

Advanced Project Management for Engineering Projects

Target Audience: Suited to a wide range of engineering professionals including Industrial, Electrical, Mechanical and Civil Engineers. Also for the following roles on engineering projects: Project Directors, Project Managers, Plant Engineering Managers, Chief Engineers and Contracts Managers.

Key Learning Outcomes

- Refresh and review proven project management techniques.
 - Update on the latest project management thinking and best practice in the heavy engineering industry.
 - Learn by examining actual case studies and examples from recent projects and commercial situations.
 - Understand how to apply powerful mindsets and tools to maximised effect and assure delivery to the customer.
- Use the opportunity to work on your current projects and project challenges.

Course Delivery

- ✓ Theory: Latest best practice
- ✓ Team discussions
- ✓ Group exercises
- ✓ Case studies
- ✓ Technique application practice
- ✓ Business problem solving
- ✓ Personal action planning

Course Outline

DAY 1

Review of Project Management Techniques

- Objective setting and delivering results on time
- Estimating, costing and scheduling techniques
- Systems for control and monitoring
- Review and sanity checking of your project

Project Risk Management

- Evaluation and estimation of project risk in engineering projects
- Threat and opportunity analysis
- Scenario planning
- Political management of risk

Contract Management

- Being commercial – moving from engineer to businessperson
- Powerful mindsets to address contractual risk
- Contract options – which contract ?
- Negotiation and agreement of terms
- What to look out for - practical tips
- Dispute avoidance and dispute management
- Administration and termination

DAY 2

Project Management Leadership

- Beginning with YOU – a personal approach
- Understanding type, roles and influence
- Reacting to change and stress in the engineering project life cycle
- Relationship building
- Motivational tools and approaches
- Coaching skills – ‘when in doubt, coach’

The Advanced Toolbox

- Thinking skills and problem solving
- Negotiation skills
- Quality issues and management of quality
- Health and Safety
- Cost control, accounting and financial matters

Project Management Best Practice

- Strategic and organisational issues on engineering projects
- Trade offs, value and evaluation
- Measurement and reporting
- Action Plans moving forward

Pre-Course Work: Completion of Pre-Course Questionnaire

Course Material: Includes facilitator’s slides, exercise worksheets, background reading/articles and recommended books

Ideal Number of Participants: 9

Maximum: 12

Minimum: 4

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