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COURSE BROCHURE

# Engineering Plant and Services O&M from Handover Training Course

31 October – 4 November 2027
Doha

# Engineering Plant and Services O&M from Handover Training Course

**Ref:** 1269_47727 **Date:** 31 October – 4 November 2027 **Location:** Doha **Fees:** 6500 GBP

Engineering Plant and Services O&M from Handover is a 1-week training course for plant engineers, facilities managers and O&M supervisors who inherit boilers, pumps, generators, water systems and electrical services when a project ends, and who leave with a site O&M plan for one engineering plant. Many new or refurbished sites reach operators with incomplete manuals, untagged assets and unclear warranties. Jupiter Prime Training runs this course in engineering plant and services O&M from handover.

## Why Engineering Plant and Services O&M from Handover Matters Now

Project teams, operating teams and outsourced service providers meet at handover, and what falls between them shapes years of running cost. A site accepted without a verified asset register, tested systems and usable O&M manuals spends its first years chasing missing data, voided warranties and repeat callouts; a site whose operators shape handover requirements early starts with planned maintenance loaded, spares on the shelf and service contracts matched to the plant. The course uses ISO 55001 for asset management systems and EN 13306 maintenance terminology to set handover and O&M requirements in shared language.

## Who Gains Most from Engineering Plant and Services O&M from Handover

- Plant engineers who accept mechanical and electrical systems from contractors
- Facilities managers responsible for hospitals, universities, airports or industrial sites after completion
- O&M supervisors who run daily operation of plant rooms and utility systems
- Contract leads who scope and manage outsourced service and maintenance providers
- Project engineers who prepare handover packages and close out defects

A client organisation gains most when its project and operations staff attend together, because handover requirements are then written by the people who will live with the plant.

## Engineering Plant and Services O&M from Handover Capabilities

Participants trace the path from final commissioning to steady operation and decide what each plant system needs in its first years.

- Specify handover requirements for O&M manuals, as-built records and test certificates — contractor close-out
- Build an asset register with tagging, hierarchy and criticality — planned maintenance loading
- Design an O&M strategy for each plant system — in-house versus outsourced decisions
- Assess service contract scope, response times and performance terms — contractor selection
- Apply warranty and defects-period tracking — recovery of contractor obligations
- Communicate operating readiness to site leadership — go-live approval

## Key Engineering Plant and Services O&M from Handover Terms

- Handover — the formal transfer of completed plant and its records from the project contractor to the operating organisation.
- O&M Manual — the document set describing how each system works, is operated, maintained and safely isolated.
- Asset Register — a structured list of every maintainable item with tag, location, hierarchy and key data.
- Defects Liability Period — the time after completion during which the contractor must correct faults at its own cost.
- Soft Landings — an approach where designers and contractors stay involved after handover to help tune systems in use.
- Service Level Agreement — contract terms setting response times, availability and reporting expected from a service provider.

## Engineering Plant and Services O&M from Handover Day by Day

### Day 1: From Project Close-Out to Operation

- Plant and Services Inventory — Boilers, Pumps, Generators, Water and Electrical Systems
- Project-to-Operations Interface — Who Owns Each Handover Task
- Operating Readiness Checklist — Staff, Spares, Tools and Documents
- Soft Landings Approach — Keeping Designers Engaged After Completion
- Lessons From Poor Handovers — Hospital and Industrial Site Cases

### Day 2: Handover Documentation and Records

- O&M Manual Content Specification — Usable Instructions for Each System
- As-Built Drawings and Schematics — Accuracy Checks Before Acceptance
- Commissioning and Test Certificates — Evidence That Systems Perform
- Asset Register Build — Tags, Hierarchy and Nameplate Data
- CMMS Data Loading — Task Lists, Spares and Meter Readings

### Day 3: O&M Strategy for Plant Systems

- Criticality Ranking With ISO 55001 Principles — Where Effort Goes First
- Maintenance Type Selection Under EN 13306 — Preventive, Condition-Based or Corrective
- Operating Regimes and Logs — Daily Rounds, Readings and Alarms
- Statutory Inspection Calendar — Pressure Systems, Lifts and Fire Equipment
- Initial Spares Holding — Critical Items for the First Years

### Day 4: Service Contracts and Warranties

- In-House Versus Outsourced Decision — Skills, Cost and Control
- Service Contract Scope Writing — Inclusions, Exclusions and Interfaces
- Service Level Agreements and KPIs — Response, Availability and Reporting
- Warranty and Defects Tracking Log — Recovering Contractor Obligations
- Contractor Performance Reviews — Monthly Meetings and Corrective Actions

## Day 5: Practising the Site O&M Plan

- Handover Gap Check for a Chosen Plant — Applying the Documentation Specification
- Asset Register and Criticality Summary — Applying Ranking Methods
- System-by-System O&M Approach — Applying Strategy Selection
- Contract and Warranty Schedule — Applying Service and Defects Tools
- Site O&M Plan — Completed Document for Operating Leadership

## Applying Engineering Plant and Services O&M from Handover After the Course

- Audit the O&M manuals and asset register for one recently handed-over system and list the missing items for the contractor.
- Set up a warranty and defects log for current plant and agree a monthly review with the contracts lead.

## Engineering Plant and Services O&M from Handover Questions FAQ

### What is engineering plant and services O&M from handover and why does it matter now?

Engineering plant and services O&M from handover is the practice of receiving, organising and running site plant from the day a project ends. It matters now because incomplete handovers leave operators with missing data, lost warranties and avoidable breakdowns.

### Which roles gain most from engineering plant and services O&M from handover training?

Plant engineers, facilities managers, O&M supervisors, contract leads and project engineers gain most. They accept systems, build the records and run or buy the services that keep plant working.

### How does engineering plant and services O&M from handover differ from a single-system operation course?

Engineering plant and services O&M from handover covers the whole site's plant and the handover, records and contracts around it. Single-system courses, such as sewage plant operation, go deep into one process rather than across many services.

### What do you bring back from engineering plant and services O&M from handover training?

You bring back a site O&M plan for one plant, with handover gaps, an asset register outline, a strategy per system and a contract and warranty schedule.

## Engineering Plant and Services O&M from Handover: The Way Forward

The site O&M plan first informs which handover gaps the contractor must close before final acceptance. Facilities managers and O&M supervisors use it to load planned maintenance and brief service providers. After the first year of operation, revisit the criticality ranking, because real failure history often shifts which systems deserve the closest attention.