



Healthcare Facility Management Course: Hospital Utilities, Life Safety and Environment of Care

15 – 19 March 2027

Barcelona - Eixample district four-star



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Introduction:

Healthcare facility management, covering hospital utilities, life safety and the environment of care, is a 5-day course for hospital facility, engineering and estates managers that ends with an Environment of Care Management Plan for a case hospital. Hospitals face cancelled procedures, patient harm and survey findings when power transfers fail, water systems breed pathogens, fire barriers are breached and support contracts in clinical zones go unmonitored. Nominees already manage plant rooms, maintenance staff or service contractors and work through inspection walkthroughs of utility, fire and ward evidence. CoreConcept Training Center delivers this healthcare facility management course.

Course Objectives:

- Structure a hospital environment of care programme with named owners for safety, security, hazardous materials, fire safety, equipment interfaces and utilities
- Rank critical utility systems by clinical consequence and verify emergency power transfer, generator load tests and fuel autonomy records
- Implement a water management plan and verify pressure relationships in isolation rooms, theatres and other controlled clinical spaces
- Survey fire compartmentation, smoke barriers and penetrations, and apply interim life safety measures whenever fire protection is impaired
- Write utility failure contingency procedures and set service level agreements for cleaning, portering and catering contractors in clinical areas
- Prepare facility evidence for accreditation tracers and assemble an Environment of Care Management Plan for a case hospital

Target Audience:

- Hospital facility management teams responsible for the environment of care programme and its committee reporting
 - Hospital engineering and plant teams responsible for electrical distribution, emergency generators, water systems and ventilation
 - Estates and maintenance supervisors responsible for planned maintenance, fire barrier repairs and contractor permits on clinical premises
 - Support services managers responsible for cleaning, portering, catering, waste and security contracts in clinical zones
 - Quality and accreditation coordinators responsible for collecting facility evidence ahead of external surveys
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Course Outline:

Day 1: Healthcare Facility Management Context and Environment of Care Baseline

- Healthcare Facility Management Scope Across Hard and Soft Services
- ISO 41001 Facility Management System Applied to Hospital Estates
- Environment of Care Programme Elements and Accountable Owners
- Hospital Building Risk Profile by Clinical Zone and Occupancy
- Environment of Care Baseline Walkround Using a Gap Checklist

Day 2: Critical Utility Systems, Emergency Power and Water Safety

- Utility Systems Inventory and Critical Component Risk Ranking
- NFPA 99 Essential Electrical System Branches and Transfer Testing
- Emergency Generator Load Bank Testing and Fuel Autonomy Records
- Water Management Plan for Legionella and Waterborne Pathogen Control
- Pressure Relationship Verification for Isolation Rooms and Theatres

Day 3: Life Safety, Fire Protection and Environment of Care Rounds

- NFPA 101 Life Safety Code Principles for Healthcare Occupancies
- Fire Compartmentation, Smoke Barriers and Penetration Control Surveys
- Defend-in-Place Fire Response and Horizontal Evacuation Drills
- Interim Life Safety Measures During Impairments and Building Works
- Environment of Care Rounds Scheduling and Deficiency Tracking Log

Day 4: Utility Failure Contingency, Soft FM Contracts and Tracer Readiness

- Utility Failure Contingency Procedures for Power, Water and Ventilation
- Hazard Vulnerability Analysis for Hospital Infrastructure Disruption
- Soft FM Service Level Agreements for Cleaning, Portering and Catering
- Hazardous Materials and Waste Handling Controls in Clinical Areas
- Accreditation Tracer Methodology for Facility and Utility Evidence

Day 5: Inspection Walkthrough: Environment of Care Plan for a Case Hospital

- Case Hospital Utility and Life Safety Walkthrough Findings Review
 - Utility Failure Contingency Plan Drafting for the Case Hospital
 - Environment of Care KPI Dashboard and Committee Reporting Pack
 - Mock Facility Tracer Interview and Evidence File Assembly
 - Environment of Care Management Plan Completion and Peer Review
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Skills You Will Gain:

- Environment of Care Programming
- Utility Risk Ranking
- Emergency Power Verification
- Water Safety Planning
- Fire Barrier Surveying
- Utility Outage Contingency Planning
- Support Services Contract Monitoring
- Facility Tracer Preparation

Why Attend This Course:

- Deliver an Environment of Care Management Plan for a case hospital, with its utility failure contingency plan, to the hospital director and the environment of care committee
- Decide which utility components are critical, when interim life safety measures apply and which contractor service failures need escalation
- Avoid cancelled procedures, waterborne infection outbreaks and survey findings caused by untested generators, stagnant water and breached fire barriers
- Equip engineering, support services and ward colleagues with rounds checklists, contingency cards and tracer evidence templates

Conclusion:

Back at work, the participant presents the Environment of Care Management Plan to the hospital director and the environment of care committee. The committee uses it to approve utility testing schedules, the water management plan, fire barrier repair priorities, support services performance reviews and the contingency procedures that wards follow during an outage. After the first utility failure drill or external survey under the plan, the organisation should review response times, open deficiencies, contractor scores and tracer findings, then revise the weaker elements of the plan.

Frequently Asked Questions FAQ:

What should participants know before a healthcare facility management course on hospital utilities and the environment of care?

Participants should already manage or supervise hospital engineering, estates or support services and know how their site logs maintenance and fire checks. An anonymised generator test record, rounds report or support services contract helps during the walkthrough exercises.

How does healthcare facility management differ from a medical equipment management or ventilation design course?

It covers how a hospital runs its building, utilities, fire safety and support services as one environment of care programme. Medical equipment courses focus on device maintenance and replacement, while ventilation design courses size and specify air systems rather than operate them.

Why does healthcare facility management need a utility failure contingency plan?

Clinical services depend on power, water, ventilation and communications every minute. A contingency plan tells each ward and plant team what to do when a utility fails, who restores it, which alternatives apply and how patients are protected until service returns.

What do participants take back from the healthcare facility management course?

Participants take back an Environment of Care Management Plan for a case hospital, with a utility risk ranking, a contingency procedure set, a rounds checklist, a support services scorecard and a tracer evidence index they can adapt to their own hospital.
