Professional Project Management for Infrastructure

29 March – 2 April 2027
Cape Town (South Africa)

UK Traininig
PARTNER



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Ref: 3255155_333577 **Date:** 29 March – 2 April 2027 **Location:** Cape Town (South Africa) **Fees:** 4200 GBP

Introduction

Infrastructure projects are among the most complex and demanding types of projects, where cost, quality, time, and risks must be balanced effectively. This program is designed to equip participants with the knowledge and skills to apply international best practices in project management.
Through this training, participants will learn how to plan, execute, monitor, and successfully deliver infrastructure projects, while developing strong capabilities in leadership, stakeholder management, risk management, and procurement and contract administration.

Course Objectives

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

- Understand the principles and methodologies of professional project management in the infrastructure context.
- Develop comprehensive project plans covering scope, schedule, budget, and quality.
- Apply practical risk management strategies to minimize challenges and uncertainties.
- Utilize tools and frameworks for effective monitoring and evaluation of project performance.
- Strengthen leadership, communication, and stakeholder engagement skills for successful project delivery.

Course Outlines

Day 1: Foundations of Infrastructure Project Management

- Introduction to project management and international standards.
- Characteristics and challenges of infrastructure projects.
- Project life cycle and phases.
- Stakeholder analysis and engagement strategies.
- Global case studies of infrastructure projects.

Day 2: Project Planning and Design

- Defining project scope and requirements.
- Developing a Work Breakdown Structure WBS.
- Scheduling methods: Gantt Charts, Critical Path Method, and PERT.
- Budgeting and cost estimation techniques.
- Integrating quality standards into project planning.



Day 3: Risk, Procurement, and Resource Management

- Identifying and assessing project risks.
- Designing risk response strategies.
- Procurement processes and contract management.
- Resource allocation and optimization.
- Legal, regulatory, and environmental considerations.

Day 4: Project Execution and Monitoring

- Managing construction and implementation phases.
- Monitoring with Earned Value Management EVM.
- Tracking performance against scope, cost, and time.
- Quality assurance and control techniques.
- Change management and conflict resolution.

Day 5: Closing, Evaluation, and Lessons Learned

- Project closure and handover processes.
- Measuring success using Key Performance Indicators KPIs.
- Documentation and final reporting.
- Lessons learned and knowledge transfer.
- Best practices for continuous improvement in infrastructure projects.

Why Attend this Course: Wins & Losses!

- Gain the ability to lead and manage complex infrastructure projects with confidence.
- Apply proven tools and techniques in risk management, procurement, monitoring, and quality control.
- Strengthen your role as a leader through advanced leadership and stakeholder engagement skills.
- Learn how to balance cost, time, and quality effectively.
- Explore real-world case studies and international best practices.

Conclusion

Professional Project Management for Infrastructure is a strategic enabler for the success of large-scale projects. By completing this program, participants will leave with actionable plans, practical tools, and globally recognized methodologies, empowering them to lead and deliver infrastructure projects with efficiency and excellence. This course ensures sustainability, accountability, and continuous improvement in future project performance.

