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COURSE BROCHURE

Multi-Site Estate Engineering Services Upkeep Training Course

28 February – 11 March 2027
Cairo

Multi-Site Estate Engineering Services Upkeep Training Course

Ref: 423_15106 **Date:** 28 February – 11 March 2027 **Location:** Cairo **Fees:** 6500 GBP

Multi-Site Estate Engineering Services Upkeep is a 2-week advanced training course for facilities managers, building services engineers and estate managers who run HVAC, electrical, plumbing, fire and lift systems across a portfolio of buildings, ending with an Estate Engineering Services Upkeep Plan. Owners of hospitals, campuses, offices and malls now expect every site to meet the same comfort, safety and energy standards. Jupiter Prime Training offers this course for those who manage whole estates.

Why Multi-Site Estate Engineering Services Upkeep Matters Now

Three groups shape engineering services upkeep across an estate today: occupants and tenants who judge a portfolio by comfort and lift availability, finance teams that want capital replacement spread evenly across sites, and safety authorities whose statutory inspections of fire, electrical and lift systems leave no room for missed visits. Estates that manage these pressures well keep buildings compliant and running at predictable cost; estates that do not face failed inspections, tenant complaints and sudden capital shocks. The course uses ISO 55001 to connect building systems to asset management objectives and EN 13306 to define maintenance work consistently across sites and contractors.

Who Gains Most from Multi-Site Estate Engineering Services Upkeep

- Managers responsible for maintenance budgets and service levels across several buildings
- Engineers who set planned preventive maintenance standards for mechanical and electrical plant
- Leads who supervise facilities management contractors and helpdesk performance
- Managers who prepare lifecycle replacement and capital investment plans for an estate
- Specialists who oversee building management systems, metering and energy reporting

An estates department gains most when its facilities manager, a building services engineer and the contract lead attend together and leave with one portfolio-wide maintenance standard.

Multi-Site Estate Engineering Services Upkeep Capabilities

Participants move from fixing one building at a time to steering a portfolio of building services through shared standards, condition data and contractor performance.

- Assess building condition across sites with a common survey method — capital replacement priorities
- Design planned preventive maintenance standards for each system type — consistent service across the estate
- Build a statutory inspection calendar for fire, electrical and lift systems — safety and insurance compliance
- Specify facilities management service levels and helpdesk targets — contractor performance reviews
- Apply building management system data to fault detection and energy savings — operating cost decisions
- Calculate lifecycle replacement forecasts by asset type — long-term estate budgets

Key Multi-Site Estate Engineering Services Upkeep Terms

- Planned preventive maintenance — scheduled tasks on building plant at set intervals to prevent failure and keep systems compliant.
- Condition survey — a structured inspection that rates the state and remaining life of building elements and services.
- Building management system — a control network that monitors and adjusts HVAC, lighting and other services from one interface.
- Statutory inspection — a legally required periodic check of systems such as fire alarms, lifts or electrical installations.
- Lifecycle replacement plan — a forecast of when building systems reach end of life and what replacing them will cost.
- Helpdesk service level — the agreed response and fix times for occupant-reported building faults.

Multi-Site Estate Engineering Services Upkeep Day by Day

Day 1: The Estate as a Portfolio

- Estate Asset Register Structure — Sites, Buildings, Systems and Components
- Portfolio Segmentation — Critical, Standard and Low-Use Buildings
- ISO 55001 Line of Sight — Linking Building Systems to Estate Objectives
- Occupant and Tenant Expectations — Comfort, Availability and Response
- EN 13306 Work Types — Common Language Across Sites and Contractors

Day 2: Condition Surveys and Data

- Condition Rating Scales — Consistent Scoring Across Buildings
- Survey Planning and Sampling — Covering Large Estates Efficiently
- Remaining Life Estimation — Plant Age, Duty and Condition
- Building Data Standards — Tagging Equipment for the CAFM System
- Survey Findings Dashboard — Ranking Sites by Risk

Day 3: HVAC and Water Systems Across Sites

- Chiller and Air Handling Unit Maintenance Standards — Portfolio-Wide Task Lists
- Cooling Tower and Water Hygiene Controls — Legionella Risk Management
- Plumbing, Drainage and Booster Pump Routines — Preventing Water Outages
- Filter and Coil Cleaning Regimes — Air Quality and Energy Effects
- Seasonal Readiness Checks — Preparing Plant for Peak Cooling

