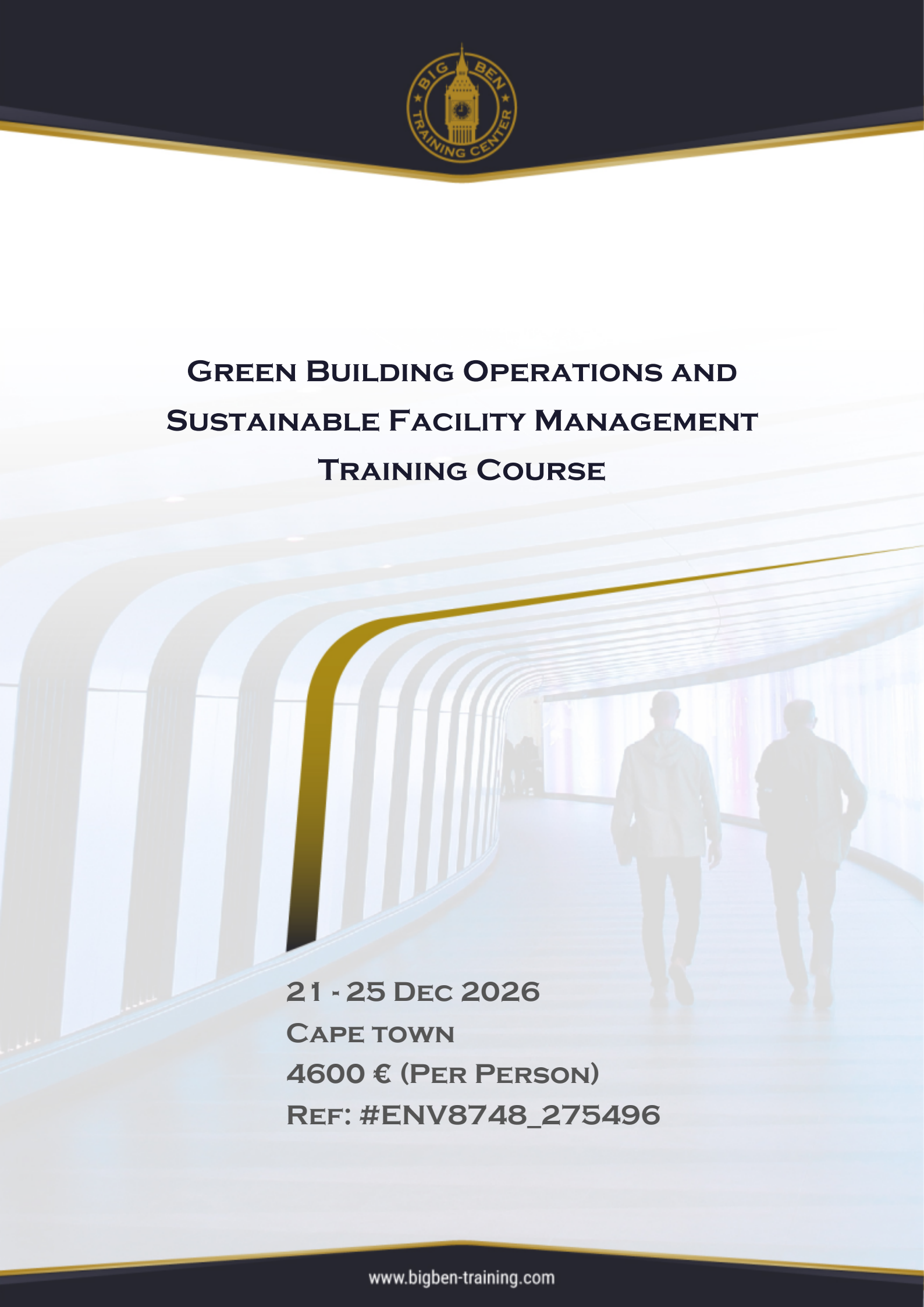
Green Building Operations and Sustainable Facility Management Training Course



21 - 25 Dec 2026

Cape town

4600 € (Per Person)

Ref: #ENV8748_275496

Course Introduction / Overview:

This comprehensive training course provides a deep dive into the critical principles and practices of sustainable facility management and green building operations. In an era where environmental responsibility is paramount, organizations are increasingly seeking professionals who can align facility operations with sustainability goals, reduce environmental impact, and enhance corporate social responsibility. This program is meticulously designed to equip participants with the knowledge to transform conventional facilities into high-performance, sustainable assets. Drawing upon foundational concepts discussed by experts like John C. Williams in works such as "Sustainable Facility Management: The Greening of Corporate Real Estate," the course explores the full spectrum of sustainable practices, from energy and water efficiency to waste reduction and healthy indoor environments. BIG BEN Training Center has developed this curriculum to bridge the gap between theoretical knowledge and practical application, ensuring that attendees can implement effective strategies that yield both environmental benefits and significant operational cost savings, thereby contributing to a resilient and sustainable future.

Target Audience / This training course is suitable for:

- Facility Managers.
- Building Operations Managers.
- Sustainability Officers and Coordinators.
- Corporate Real Estate Managers.
- Asset Managers.
- Environmental, Health, and Safety (EHS) Professionals.
- Project Managers in construction and renovation.
- Procurement and Supply Chain Managers.
- Engineers and Architects focused on building performance.
- Consultants in the green building industry.

