Corporate Net Zero and Decarbonization Roadmap Training Course

26 - 30 Oct 2026

California

7900 € (Per Person)

Ref: #ENV7757_102157

Course Introduction / Overview:

The global transition to a low-carbon economy presents both unprecedented challenges and significant opportunities for businesses. Achieving net-zero emissions is no longer a peripheral corporate social responsibility issue but a central pillar of long-term strategy, risk management, and value creation. This intensive training course is meticulously designed to equip professionals with the strategic knowledge and practical tools required to navigate this complex landscape. Drawing on leading frameworks and insights from experts like Mark Carney, whose work in "Value(s): Building a Better World for All" highlights the intersection of finance, climate, and societal values, this program provides a comprehensive A-to-Z guide. Participants will move beyond theoretical concepts to master the development and implementation of robust decarbonization roadmaps. BIG BEN Training Center has structured this course to empower leaders to drive meaningful climate action, enhance corporate resilience, and secure a competitive advantage in a world increasingly defined by sustainability. This journey covers everything from greenhouse gas accounting and setting science-based targets to leveraging low-carbon technologies and engaging with stakeholders, ensuring a holistic understanding of corporate climate strategy.

Target Audience / This training course is suitable for:

- Sustainability Managers and Directors.
- Environmental, Social, and Governance (ESG) Analysts.
- Corporate Strategy and Business Development Professionals.
- Operations and Facility Managers.
- Supply Chain and Procurement Leaders.
- Risk Management and Compliance Officers.
- Finance and Investment Professionals.
- Product Development and Innovation Teams.
- Public Relations and Corporate Communications Specialists.
- Executives and Board Members overseeing sustainability.

Target Sectors and Industries:

- Energy and Utilities.
- Manufacturing and Industrial Goods.
- Transportation and Logistics.
- Construction and Real Estate.
- Financial Services and Investment Banking.
- Technology and Telecommunications.
- Retail and Consumer Goods.
- Agriculture and Food Production.
- Governmental bodies and public sector agencies.
- Consulting and Professional Services.

Target Organizations Departments:

- Sustainability and Corporate Responsibility.
- Strategic Planning and Corporate Development.
- Operations and Production.
- Finance and Accounting.
- Supply Chain Management and Logistics.
- Risk and Compliance.
- Legal and Regulatory Affairs.
- Investor Relations.
- Research and Development (R&D).
- Human Resources.

Course Offerings:

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

- Master the fundamentals of climate science and its implications for business strategy.
- Conduct comprehensive greenhouse gas (GHG) inventories covering Scope 1, 2, and 3 emissions.
- Develop a robust, data-driven decarbonization roadmap aligned with corporate objectives.
- Set credible and ambitious science-based targets (SBTs) for emissions reduction.
- Evaluate and prioritize various decarbonization levers, including energy efficiency and renewable energy.
- Analyze the role of carbon offsetting and carbon capture technologies in a net-zero strategy.
- Integrate climate considerations into financial planning and investment decisions.
- Navigate the evolving landscape of climate-related disclosure frameworks like TCFD.
- Effectively communicate climate strategy and performance to investors, customers, and regulators.
- Lead organizational change to embed sustainability into the corporate culture.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be immersive, practical, and highly interactive, ensuring participants can translate knowledge into actionable strategy. We move beyond traditional lectures to foster a dynamic learning environment built on real-world application. The course heavily features in-depth case studies of leading companies across various sectors, allowing participants to analyze successful decarbonization roadmaps and learn from their challenges. A significant portion of the training is dedicated to hands-on workshops and group exercises where attendees will work collaboratively to develop components of a net-zero plan, such as setting a baseline or evaluating abatement options. These sessions are facilitated by expert instructors who provide personalized feedback and guide discussions. Interactive simulations will challenge participants to make strategic decisions under various climate scenarios, reinforcing key concepts related to risk and opportunity. Peer-to-peer learning is encouraged through structured debates and knowledge-sharing sessions, creating a rich network of professionals dedicated to driving climate action. This blended approach ensures that participants leave not just with information, but with the confidence and competence to lead decarbonization initiatives within their own organizations.

