

Net-Zero Emissions Planning and Implementation Training Course

30 August – 3 September 2027
Singapore

AGILE LEADERS
Training Center

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Ref: 2214_262016 **Date:** 30 August – 3 September 2027 **Location:** Singapore **Fees:** 5700 Euro

Overview

Net-Zero Emissions Planning and Implementation Training Course is a one-week intermediate course for sustainability, climate, energy, operations, finance, and strategy teams, who leave with an Organizational Net-Zero Transition Pack. The course connects GHG inventory design, Scope 1, Scope 2, and Scope 3 emissions, science-based targets, abatement pathways, value-chain decarbonization, transition finance, governance, measurement, residual emissions, and progress reporting. It turns climate commitments into controlled delivery decisions. Agile Leaders Training Center develops net-zero emissions planning practice.

Who Should Attend

- Teams responsible for organizational sustainability and climate-transition plans
- Functions responsible for energy, operations, facilities, and process emissions
- People responsible for finance, capital allocation, and transition investment
- Teams responsible for procurement, supply chains, and value-chain engagement
- Functions responsible for governance, data, assurance readiness, and climate reporting

The course assumes participants can interpret operational, financial, or emissions data; it leaves out introductory climate science, engineering design, carbon-market trading, and independent assurance.

Departments and Industries

The course supports net-zero decisions across energy, manufacturing, transport, construction, finance, retail, hospitality, healthcare, and public services.

- Sustainability, environment, and climate functions
- Energy, engineering, facilities, and operations teams
- Finance, investment, and capital-planning functions
- Procurement, logistics, and supply-chain organizations
- Strategy, governance, risk, and reporting teams
- Data, performance, and internal-control functions

Learning Objectives

By the end of this course, participants will be able to:

- Apply net-zero principles to organizational boundaries and claims.
- Build a decision-ready GHG inventory structure.
- Analyze operational and value-chain emissions hotspots.
- Compare science-based targets and abatement pathways.
- Prioritize investments through transition-finance criteria.
- Evaluate governance, metrics, residual emissions, and reporting.

Course Agenda

Day 1: Define the Net-Zero Boundary

- IWA 42:2022 Net-Zero Principle Checklist
- Organizational Boundary and Consolidation Map
- Net-Zero Claim Scope and Terminology Matrix
- GHG Protocol Inventory Principle Review
- Climate Commitment and Governance Charter

Day 2: Build the Emissions Baseline

- Scope 1 Direct Emissions Source Register
- Scope 2 Purchased-Energy Accounting Map
- Scope 3 Value-Chain Category Screening
- Activity Data and Emission Factor Control Sheet
- Inventory Quality and Recalculation Checklist

Day 3: Set Targets and Abatement Pathways

- SBTi Corporate Net-Zero Standard Applicability Review
- Near-Term and Long-Term Target Architecture
- Emissions Hotspot and Materiality Matrix
- Marginal Abatement Cost and Feasibility Map
- Operational and Value-Chain Decarbonization Pathway

Day 4: Govern Finance and Progress

- Transition Initiative Investment Appraisal
- Capital Allocation and Dependency Roadmap
- Net-Zero Roles and Decision-Rights Matrix
- Progress Metric, Evidence, and Control Register
- Residual Emissions and Neutralization Decision Gate

Day 5: Practice Net-Zero Transition Planning

- Exercise: Reconcile an Organizational GHG Boundary
- Exercise: Diagnose an Emissions Hotspot Portfolio
- Exercise: Sequence an Abatement and Investment Pathway
- Exercise: Review a Net-Zero Progress Report
- Capstone Exercise: Complete the Organizational Net-Zero Transition Pack

Practical Exercises

The course uses suggested activities based on manufacturing energy, transport fleets, purchased electricity, property portfolios, and supplier emissions.

- Suggested activity: define organizational boundaries and classify Scope 1, Scope 2, and Scope 3 emission sources.
- Suggested activity: test activity data, emission factors, controls, hotspots, and inventory recalculation triggers.
- Suggested activity: compare abatement actions by emissions impact, feasibility, investment need, dependencies, and timing.
- Suggested activity: assemble targets, governance, finance, metrics, evidence, reporting, and residual-emissions decisions.

FAQs

Who suits net-zero emissions planning training and what does it assume?

Net-zero emissions planning training suits sustainability, climate, energy, operations, finance, procurement, strategy, data, and reporting teams able to interpret operational, financial, or emissions information.

How does net-zero emissions planning differ from carbon accounting training?

Net-zero emissions planning uses an emissions inventory as the baseline for targets, abatement pathways, investment, governance, value-chain action, progress measurement, and residual-emissions decisions; carbon accounting training concentrates on quantifying and reporting emissions.

What should an organizational GHG inventory include for net-zero planning?

An organizational GHG inventory should define boundaries, sources, Scope 1, Scope 2, and relevant Scope 3 emissions, activity data, emission factors, estimation methods, exclusions, controls, uncertainty, and recalculation rules.

How are net-zero abatement pathways prioritized?

Net-zero abatement pathways are prioritized by comparing emissions impact, technical and commercial feasibility, investment requirements, operating effects, dependencies, delivery capacity, risks, and contribution to near-term and long-term targets.

How should residual emissions be treated in net-zero implementation?

Residual emissions should be identified only after feasible reductions are prioritized, governed through defined decision criteria, disclosed separately, and addressed through credible neutralization arrangements consistent with the organization's chosen framework and claims.

Conclusion

Participants take back an Organizational Net-Zero Transition Pack linking inventory boundaries, emissions hotspots, targets, abatement pathways, investment choices, governance, metrics, reporting, and residual-emissions decisions. It changes a climate commitment into a controlled sequence of operational and financial actions. The pack supports cross-functional ownership while making assumptions, data controls, dependencies, and progress evidence visible.