



Sustainability Facility Professional

27 June – 1 July 2027
Kuala Lumpur (Malaysia)



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Introduction

Sustainability in facility operations has become a critical requirement for modern organizations aiming to improve efficiency and reduce environmental impact. This Sustainability Facility Professional course provides an understanding of sustainable facility management practices and their role in organizational performance. It focuses on integrating environmental responsibility with operational excellence in buildings and infrastructure systems. Participants will explore energy optimization, resource conservation, and sustainable maintenance strategies. The program highlights the importance of compliance with global environmental standards and ESG-driven facility operations. Learners will apply sustainable approaches to improve facility performance and long-term resilience.

Targeted Groups

This Sustainability Facility Professional training targets professionals seeking knowledge and skills:

- Facility managers in operational environments.
- Maintenance supervisors in buildings and infrastructure.
- Sustainability officers in organizations.
- Engineers are responsible for building performance.
- Energy management professionals.
- Environmental compliance staff.
- Real estate and property managers.
- Consultants in green building operations.

Course Objectives

Participants will achieve the following objectives by completing the Sustainability Facility Professional course:

- Understand principles of sustainable facility management systems.
- Apply green building operations and maintenance strategies.
- Improve energy efficiency in buildings and infrastructure systems.
- Analyze environmental impact and reduce carbon footprint in facilities.
- Implement ESG facilities management practices in daily operations.
- Evaluate resource consumption and optimize operational efficiency.
- Use environmental management systems EMS in facility planning.
- Support compliance with international sustainability standards.
- Develop sustainable maintenance and lifecycle management plans.
- Enhance decision-making in facility sustainability performance.

Targeted Competencies

Participants will gain the following competencies during the Sustainability Facility Professional program:

- Ability to manage sustainable facility operations effectively.
- Skills in energy efficiency optimization and monitoring.
- Competence in green maintenance practices and planning.
- Understanding of environmental management systems integration.
- Capability to assess sustainability performance indicators.
- Skills in carbon reduction strategies for facilities.
- Knowledge of ESG-aligned facility management practices.
- Ability to improve long-term operational sustainability outcomes.

Studying Scenarios

In this Sustainability Facility Professional training, participants develop skills through the following scenarios:

- Managing energy use in commercial buildings with high consumption.
- Reducing environmental impact in large facility operations.
- Implementing green building certification requirements.
- Optimizing maintenance schedules for sustainability performance.
- Designing carbon-reduction strategies for operational facilities.
- Applying ESG frameworks in real facility management contexts.

Course Content

Unit 1: Foundations of Sustainable Facility Management

- Introduction to sustainability facility management principles.
- Understanding facility management sustainability frameworks.
- Overview of green building operations and standards.
- Role of sustainability in modern infrastructure systems.
- Importance of environmental responsibility in facilities.
- Basics of energy efficiency in buildings and operations.
- Introduction to ESG facilities management concepts.
- Overview of global sustainability regulations in facilities.

Unit 2: Green Building Operations and Energy Efficiency

- Principles of green building operations management.
- Energy efficiency in building optimization methods.
- Smart energy monitoring systems in facilities.
- Sustainable HVAC operation and control systems.
- Lighting efficiency and smart automation systems.
- Reducing energy waste in facility operations.
- Integration of renewable energy in facility systems.
- Energy benchmarking and performance evaluation tools.
- Practical approaches to facility energy optimization.

Unit 3: Environmental Management Systems and Compliance

- Introduction to environmental management systems EMS.
- EMS implementation in facility operations.
- Compliance with environmental sustainability standards.
- Monitoring environmental performance in facilities.
- Waste management strategies in sustainable operations.
- Water conservation techniques in facility systems.
- Environmental risk identification and mitigation.
- Reporting sustainability performance in facilities.
- Audit readiness for environmental compliance systems.
- Integration of EMS with facility management processes.

Unit 4: Carbon Reduction and ESG Facility Strategies

- Carbon footprint reduction in facilities operations.
- ESG facilities management integration strategies.
- Sustainable procurement for facility operations.
- Low-carbon building management techniques.
- Measurement of emissions in facility systems.
- Reporting carbon performance indicators effectively.
- Climate risk adaptation in facility planning.
- Sustainable lifecycle asset management approaches.
- ESG compliance frameworks in facility governance.
- Green innovation strategies for facility improvement.

Unit 5: Sustainable Maintenance and Operational Excellence

- Green maintenance practices in facility operations.
- Predictive maintenance for sustainability performance.
- Resource optimization in maintenance planning.
- Sustainable asset lifecycle management systems.
- Reducing operational waste in maintenance activities.
- Improving facility performance through sustainability audits.
- Integration of digital tools in facility maintenance.
- Enhancing operational resilience through sustainability.
- Cost efficiency through sustainable maintenance strategies.
- Continuous improvement in facility sustainability performance.

Final Insights & Key Takeaways

Sustainable facility management integrates environmental responsibility with operational efficiency to ensure long-term value creation. Mastering these practices enables organizations to reduce environmental impact while improving performance and compliance standards.