MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

EPC PROJECT MANAGEMENT

"Delivering Complex Engineering, Procurement, and Construction Projects on Time and Within Budget"

Schedule

Date	Venue	Fees (Face-to-Face)
16 – 17 Sep	Dubai, UAE	USD 1995 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

EPC (Engineering, Procurement, and Construction) projects are among the most complex and risk-intensive undertakings in the infrastructure, energy, and industrial sectors. This intensive 2-day training provides participants with a structured understanding of how to manage EPC projects successfully, from planning through execution to handover.

Participants will gain key insights into EPC contracts, risk management, stakeholder alignment, cost control, and quality assurance—ensuring project delivery that meets time, budget, and scope expectations. The training blends theory with practical tools and case studies relevant to high-value capital projects.

Objectives

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

- Understand the unique characteristics and phases of EPC projects
- Analyze key elements of EPC contracts and procurement strategies
- Apply project management tools for planning, execution, and control
- Identify risks and implement mitigation strategies in EPC contexts
- Ensure quality, cost control, and stakeholder communication throughout the project lifecycle

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Why Attend

- Acquire specialized skills for managing EPC projects in challenging environments
- Learn how to integrate engineering, procurement, and construction functions effectively
- Gain confidence in handling contracts, schedules, budgets, and risk issues
- Enhance your leadership and communication within cross-functional EPC teams
- Benchmark your EPC knowledge against global best practices

Target Audience

This program is designed for:

- Project managers and engineers involved in EPC projects
- Contract and procurement managers
- Construction managers and site engineers
- Project controls professionals
- Client representatives overseeing EPC contractors

Individual Benefits

Key competencies that will be developed include:

- Advanced understanding of EPC project phases and deliverables
- Project planning, execution, and cost control techniques
- Familiarity with FIDIC and other standard EPC contracts
- Risk analysis, stakeholder coordination, and performance tracking
- Improved negotiation and contract administration skills

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved project execution consistency and contract compliance
- Enhanced risk visibility and mitigation on capital projects
- Better integration of design, procurement, and construction timelines
- Greater cost control and scheduling accuracy
- Strengthened communication between internal and external stakeholders

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Lifecycle of EPC projects, contract types, and key drivers of project success
- Case Studies – Global EPC project scenarios showing lessons learned in execution and risk
- Workshops – Exercises on stakeholder mapping, scheduling, and change management
- Peer Exchange – Open discussion of industry challenges in EPC delivery
- Tools – Templates for project charters, risk logs, progress reports, and procurement matrices

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Understanding and Planning EPC Projects

- Module 1: EPC Project Framework and Lifecycle (07:30 – 09:30)
- What distinguishes EPC from traditional project delivery models
- Lifecycle phases: Engineering, Procurement, Construction, and Commissioning
- Overview of key project documents and responsibilities
- Module 2: EPC Contracts and Procurement Strategy (09:45 – 11:15)
- Types of EPC contracts and commercial models (lump-sum, cost-plus)
- Scope definition, subcontracting, and vendor management
- Key clauses and legal risk allocation
- Module 3: Planning and Scheduling EPC Projects (11:30 – 01:00)
- Developing a Work Breakdown Structure (WBS)
- Time-phased planning, sequencing, and interface management
- Gantt charts, critical path analysis, and milestones

Day 2: Execution, Risk, and Performance Control

- Module 4: Cost Management and Controls (07:30 – 09:30)
- Budgeting, forecasting, and earned value management
- Managing change orders and claims
- Monitoring KPIs and cost trends
- Module 5: Risk and Quality in EPC Projects (09:45 – 11:15)
- Risk identification, quantification, and mitigation
- Managing technical and logistical risks
- Implementing quality assurance and control plans
- Module 6: Communication and Handover (11:30 – 01:00)
- Internal and external communication strategies
- Progress reporting and stakeholder updates
- Commissioning, final delivery, and project closeout

Certification

Participants will receive a Certificate of Completion in EPC Project Management, validating their applied skills and knowledge in managing engineering, procurement, and construction projects with a strong focus on integration, delivery performance, and contractual compliance.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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