Day 4: Electrical, Fire and Lift Systems

- Low-Voltage Distribution and Standby Generator Maintenance — Power Continuity
- Fire Alarm, Sprinkler and Suppression Testing — Life Safety Assurance
- Lift and Escalator Maintenance Regimes — Availability and Entrapment Risk
- Emergency Lighting and Exit Signage Checks — Evacuation Readiness
- Statutory Inspection Calendar — Scheduling Third-Party Examinations

Day 5: Planned Preventive Maintenance Design

- PPM Standard Library — Task Sets by System Type
- Frequency Setting Rules — Manufacturer Guidance, Criticality and History
- Reactive Versus Planned Ratio Targets — Shifting the Workload Balance
- Seasonal and Out-of-Hours Scheduling — Minimising Occupant Disruption
- PPM Compliance Reporting — Proving Tasks Were Completed

Day 6: Facilities Management Delivery Models

- In-House, Outsourced and Hybrid FM Models — Choosing per Region
- Hard Services Contract Scope — Mechanical, Electrical and Fabric Work
- Service Level Agreements and Key Performance Indicators — Response and Fix Times
- Helpdesk and CAFM Workflow — From Fault Report to Close-Out
- Contractor Audits and Performance Reviews — Monthly Scorecards per Site

Day 7: Building Management Systems and Analytics

- BMS Architecture and Points Lists — What the System Can See
- Alarm Management — Reducing Nuisance Alarms and Missed Faults
- Fault Detection and Diagnostics — Spotting Plant Problems From Trends
- Remote Monitoring Centres — Supervising Many Sites From One Room
- BMS Cyber Hygiene — Protecting Building Controls From Intrusion

Day 8: Energy and Utility Performance

- Metering and Sub-Metering Strategy — Measuring Consumption by Site and System
- Energy Benchmarking Across Buildings — Identifying High Users
- Setpoint and Schedule Optimisation — Low-Cost Savings
- Retrofit Options Appraisal — Variable Speed Drives, LED and Heat Recovery
- Energy Savings Verification — Separating Weather From Real Gains

Day 9: Lifecycle and Capital Planning

- Lifecycle Cost Model for Building Plant — Repair Versus Replace
- Capital Replacement Forecast — Ten-Year View by Site
- Prioritisation Matrix — Risk, Condition and Occupant Impact
- Backlog Maintenance Valuation — Presenting Deferred Work to Owners
- Funding Case for Investment — Board Paper Structure

Day 10: Practising the Estate Engineering Services Upkeep Plan

- Condition Survey Findings Applied — Ranking Sites and Systems
- PPM Standards and Inspection Calendar Applied — Setting Annual Tasks
- FM Service Levels and BMS Monitoring Applied — Defining Performance Controls
- Lifecycle and Energy Findings Applied — Building the Investment Schedule
- Estate Engineering Services Upkeep Plan Completion — Ready for Owner Approval

Applying Multi-Site Estate Engineering Services Upkeep After the Course

- Run a condition survey of one building using the common rating scale and add the results to the estate asset register.
- Build a statutory inspection calendar for fire, electrical and lift systems across all sites and assign an owner to each visit.

Multi-Site Estate Engineering Services Upkeep Questions FAQ

What is multi-site estate engineering services upkeep and why does it matter now?

Multi-site estate engineering services upkeep is the practice of keeping HVAC, electrical, plumbing, fire and lift systems safe, compliant and efficient across buildings. It matters now because hospitals, universities and commercial estates face tighter inspection regimes, rising energy costs and ageing plant.

Which roles gain most from multi-site estate engineering services upkeep?

Facilities managers, building services engineers and estate managers gain most. They set maintenance standards, supervise contractors and plan capital replacement, so portfolio-wide methods for condition surveys and service levels change how whole estates are run.

How does multi-site estate engineering services upkeep differ from a system-by-system building maintenance course?

It takes the estate view. A system-by-system course teaches how to maintain each plant type in one building; here participants set common standards, manage contractors and helpdesks, and plan lifecycle investment across a portfolio of sites.

What do you bring back from multi-site estate engineering services upkeep training?

You bring back a portfolio maintenance agenda for your estate. It ranks sites by condition, sets PPM standards and a statutory inspection calendar, defines contractor service levels and outlines a lifecycle investment schedule.

Multi-Site Estate Engineering Services Upkeep: The Way Forward

The Estate Engineering Services Upkeep Plan gives owners and estate managers one view of standards, inspections, contractors and investment across all sites. Its first decision is which buildings receive priority capital spending. Facilities managers and contract leads use it monthly. After the first year, revisit the condition scores to confirm the capital forecast still matches reality.