Sustainable Project Management and Green Building Training Course

21 - 25 Dec 2026

Berlin

5800 € (Per Person)

Ref: #PRM7634_126291

Course Introduction / Overview:

This comprehensive course offers a deep dive into the critical intersection of project management and sustainable development. In an era where environmental, social, and governance (ESG) criteria are paramount, the ability to deliver projects that are not only on time and budget but also environmentally responsible is a non-negotiable skill. This program is meticulously designed to equip professionals with the methodologies and frameworks needed to lead sustainable projects and adhere to globally recognized green building standards. Drawing on principles articulated by leading academics like Dr. Charles J. Kibert in his seminal work, "Sustainable Construction: Green Building Design and Delivery," the course moves beyond theoretical concepts to provide actionable strategies. Participants will explore the entire sustainable project lifecycle, from initial conception and material sourcing to energy-efficient operations and end-of-life considerations. BIG BEN Training Center has developed this curriculum to empower leaders to reduce environmental impact, enhance resource efficiency, and create long-term value for stakeholders, ensuring projects contribute positively to a sustainable future.

Target Audience / This training course is suitable for:

- Project Managers and Project Directors.
- Architects, Engineers, and Urban Planners.
- Construction Managers and Site Supervisors.
- Sustainability Officers and ESG Consultants.
- Real Estate Developers and Property Managers.
- Facilities Managers and Operations Professionals.
- Procurement and Supply Chain Managers.
- Government Officials in planning and environmental departments.

Target Sectors and Industries:

- Construction and Engineering.
- Real Estate Development and Management.
- Architecture and Urban Planning.
- Government and Public Sector Infrastructure.
- Energy and Utilities.
- Manufacturing and Industrial sectors.
- Consulting and Professional Services.
- Non-profit organizations focused on sustainable development.

Target Organizations Departments:

- Project Management Office (PMO).
- Sustainability and Corporate Social Responsibility (CSR).
- Engineering and Design.
- Operations and Facility Management.
- Procurement and Supply Chain.
- Capital Projects and Development.
- Compliance and Risk Management.
- Strategic Planning.

Course Offerings:

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

- Integrate sustainable principles into every phase of the project lifecycle.
- Analyze and apply major green building standards like LEED and BREEAM.
- Conduct a basic Life Cycle Assessment (LCA) for construction projects.
- Develop strategies for sustainable procurement and supply chain management.
- Implement effective energy and water conservation measures in projects.
- Manage construction waste and promote circular economy principles.
- Identify and mitigate environmental and social risks in project management.
- Align project outcomes with the UN Sustainable Development Goals (SDGs).
- Communicate the value of sustainable projects to key stakeholders.
- Evaluate the financial and non-financial returns of green investments.

Course Methodology:

The training methodology at BIG BEN Training Center is designed for maximum engagement and practical application. This course rejects a purely lecture-based format in favor of a dynamic, interactive learning environment. Participants will engage with real-world case studies of successful and challenging sustainable projects, dissecting the strategies and decisions that led to their outcomes. A significant portion of the course is dedicated to collaborative group workshops where attendees will work in teams to solve complex problems, such as developing a sustainability plan for a mock construction project or evaluating green building materials. These sessions are facilitated by an expert instructor who encourages active discussion, peer-to-peer learning, and critical thinking. The curriculum incorporates interactive exercises, simulation activities, and robust Q&A sessions to ensure concepts are not just understood but can be confidently applied in the workplace. Feedback is a continuous process, allowing participants to refine their understanding and skills throughout the five-day program.

Course Agenda (Course Units):

Unit One: Foundations of Sustainable Project Management

- Introduction to Sustainability in the Built Environment.
- The Triple Bottom Line: People, Planet, and Profit.
- Integrating UN Sustainable Development Goals (SDGs) into Projects.
- The Role of the Sustainable Project Manager.
- Key Principles of Green Building Design.
- Stakeholder Engagement for Sustainable Outcomes.
- The Business Case for Sustainability and Green Buildings.

Unit Two: Green Building Standards and Certification Systems

- Overview of Global Green Building Rating Systems.
- Deep Dive into LEED (Leadership in Energy and Environmental Design).
- Exploring BREEAM (Building Research Establishment Environmental Assessment Method).
- Comparing other regional and international standards (e.g., Green Star, WELL).
- The Certification Process: From Registration to Award.
- Documentation and Compliance Requirements.
- Cost-Benefit Analysis of Pursuing Green Certification.

Unit Three: The Sustainable Project Lifecycle in Practice

- Sustainable Project Initiation and Feasibility Studies.
- Integrating Sustainability into Project Planning and Scope Definition.
- Sustainable Procurement and Green Supply Chain Management.
- Sourcing and Specification of Sustainable Materials.
- Execution Phase: Waste Management and Pollution Control.
- Monitoring and Controlling Environmental Performance Metrics.
- Project Closure: Handover, Commissioning, and Post-Occupancy Evaluation.

Unit Four: Technical Aspects of Green Construction

- Principles of Energy Efficiency and Passive Design.
- Renewable Energy Integration for Buildings.
- Water Conservation and Efficient Water Management Systems.
- Indoor Environmental Quality (IEQ): Health and Well-being.
- Introduction to Life Cycle Assessment (LCA).
- Building Information Modeling (BIM) for Sustainability.
- Innovations in Green Construction Technology and Materials.

Unit Five: Governance, Risk, and Future Trends

- Environmental and Social Risk Management in Projects.
- ESG (Environmental, Social, and Governance) Reporting for Projects.
- Ethical Considerations and Social Responsibility in Construction.
- The Circular Economy in the Built Environment.
- Climate Change Adaptation and Resilient Infrastructure.
- The Future of Green Buildings: Net-Zero and Regenerative Design.
- Developing a Personal Action Plan for Sustainable Leadership.

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:

How can project managers effectively navigate the trade-offs between initial project costs and the long-term economic and environmental benefits of green building standards?

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

This course distinguishes itself by providing a holistic and integrated framework that intrinsically links the discipline of project management with the technicalities of green building. While many programs focus on either project management theory or green certification checklists, this curriculum weaves them together, demonstrating how sustainability must be embedded in every project process, from initiation to closure. It moves beyond mere compliance, fostering a mindset of proactive environmental stewardship and value creation. The content is deeply practical, emphasizing risk management, stakeholder communication, and the financial business case for sustainability, which are often overlooked. Participants will not just learn the "what" of green standards like LEED and BREEAM, but the "how" and "why" of implementing them effectively within real-world project constraints. By focusing on strategic decision-making, Life Cycle Assessment (LCA) principles, and future-forward concepts like the circular economy and regenerative design, the course equips professionals not just for today's challenges but for the evolving landscape of sustainable development.