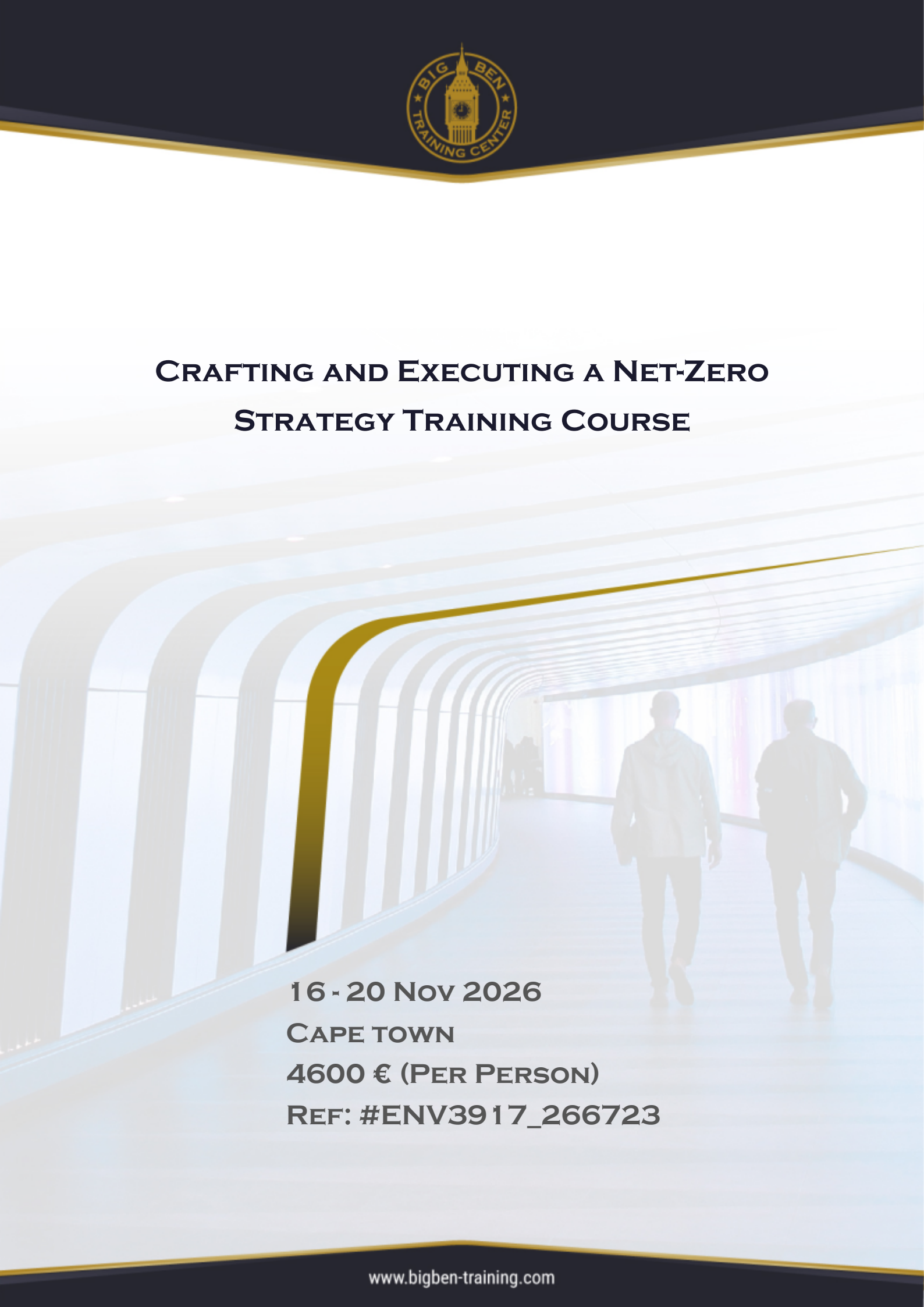
Crafting and Executing a Net-Zero Strategy Training Course



16 - 20 Nov 2026

Cape town

4600 € (Per Person)

Ref: #ENV3917_266723

Course Introduction / Overview:

This training course is designed to equip professionals with the knowledge and tools needed to develop and implement effective net-zero strategies within their organizations. As the global push for climate action intensifies, companies are facing increasing pressure from regulators, investors, and consumers to reduce their carbon footprint and achieve carbon neutrality. This program provides a comprehensive roadmap, starting from understanding greenhouse gas emissions accounting and carbon accounting standards, to build a robust decarbonization roadmap. We explore key concepts such as Scope 1, 2, and 3 emissions and the significance of science-based targets. The course draws on the expertise of leading academics, including Professor Myles Allen, a key contributor to the IPCC reports and a respected authority on climate change science and net-zero policy. His work, particularly on the concept of cumulative carbon emissions, provides a critical framework for understanding the urgency of this transition. At BIG BEN Training Center, we offer a practical, hands-on approach to mastering the net-zero transition, ensuring you can turn abstract goals into concrete actions. This training is your guide to navigating the complexities of climate risk and seizing the opportunities that come with sustainable business models.