Course Agenda (Course Units):

Unit One Foundations of Corporate Climate Action

- Understanding the science of climate change and the Paris Agreement.
- Defining net zero, carbon neutrality, and other key terminologies.
- The business case for decarbonization: risk, opportunity, and competitive advantage.
- Overview of global climate policy, regulations, and carbon pricing mechanisms.
- Introduction to the Greenhouse Gas (GHG) Protocol corporate standards.
- Identifying key stakeholders and their expectations for climate performance.
- The role of corporate governance in overseeing climate strategy.

Unit Two GHG Accounting and Carbon Footprint Analysis

- Mastering Scope 1 and 2 emissions calculation methodologies.
- Tackling the complexities of Scope 3 (value chain) emissions.
- Establishing an organizational and operational boundary for GHG inventory.
- Best practices for data collection, management, and quality assurance.
- Setting a credible emissions baseline for tracking progress.
- Utilizing tools and software for carbon accounting and reporting.
- Conducting a carbon footprint verification and assurance process.

Unit Three Developing a Strategic Decarbonization Roadmap

- Setting Science-Based Targets (SBTs) in line with the SBTi framework.
- Identifying and prioritizing emissions reduction levers and initiatives.
- Modeling decarbonization pathways and abatement cost curves.
- Integrating energy efficiency and building retrofitting projects.
- Evaluating the transition to renewable energy sources (PPA, on-site generation).
- Strategies for fleet electrification and sustainable transportation.
- Developing a marginal abatement cost curve (MACC) for your organization.

Unit Four Implementation Levers and Sustainable Finance

- Exploring low-carbon technologies, from green hydrogen to electrification.
- The role and criteria for high-quality carbon offsetting projects.
- Introduction to Carbon Capture, Utilization, and Storage (CCUS).
- Implementing an internal carbon price to drive investment decisions.
- Financing the net-zero transition: green bonds, sustainability-linked loans, and other instruments.
- Engaging the supply chain to address Scope 3 emissions.
- Circular economy principles as a decarbonization strategy.

Unit Five Governance, Reporting, and Stakeholder Engagement

- Establishing effective climate governance structures and accountability.
- Reporting in line with the Task Force on Climate-related Financial Disclosures (TCFD).
- Preparing for emerging standards like the ISSB and CSRD.
- Developing a compelling narrative for sustainability reports and investor communications.
- Engaging with investors, customers, and policymakers on your climate journey.
- Building a corporate culture that supports and drives climate ambition.
- Final project: Presenting a draft decarbonization roadmap for a case study company.

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:

Reflection Question: As companies invest heavily in decarbonizing their direct operations (Scope 1 and 2), how can they effectively influence and manage the far more complex and fragmented emissions across their global value chains (Scope 3) without stifling innovation or harming smaller suppliers?

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

This course distinguishes itself by adopting a deeply strategic and integrated perspective on decarbonization, moving beyond a purely technical or compliance-focused approach. While many programs concentrate on the mechanics of carbon accounting, this training emphasizes the development of a decarbonization roadmap as a core component of corporate strategy, directly linked to long-term value creation, risk mitigation, and competitive positioning. A key differentiator is the extensive focus on the practicalities of implementation, particularly in addressing the complexities of Scope 3 value chain emissions, which often represent the largest portion of a company's footprint. We delve into sophisticated topics such as internal carbon pricing, sustainable finance mechanisms, and engaging suppliers to foster a collaborative ecosystem of climate action. The curriculum is designed not just to inform but to empower, using interactive workshops and advanced case studies that challenge participants to think like chief sustainability officers. The course provides a holistic framework that connects climate science, financial planning, operational execution, and stakeholder communication, ensuring graduates are equipped to lead, innovate, and drive authentic and impactful change within their organizations.