Healthcare Legionella and Water Safety Management Training Course

14 – 18 February 2027
Muscat

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Ref: 1363_200695 **Date:** 14 – 18 February 2027 **Location:** Muscat **Fees:** 5700 Euro

Overview

Healthcare Legionella and Water Safety Management Training Course is a one-week intermediate course for facilities, infection prevention, engineering, and safety personnel who leave with a Healthcare Water Safety Action Plan. Participants map building water systems, assess hazardous conditions, establish control limits, monitor performance, coordinate corrective actions, and prepare incident response. The course links multidisciplinary governance with evidence from hospitals, care facilities, and clinical services. Agile Leaders Training Center presents healthcare water safety through applied risk controls.

Who Should Attend

- Functions responsible for healthcare facilities and building water systems
- Teams responsible for infection prevention and patient safety
- Personnel responsible for estates, engineering, maintenance, and utilities
- Groups responsible for water safety governance and assurance
- Functions responsible for occupational health, safety, and incident coordination

The course assumes participants support or oversee healthcare premises and leaves out laboratory analyst qualification, clinical diagnosis, and water-treatment system design.

Departments and Industries

The course supports departments and industries responsible for safe water use around vulnerable people.

- Hospitals, clinics, and diagnostic facilities
- Long-term care, rehabilitation, and residential care services
- Facilities, engineering, maintenance, and capital projects
- Infection prevention, patient safety, and clinical governance
- Hospitality, laboratories, and building management services supporting healthcare estates

Learning Objectives

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

- Build a healthcare water-system description and flow diagram
- Apply a Legionella hazard and exposure assessment
- Prioritize control locations, limits, and monitoring tasks
- Analyze deviations and select corrective actions
- Evaluate verification, validation, and documentation evidence

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- Build a Healthcare Water Safety Action Plan

Course Agenda

Day 1: Healthcare Water Risk Foundations

- Waterborne Hazard and Exposure Pathway Map
- Vulnerable Patient Susceptibility Profile
- Multidisciplinary Water Safety Team Charter
- Building Water-System Description Template
- Healthcare Water Governance Responsibility Matrix

Day 2: System Mapping and Risk Assessment

- Water-System Flow Diagram Method
- Legionella Growth Condition Checklist
- Aerosol and Clinical Exposure Assessment
- Asset and Outlet Risk Register
- Hazard Prioritization Matrix

Day 3: Control Measures and Monitoring

- Temperature and Stagnation Control Strategy
- Control Location and Limit Register
- Flushing and Low-Use Outlet Schedule
- Monitoring Route and Record Sheet
- Deviation Escalation Decision Tree

Day 4: Assurance and Incident Response

- Corrective Action Selection Matrix
- Verification and Validation Evidence Plan
- Water Safety Documentation Control Log
- Suspected Case Response Coordination Map
- Incident Investigation and Communication Protocol

Day 5: Healthcare Water Safety Practice

- Exercise: Map a Hospital Water-System Scenario
- Exercise: Score Legionella Hazard and Exposure Evidence
- Exercise: Diagnose a Control-Limit Deviation
- Exercise: Review Verification and Incident Records
- Capstone Exercise: Healthcare Water Safety Action Plan

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Practical Exercises

The course uses suggested activities based on hospital, care-facility, and clinical-service scenarios.

- Suggested activity: map supply, storage, distribution, outlets, devices, and exposure pathways for a selected facility.
- Suggested activity: assess temperature, stagnation, aerosol, patient susceptibility, and maintenance evidence in a risk register.
- Suggested activity: select monitoring points, limits, records, escalation routes, and corrective actions for a control deviation.
- Suggested activity: build a Healthcare Water Safety Action Plan with owners, evidence, priorities, and review points.

FAQs

What is healthcare Legionella and water safety management?

Healthcare Legionella and water safety management is the coordinated assessment and control of building water hazards, exposure pathways, vulnerable populations, monitoring evidence, corrective actions, and assurance records.

Who suits healthcare Legionella training, and what does it assume?

Healthcare Legionella training suits facilities, engineering, infection prevention, safety, and governance functions and assumes practical involvement in premises, utilities, maintenance, or patient-safety controls.

How does healthcare water safety training differ from water-treatment design training?

Healthcare water safety training focuses on risk governance, exposure control, monitoring, escalation, and assurance, while water-treatment design training focuses on engineering calculations, equipment selection, and treatment-system specification.

How does a healthcare water management plan control Legionella risk?

A healthcare water management plan controls Legionella risk by describing systems, locating hazardous conditions, assigning controls, defining limits, monitoring performance, correcting deviations, and testing whether the plan operates effectively.

What evidence supports Legionella water safety assurance?

Legionella water safety assurance uses current system diagrams, risk assessments, monitoring records, corrective-action logs, verification reviews, incident evidence, and documented decisions by the responsible multidisciplinary group.

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Conclusion

The course connects system mapping, Legionella risk assessment, control measures, monitoring, corrective action, incident response, and assurance. Participants take back a Healthcare Water Safety Action Plan with priorities, owners, evidence requirements, and review points. The plan changes how healthcare teams coordinate water risks, respond to deviations, and document control effectiveness.