Target Audience / This training course is suitable for:

- Sustainability and environmental managers.
- Corporate social responsibility professionals.
- Energy and facilities managers.
- Risk and compliance officers.
- Chief Financial Officers and corporate strategists.
- Operations and supply chain managers.
- Engineers and technical consultants.
- Government and public sector officials.
- Anyone involved in setting or achieving corporate climate goals.

Target Sectors and Industries:

- Manufacturing and heavy industry.
- Energy and utilities.
- Transportation and logistics.
- Finance and banking.
- Technology and software.
- Real estate and construction.
- Retail and consumer goods.
- Government agencies and international organizations.

Target Organizations Departments:

- Sustainability and environment.
- Operations and production.
- Finance and accounting.
- Corporate strategy and planning.
- Risk management and compliance.
- Supply chain management.
- Facilities and real estate.
- Legal affairs.

Course Offerings:

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

- Conduct a comprehensive greenhouse gas inventory.
- Develop a robust net-zero strategy aligned with corporate goals.
- Identify and prioritize carbon reduction opportunities.
- Implement renewable energy and energy efficiency projects.
- Manage and mitigate climate transition risks.
- Engage with stakeholders on decarbonization efforts.
- Understand carbon markets and carbon offsetting.
- Create a decarbonization roadmap with clear milestones.
- Report on progress using established ESG frameworks.
- Utilize technology for emissions monitoring and reporting.

Course Methodology:

This training course uses a mix of interactive and practical learning methods to provide a comprehensive and engaging experience. Our approach includes a series of case studies based on real-world scenarios, allowing participants to apply theoretical knowledge to practical problems. We facilitate group discussions and collaborative workshops to encourage peer-to-peer learning and the sharing of best practices. Participants will engage in hands-on activities, such as calculating a corporate carbon footprint or designing a simple decarbonization plan. The course also includes presentations from experienced instructors, Q&A sessions, and detailed feedback on individual and group work. At BIG BEN Training Center, our goal is to create a dynamic learning environment where you can develop and refine your skills. We use a blended learning model that integrates lectures with practical application, ensuring a deep understanding of net-zero transition principles. The methodology is designed to be highly interactive, moving beyond passive learning to active problem-solving. This ensures that participants not only grasp the concepts but also know how to apply them effectively in their own organizations.

Course Agenda (Course Units):

Unit One: Foundations of Carbon Footprint and Net-Zero.

- Understanding climate change science and the net-zero concept.
- Introduction to greenhouse gas (GHG) accounting.
- Defining Scope 1, 2, and 3 emissions.
- Establishing a carbon inventory and baselines.
- The role of science-based targets.
- Setting corporate climate goals and commitments.
- Global frameworks and standards.

Unit Two: Developing a Decarbonization Roadmap.

- Assessing emissions reduction opportunities.
- Strategies for energy efficiency and management.
- Transitioning to renewable energy sources.
- Operational changes for emissions reduction.
- Supply chain engagement for Scope 3 emissions.
- Financial modeling for decarbonization projects.
- Building a business case for climate action.

Unit Three: Technology and Innovation for Net-Zero.

- The role of carbon capture technologies.
- Leveraging data and analytics for emissions monitoring.
- Digital tools for carbon accounting and reporting.
- Electric vehicle fleets and sustainable logistics.
- Innovations in materials and processes.
- Best practices in green IT.
- Emerging technologies and future trends.

Unit Four: Carbon Markets and Offsetting.

- Understanding carbon credit and carbon markets.
- Evaluating the integrity of carbon offsetting projects.
- Developing an offsetting strategy.
- The role of carbon pricing and internal carbon fees.
- Navigating regulatory and reputational risks.
- Investment in nature-based solutions.
- Voluntary versus compliance markets.

Unit Five: Implementation and Communication.

- Creating an effective governance structure for net-zero.
- Engaging internal stakeholders.
- Communicating with external stakeholders and investors.
- Reporting progress using TCFD and GRI frameworks.
- Managing climate risk and building corporate resilience.
- Developing a corporate net-zero report.
- The role of organizational change management.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

Given the complex interdependencies of global economies, how can a company's pursuit of a net-zero target avoid simply outsourcing its carbon footprint to other regions or supply chain partners?

What unique qualities does this course offer compared to other courses?

This course stands out by providing a clear, actionable pathway for achieving corporate net-zero targets, moving beyond general discussions to practical implementation. It is structured to help you understand the full carbon accounting lifecycle, from initial inventory to final reporting. We provide a deep dive into the strategic elements of decarbonization, including how to build a robust decarbonization roadmap that is both ambitious and achievable. Our program focuses on the practical application of concepts, using real-world case studies to illustrate how companies successfully manage their climate transition risks. Instead of just listing tools, we focus on the strategic insights needed to make informed decisions about renewable energy investments, carbon offsetting, and supply chain emissions. We also dedicate a full unit to the critical topic of communication and governance, helping you to effectively engage stakeholders and report on your progress. This comprehensive, end-to-end approach ensures that you leave the course not just with knowledge, but with a clear plan to drive emissions reduction and contribute to your organization's long-term sustainability and resilience.