



*Training Course:
The Building Maintenance and Operations*

*2 - 6 March 2025
Alexandria (Egypt)*

Training Course: The Building Maintenance and Operations

Training Course code: EN234908 From: 2 - 6 March 2025 Venue: Alexandria (Egypt) - Training Course Fees: 4750 € Euro

Introduction:

This course provides information property and facility managers will need to manage building systems' ongoing operation and maintenance and maximize building efficiency and cost-effectiveness. You will learn about building design and construction, project delivery, construction materials, and HVAC heating, ventilating, and air conditioning systems. Other areas of interest covered in this course book include roofing systems, ceilings and floorings, interior walls, and plumbing systems.

Objectives:

Upon successful completion of this course, learners will be able to:

- Implement maintenance best practices for building systems to achieve efficiencies and cost savings
- Support maintenance of building structural components in the design and construction of facilities by selecting and recommending the appropriate materials
- Describe best practices for the design, operation, and maintenance of HVAC and plumbing systems
- Demonstrate a working knowledge of the systems required for ensuring the preservation of a building's structural integrity
- Take control of your assets and improve overall operational efficiencies

Objectives:

- Building design and construction
- Construction materials
- Structural systems
- Heating, ventilating, and air conditioning
- Plumbing systems
- The building envelope
- Building system controls
- Lifecycle costing

- Roofing
- Interior walls, ceilings, and flooring

Course Outlines:

Day 1:

- Building Design and Construction: Project Initiation
- Building Design and Construction: Project Delivery
- Fundamental Materials for Building Construction
- Structural Systems

Day 2:

- The Building Envelope
- Roofing Systems for Building Protection
- Installing Interior Walls: Types, Materials, and Finishes

Day 3:

- Defining Space with Ceilings and Flooring
- Heating, Ventilating, and Air-Conditioning for Human Comfort
- Air-Circulating Systems
- Cooling Systems for the Interior Building Environment

Day 4:

- Efficient Heating Systems for Buildings
- HVAC Distribution Systems
- Maximizing Human Comfort with HVAC Control Systems

Day 5:

- Ensuring Optimal HVAC Operation and Maintenance
- Plumbing Systems



- Case Study: Facilities Management

Registration form on the Training Course: The Building Maintenance and Operations

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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