

Project Commissioning: A Practical Approach

Madrid -

14-12-2026

Project Commissioning: A Practical Approach

Course code: PQ141 From: 14-12-2026 Venue: Madrid - Course Fees: 5000 £

Introduction

The Commissioning Process begins during the project's Pre-Design Phase and continues throughout the power's lifetime (through the Occupancy and Operations Phase). Project commissioning can be defined as a quality-oriented process that involves achieving, verifying, and documenting that the performance of facilities, systems, and assemblies meets defined objectives and criteria. As a result, the commissioning team will carry out the necessary processes and acceptance tests to meet these requirements.

Knowing the scope of labor, and thus the time and resources required, isn't enough to achieve the goals. During this course, we'll work together to translate his headline into knowledge, details, a schedule, and clearly defined roles, responsibilities, and limits. Professional commissioning of a replacement project is the proper starting point for a smooth operation, fewer maintenance tasks and modifications, and a project with a longer life cycle.

This Project Commissioning training course will define how the Commissioning processes are selected to match the project size, complexity, and system components to ensure that style requirements are met. Documentation for commissioning processes and acceptance tests is critical to properly and smoothly managing the project throughout its life cycle.

This training course on Project Commissioning will highlight:

- Stakeholders roles and responsibilities
- Tasks to be performed
- Commissioning integrity
- Administration close-outs
- Technical close-outs including warranties

Course Objectives of Project Commissioning

By the top of this training course, participants will learn to:

- Determine the needed documents before commissioning initiation
- Develop the plan and schedule to perform the commissioning tasks
- Apply the schedule
- Analyze the results and modify the schedule if needed
- Determine and deliver the close-out documents

Course Methodology of Project Commissioning

Participants to the present training course will receive a radical training on the themes covered by the course outline with the trainer utilizing a spread of proven adult learning teaching and facilitation techniques. Seminar methodology includes presentation, commissioning scenarios, commissioning close-out forms.

Organizational Impact of Project Commissioning

This training course will help the stakeholders to possess a transparent plan and schedule for

the commissioning activities:

- Minimize the Re-do tasks
- Improve the performance
- Improve the communication between stakeholders
- Minimize the upkeep efforts
- A good starting for the project historical information
- Built a documentation system

Personal Impact of Project Commissioning

Clear definitions for the roles and responsibilities and therefore the sequence to perform them:

- Needed knowledge before starting any commissioning activities
- Control your share and monitor the entire performance
- Clear boundaries between the stakeholders
- Better time management
- Better communication between you and therefore the stakeholders
- Define the potential problems and find the answer before they show-up

Target Audience of Project Commissioning

This training course on Project Commissioning may be a starting phase to deliver a successful project with minimum future problems, suitable to a good range of execs but will greatly benefit:

- Construction Engineers
- Construction Technicians
- Quality Control / Assurance Engineers
- Design Engineers
- Technical Office Engineers
- Project Management Professionals

Course Outline of Project Commissioning

Day 1

Construction Phase

- Construction Phase Commissioning Objectives
- Commissioning Team
- Commissioning Agent Tasks
- Roles and Responsibilities
- Construction Phase Commissioning Kickoff Meeting
- Construction Phase Commissioning Plan
- Construction Schedule Facilitation and Integration
- Construction Phase Meetings

Day 2

Construction Phase Continued

- Commissioning Construction Observation Visits
- RFI□s, Change Directives, Change Orders
- Submittal Review
- Construction Phase Controls Conference
- Pre-Functional Checklists
- Preliminary Systems Functional Performance Test Procedures
- Adapting the development Phase Commissioning Process

Day 3

Acceptance and Testing Phase Commissioning

- Acceptance and Testing Phase Commissioning Team
- Acceptance and Testing Phase Commissioning Tasks
- Acceptance and Testing Phase Commissioning Team Roles and Responsibilities
- Construction Meetings
- Commissioning Construction Site Visits
- Equipment / System begin Observation and Review
- Pre-Functional Checklist Verification
- Systems Functional Testing

Day 4

Acceptance and Testing Phase Commissioning Continued

- Operations and Maintenance Manuals
- Systems Manual
- Training Verification
- Commissioning Issues Follow Up and determination
- Final Commissioning Report
- Lessons Learned Review Meeting

- Adapting the Acceptance Phase Commissioning Process

Day 5

Warranty

- Warranty Phase Commissioning Team
- Warranty Phase Commissioning Tasks
- Warranty Phase Commissioning Roles and Responsibilities
- Systems Performance Monitoring
- Deferred Seasonal Testing
- Post-Occupancy Warranty Checkup
- Final Commissioning Report Addendum
- Adapting the Warranty Phase Commissioning Process