ENERGY, ENVIRONMENTAL & SUSTAINABLE FACILITIES MANAGEMENT COURSE

Introduction

The Energy, Environmental & Sustainable Facilities Management Course is a comprehensive professional programme designed to equip facilities managers, property professionals, engineers, sustainability practitioners, operations managers and other built-environment professionals with the knowledge and practical skills required to manage energy-efficient, environmentally responsible, resource-efficient and sustainable facilities. The programme explores how facilities can reduce operating costs and environmental impacts while improving operational efficiency, occupant comfort, asset performance and long-term organizational sustainability. Participants examine energy management, resource efficiency, water conservation, waste management, environmental performance, sustainable building operations and climate-conscious facilities strategies. The course provides practical approaches to identifying energy-saving opportunities, improving the performance of building systems, reducing unnecessary resource consumption and integrating sustainability into everyday facilities operations. It also considers sustainable maintenance practices, green procurement, waste reduction, recycling, water-efficiency measures and responsible management of facility resources. Participants will further explore environmental risks, sustainability policies, energy and environmental monitoring, performance indicators, sustainability reporting and continuous improvement. The programme also examines the role of smart technologies, renewable energy, efficient building systems and data-driven facility management in improving environmental performance and supporting long-term sustainability objectives. Particular attention is given to integrating sustainability into facility planning, budgeting, maintenance, procurement, workplace management and asset lifecycle decisions, ensuring that environmental considerations become part of mainstream facilities management rather than a separate organizational initiative.

Course Objectives

- Understand sustainable facility management.
- Develop energy management programmes.
- Reduce facility energy consumption.
- Improve water efficiency.
- Develop waste-management strategies.
- Reduce environmental impacts.
- Improve sustainable procurement.
- Monitor environmental performance.
- Develop sustainability KPIs.
- Integrate sustainability into facility strategy.

Course Modules

> Module 1: Sustainable Facilities Management
- Sustainability principles
- Sustainable facilities
- Environmental responsibility
- Sustainability strategy

> Module 2: Energy Management
- Energy consumption
- Energy audits
- Energy efficiency
- Energy-saving opportunities

> Module 3: Building Energy Systems
- HVAC efficiency
- Lighting systems
- Electrical systems
- Building controls

> Module 4: Water Management
- Water consumption
- Water efficiency
- Leak management

- Water conservation

> Module 5: Waste Management
- Waste reduction
- Recycling
- Waste segregation
- Waste contractors

> Module 6: Sustainable Procurement
- Sustainable purchasing
- Supplier assessment
- Lifecycle considerations
- Green procurement

> Module 7: Environmental Management
- Environmental risks
- Pollution prevention
- Environmental monitoring
- Environmental compliance

> Module 8: Sustainable Workplace
- Green workplace practices
- Employee engagement
- Sustainable operations
- Behavioral change

> Module 9: Sustainability Measurement
- Sustainability KPIs
- Energy benchmarking
- Environmental reporting
- Performance dashboards

> Module 10: Future Sustainable Facilities
- Net-zero concepts
- Smart buildings
- Climate resilience
- Sustainable facility strategies

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