Target Sectors and Industries:

- Commercial Real Estate and Property Management.
- Hospitality and Tourism.
- Healthcare Facilities and Hospitals.
- Manufacturing and Industrial Plants.
- Educational Institutions (Universities and Schools).
- Retail and Commercial Centers.
- Technology and Data Centers.
- Government Agencies and Public Sector Buildings.
- Financial and Banking Institutions.
- Non-profit Organizations.

Target Organizations Departments:

- Facility Management and Operations.
- Sustainability and Corporate Social Responsibility (CSR).
- Environmental, Health, and Safety (EHS).
- Corporate Real Estate and Asset Management.
- Procurement and Sourcing.
- Engineering and Maintenance.
- Capital Projects and Development.
- Finance and Administration.
- Risk Management and Compliance.

Course Offerings:

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

- Develop and implement a comprehensive sustainable facility management strategy.
- Conduct energy and water audits to identify conservation opportunities.
- Master waste stream analysis and implement effective waste reduction programs.
- Integrate circular economy principles into facility operations and procurement.
- Enhance indoor environmental quality to promote occupant health and well-being.
- Evaluate and select sustainable building materials and green cleaning products.
- Ensure compliance with key environmental regulations and standards like ISO 14001.
- Utilize smart building technology to optimize resource consumption and building performance.
- Calculate and report on key sustainability metrics and ESG performance indicators.
- Lead stakeholder engagement initiatives to foster a culture of sustainability.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be immersive, interactive, and highly practical. We believe that adult learning is most effective when it combines expert instruction with hands-on application. This course moves beyond traditional lectures to foster a dynamic learning environment where participants actively engage with the material. The program incorporates a blend of detailed presentations, real-world case studies of successful green building projects, and collaborative group workshops. Participants will work in teams to analyze facility management challenges, develop sustainability action plans, and present their strategic solutions. Interactive sessions, facilitated discussions, and problem-solving exercises ensure that theoretical concepts are immediately linked to practical scenarios. This experiential learning approach is reinforced by continuous feedback from the instructor, allowing participants to refine their understanding and build confidence in applying sustainable facility management principles directly to their own organizational contexts.

Course Agenda (Course Units):

Unit One: Foundations of Sustainable Facility Management

- Introduction to Sustainable Facility Management (SFM).
- The business case for green buildings and sustainable operations.
- Global sustainability goals and their impact on the built environment.
- Key principles of sustainability: The triple bottom line.
- Overview of green building rating systems (LEED, BREEAM, WELL).
- Understanding the facility life cycle assessment (LCA).
- Regulatory frameworks and environmental compliance for facilities.

Unit Two: High-Performance Buildings: Energy and Water Efficiency

- Conducting comprehensive energy audits and benchmarking.
- Strategies for reducing energy consumption in buildings.
- Renewable energy integration for facilities (solar, geothermal).
- Implementing smart building technologies and Building Automation Systems (BAS).
- Developing effective water management and conservation plans.
- Techniques for rainwater harvesting and greywater recycling.
- Monitoring, metering, and analyzing utility data for continuous improvement.

Unit Three: Sustainable Waste Management and the Circular Economy

- Principles of integrated solid waste management.
- Conducting a waste stream audit to identify reduction opportunities.
- Implementing the 3Rs: Reduce, Reuse, and Recycle programs.
- Strategies for managing hazardous materials and e-waste responsibly.
- Introduction to circular economy concepts in facility management.
- Sustainable procurement policies and green supply chain management.
- Closing the loop: From waste management to resource management.

Unit Four: Creating Healthy and Productive Indoor Environments

- The importance of Indoor Environmental Quality (IEQ).
- Managing Indoor Air Quality (IAQ): Ventilation and filtration.
- Strategies for thermal comfort and acoustic performance.
- Optimizing natural and artificial lighting for occupant well-being.
- Specifying non-toxic materials and low-VOC products.
- Implementing a comprehensive green cleaning program.
- The link between healthy buildings and employee productivity.

Unit Five: Strategic Implementation, Reporting, and Future Trends

- Developing and implementing a strategic sustainability plan for facilities.
- Introduction to Environmental Management Systems (ISO 14001).
- Key performance indicators (KPIs) for sustainable facility management.
- Environmental, Social, and Governance (ESG) reporting for real estate.
- Engaging stakeholders and fostering a culture of sustainability.
- Change management for implementing new sustainable practices.
- The future of sustainable facilities: AI, IoT, and resilient design.

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:

As smart building technology evolves, how can facility managers balance data-driven efficiency gains with the ethical considerations of occupant privacy and data security?

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

This course distinguishes itself through a holistic and strategic approach that transcends conventional facility management training. While many programs focus narrowly on technical aspects like energy audits or waste sorting, this curriculum integrates these operational tactics into a broader strategic framework encompassing corporate social responsibility, occupant well-being, and long-term asset value. It uniquely emphasizes the principles of the circular economy, teaching participants not just to manage waste but to transform it into a resource, a forward-thinking concept critical for future-proof facilities. Furthermore, the course content is deeply rooted in practical application, moving beyond theory to equip participants with the skills to develop and implement a comprehensive sustainability plan from the ground up. By linking operational efficiency with key business drivers like ESG reporting and employee productivity, the program empowers attendees to champion sustainability as a core business function, making a compelling case for investment and driving meaningful organizational change.