



*Training Course:
Certified Data Center Facilities Operations
Manager*

*14 - 18 September 2026
Casablanca (Morocco)*

Training Course: Certified Data Center Facilities Operations Manager

Training Course code: EN236460 From: 14 - 18 September 2026 Venue: Casablanca (Morocco) - Training Course Fees: 5550 € Euro

Introduction

Data centers are the backbone of modern digital infrastructure, supporting critical IT operations, cloud services, and enterprise systems. Ensuring the reliability, efficiency, and security of data center facilities requires specialized knowledge in infrastructure management, power systems, cooling, risk management, and operational best practices.

This program, developed by **Global Horizon Training Center**, is designed to equip professionals with the competencies required to manage and operate data center facilities effectively. It focuses on facility infrastructure, operational efficiency, maintenance strategies, and compliance with international standards.

Course Objectives

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

- Understand data center infrastructure components and operations
- Manage power, cooling, and environmental control systems
- Apply best practices in facility operations and maintenance
- Ensure high availability and reliability of data center systems
- Identify and mitigate operational risks
- Implement monitoring and performance management systems
- Ensure compliance with international standards and regulations
- Optimize energy efficiency and sustainability

Target Audience

This program is designed for:

- Data Center Operations Managers
- Facilities and Infrastructure Engineers
- IT and Technical Operations Professionals
- Maintenance and Reliability Engineers
- Facility Management Professionals
- Professionals aspiring to manage data center operations

Outline

Day 1: Data Center Fundamentals and Infrastructure Overview

- Introduction to data center operations and facility management
- Types of data centers enterprise, colocation, hyperscale
- Key infrastructure components power, cooling, IT systems
- Data center standards and classifications Tier I-IV
- Operational roles and responsibilities

Day 2: Power Systems and Electrical Infrastructure

- Power distribution systems UPS, generators, PDUs
- Redundancy and reliability design N, N+1, 2N
- Electrical safety and risk management
- Monitoring and control of power systems
- Maintenance and testing procedures

Day 3: Cooling Systems and Environmental Management

- Cooling technologies CRAC, CRAH, liquid cooling
- Airflow management and containment strategies
- Temperature and humidity control
- Energy efficiency and PUE optimization
- Environmental monitoring systems

Day 4: Operations, Maintenance, and Risk Management

- Preventive and predictive maintenance strategies
- Incident and problem management
- Risk assessment and mitigation
- Business continuity and disaster recovery
- Security and access control in data centers

Day 5: Performance Optimization and Compliance

- Performance monitoring and KPIs
- Data center management tools DCIM systems
- Compliance with standards ISO, TIA, Uptime Institute
- Sustainability and green data centers
- Final workshop: Developing a data center operations strategy

Registration form on the Training Course: Certified Data Center Facilities Operations Manager

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