



*Training Course:
Sustainable Engineering Practices*

12 - 16 October 2025

Dubai (UAE)

Residence Inn by Marriott Sheikh Zayed Road, Dubai

Training Course: Sustainable Engineering Practices

Training Course code: SC235865 From: 12 - 16 October 2025 Venue: Dubai (UAE) - Residence Inn by Marriott Sheikh Zayed Road, Dubai Training Course Fees: 4900 € Euro

Introduction

This training program, Sustainable Engineering Practices, is designed by Global Horizon Training Center to emphasize the importance of environmentally friendly design and implementation strategies. This program focuses on aligning engineering projects with sustainability goals, promoting eco-friendly practices, and reducing environmental impact through innovative solutions. Participants will gain practical insights into integrating sustainability principles within their engineering processes to enhance efficiency and achieve long-term success.

Objectives

By the end of this training program, participants will be able to:

- Understand the principles of sustainable engineering and their relevance to various industries.
- Develop strategies to incorporate sustainability into engineering projects.
- Assess environmental impacts and implement mitigation measures.
- Apply energy-efficient practices and technologies.
- Promote eco-friendly practices throughout the project lifecycle.
- Align engineering projects with global sustainability goals and standards.

Course Methodology

This training program will employ a variety of learning methodologies to ensure effective knowledge transfer, including:

- Lectures and Presentations: To introduce sustainability concepts and frameworks.
- Case Studies: To showcase successful sustainable engineering projects.
- Group Discussions: To encourage knowledge sharing and collaborative problem-solving.
- Workshops: To develop practical solutions for sustainability challenges.
- Feedback and Evaluation: To ensure continuous improvement and learning.

Organizational Impact

Upon completing this training program, the organization will benefit from:

- Enhanced sustainability performance across projects.
- Improved resource efficiency and cost savings.
- Reduced environmental impact through eco-friendly practices.
- Strengthened reputation as a socially responsible organization.
- Better alignment with global sustainability standards and regulations.
- Increased innovation through the application of sustainable technologies.

Target Audience

This program is ideal for:

- Engineers and Technical Experts
- Project Managers
- Environmental Specialists
- Sustainability Consultants
- Architects and Urban Planners
- Professionals involved in infrastructure and construction projects

Course Outline

Day 1: Introduction to Sustainable Engineering Principles

- Overview of sustainability concepts and definitions
- Environmental, social, and economic pillars of sustainability
- The role of engineering in promoting sustainability
- Assessing the environmental impact of projects
- International sustainability standards and frameworks

Day 2: Eco-Friendly Design and Planning

- Principles of green building and sustainable infrastructure

- Designing for energy efficiency and resource conservation
- Implementing life cycle assessment LCA
- Strategies for minimizing carbon footprint
- Incorporating sustainability into the project planning phase

Day 3: Sustainable Technologies and Innovations

- Renewable energy solutions and their applications
- Energy-efficient technologies for engineering projects
- Waste management and recycling techniques
- Water conservation strategies
- Smart technologies for sustainable engineering

Day 4: Implementation and Monitoring

- Developing sustainable implementation plans
- Monitoring sustainability performance through KPIs
- Reporting and documentation of sustainability initiatives
- Stakeholder engagement for sustainability projects
- Evaluating and improving sustainability practices

Day 5: Practical Applications and Case Studies

- Analysis of successful sustainable engineering projects
- Group exercises to develop sustainability plans
- Workshops on implementing eco-friendly solutions
- Feedback, Q&A, and course conclusion

Registration form on the Training Course: Sustainable Engineering Practices

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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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