance performance.
- Measure performance with circularity rate, emission intensity, and recovery rate.

Course Methodology

- Facilitated sessions built on real supply chain data, sustainability reports, and recovery records.

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- Case workshops on circular redesign, supplier non-compliance, and disclosure failures.
- Carbon accounting, circularity, and recovery value calculation exercises.
- Sustainable procurement and reporting practice labs.
- Group exercise on a circular and sustainable supply chain roadmap.

Who Should Take This Course

- Supply chain and procurement sustainability managers.
- Sustainability and ESG officers.
- Product design and packaging engineers.
- Reverse logistics and waste management staff.
- Supplier development and quality professionals.
- Finance and reporting staff covering ESG disclosure.

Sustainable Supply Chain and Circular Economy Practices Course Outlines

Day 1: Circular Economy Foundations

- Linear versus circular supply chain models.
- Circular principles: reduce, reuse, repair, remanufacture, recycle.
- Circular business models: leasing, product-as-a-service, and sharing.
- Material flow analysis and circularity assessment.
- Rebound effects, leakage, and limits of recycling.
- Circularity metrics and measurement approaches.
- Policy drivers: extended producer responsibility and waste regulation.

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Day 2: Sustainable Design and Sourcing

- Design for disassembly, repair, and material recovery.
- Packaging reduction, recyclability, and single-use reduction.
- Material selection and hazardous substance control.
- ISO 20400 sustainable procurement guidance.
- Supplier sustainability assessment and codes of conduct.
- Ethical sourcing, labour standards, and human rights due diligence.
- Local sourcing, transport emissions, and trade-offs.

Day 3: Reverse Logistics and Recovery Operations

- Collection systems: take-back, deposit return, and collection points.
- Sorting, grading, and recovery centre operations.
- Refurbishment, remanufacturing, and parts recovery.
- Recycling routes and secondary material markets.
- Reverse transport and consolidation networks.
- Recovery value calculation and cost-benefit analysis.
- Waste regulation compliance and documentation.

Day 4: Carbon and Environmental Accounting

- Greenhouse gas accounting: Scope 1, 2, and 3.
- Supply chain emission factors and activity data.
- Emission intensity metrics and product carbon footprint.
- Water use, land use, and biodiversity considerations.
- Science-based targets and decarbonisation planning.

- Energy efficiency and renewable energy in operations.
- Data quality, verification, and assurance requirements.

Day 5: Reporting, Governance, and Performance

- Sustainability reporting frameworks: GRI and CSRD principles.
- CDP disclosure and supplier engagement programmes.
- ESG ratings and investor expectations.
- Governance, targets, and accountability structures.
- KPIs: circularity rate, emission intensity, and recovery rate.
- Auditing sustainability claims and preventing greenwashing.
- Building a circular and sustainable supply chain roadmap.

Conclusion

By successfully completing the Sustainable Supply Chain and Circular Economy Practices Training Course, participants will have acquired a thorough working knowledge of circular economy principles, sustainable design and procurement, reverse logistics and material recovery, carbon and environmental accounting, sustainability reporting, and performance governance. They will leave able to close material loops with evidence, reduce supply chain emissions with measured data, and report sustainability performance that withstands investor and regulatory scrutiny. Gentex Training Center delivers this programme with supply chain sustainability and circular economy practitioners working in live organisations.

FAQs for the Sustainable Supply Chain and Circular Economy Practices course

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Q1 What is the "Sustainable Supply Chain and Circular Economy Practices" course about?

It is a five-day programme on moving from a linear supply chain to one that recovers materials and measures its environmental impact. It covers circular principles and business models, sustainable design and procurement, reverse logistics and recovery, carbon accounting, and sustainability reporting.

Q2 What are the key benefits of the "Sustainable Supply Chain and Circular Economy Practices" course?

Participants close material loops that reduce raw material cost and waste, cut supply chain emissions with measured data rather than estimates, and produce sustainability disclosures that withstand investor and regulatory review. They also identify credible circular models instead of recycling claims that do not hold up.

Q3 What skills will I gain from the "Sustainable Supply Chain and Circular Economy Practices" course?

You will gain circular economy and material flow analysis, sustainable design and procurement application, reverse logistics and material recovery management, and carbon accounting, sustainability reporting, and performance management.

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Q4 What tools, methods, or standards are covered in the "Sustainable Supply Chain and Circular Economy Practices" course?

The course works with circular principles covering reduce, reuse, repair, remanufacture and recycle, circular business models including leasing and product-as-a-service, material flow analysis and circularity assessment, rebound effect and leakage analysis, circularity metrics, extended producer responsibility and waste regulation, design for disassembly, repair and material recovery, packaging reduction and recyclability, material selection and hazardous substance control, ISO 20400 sustainable procurement guidance, supplier sustainability assessment and codes of conduct, labour standards and human rights due diligence, collection systems covering take-back, deposit return and collection points, sorting, grading and recovery centre operations, refurbishment, remanufacturing and parts recovery, recycling routes and secondary material markets, reverse transport and consolidation networks, recovery value calculation, greenhouse gas accounting for Scope 1, 2 and 3, supply chain emission factors and activity data, emission intensity and product carbon footprint, water, land use and biodiversity assessment, science-based targets and decarbonisation planning, energy efficiency and renewable energy measures, GRI and CSRD reporting principles, CDP disclosure, ESG ratings and investor expectations, verification and assurance requirements, and KPIs covering circularity rate, emission intensity and recovery rate.

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Q5 How is the "Sustainable Supply Chain and Circular Economy Practices" course applied in real-world practice?

Teams apply it when redesigning packaging for recyclability, setting a take-back scheme for end-of-life products, calculating Scope 3 emissions for a product category, assessing a supplier against a sustainability code of conduct, preparing a climate disclosure for investors, and reviewing circularity and recovery rates at an ESG committee.