BLACKBIRD FOR TRAINING

Infrastructure Project Management for Internationally Financed Projects

Tunis (Tunisia)

6 - 10 June 2027

Infrastructure Project Management for Internationally Financed Projects

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Introduction

Infrastructure Project Management is a critical discipline for ensuring the successful planning, delivery, and operation of major infrastructure investments, including transportation networks, water and wastewater systems, energy facilities, public buildings, telecommunications, and other essential assets. These projects are typically characterized by significant capital investment, multiple stakeholders, complex contractual arrangements, long implementation periods, and demanding technical, environmental, and regulatory requirements. As a result, effective project management has become essential to delivering infrastructure projects on time, within budget, and in accordance with quality, safety, and sustainability objectives.

As governments, development agencies, and private sector organizations continue to invest heavily in infrastructure development, Project Implementation Units PIUs are expected to apply internationally recognized project management methodologies while complying with the procurement, financial management, environmental, and social requirements established by International Financial Institutions IFIs. Successful project implementation requires strong governance, integrated planning, proactive risk management, effective contract administration, continuous performance monitoring, and close coordination among consultants, contractors, financiers, regulatory authorities, and other stakeholders.

The Infrastructure Project Management course provides participants with a comprehensive understanding of the principles, tools, and techniques required to manage infrastructure projects throughout their entire lifecycle. Covering project planning, scope management, scheduling, cost control, procurement, contract management, risk management, quality assurance, environmental and social safeguards, performance monitoring, reporting, commissioning, and project closeout, the course equips participants with practical knowledge and internationally recognized best practices that improve project delivery, strengthen governance, and enhance organizational capability in managing complex infrastructure projects.

Course Objectives

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

- Understand the complete lifecycle of infrastructure projects from initiation through project closeout.
- Apply internationally recognized Infrastructure Project Management principles and methodologies.
- Define project objectives, scope, deliverables, and implementation strategies.
- Develop integrated project implementation plans that align scope, schedule, cost, and resources.
- Prepare Work Breakdown Structures WBS for infrastructure projects.
- Develop realistic implementation schedules and monitor critical activities.
- Apply Critical Path Method CPM techniques for schedule management.
- Estimate project costs, prepare budgets, and monitor cash flow.
- Manage procurement activities in accordance with International Financial Institution IFI requirements.
- Prepare procurement documentation, technical specifications, and bidding documents.
- Administer infrastructure contracts and monitor contractor performance.
- Manage contract variations, claims, delays, and contractual disputes.
- Apply project risk management throughout all implementation phases.

- Implement quality planning, quality assurance, and quality control processes.
- Manage environmental, social, and occupational health and safety requirements.
- Monitor project performance using Key Performance Indicators KPIs and Earned Value Management EVM.
- Prepare professional progress reports for senior management and project financiers.
- Coordinate effectively among Project Implementation Units PIUs, consultants, contractors, government agencies, financiers, and stakeholders.
- Successfully manage commissioning, handover, project closeout, and post-project evaluation.

Course Outlines

Day 1: Fundamentals of Infrastructure Project Management

- Characteristics and lifecycle of infrastructure projects.
- Differences between infrastructure projects and conventional projects.
- Roles and responsibilities of the Project Implementation Unit PIU.
- Internationally recognized Infrastructure Project Management principles.
- Governance frameworks for infrastructure projects.
- Stakeholder identification and institutional coordination.
- Introduction to projects financed by International Financial Institutions IFIs.
- Practical exercise: Mapping the infrastructure project lifecycle.

Day 2: Project Planning, Scope, Schedule, and Cost Management

- Defining project objectives, scope, and deliverables.
- Developing the Work Breakdown Structure WBS.
- Preparing realistic implementation schedules.
- Identifying project milestones and critical activities.
- Applying the Critical Path Method CPM.
- Cost estimation and budget development.
- Cash flow forecasting and expenditure monitoring.
- Managing changes to project scope, schedule, and budget.
- Practical workshop: Developing an integrated project implementation plan.

Day 3: Procurement, Contract, and Financial Management

- Procurement planning for infrastructure projects.
- Procurement principles applied by International Financial Institutions.
- Preparing technical specifications and bidding documents.
- Tender evaluation and contractor selection.
- Types of infrastructure contracts.
- Contract administration and performance monitoring.
- Managing contract variations, claims, delays, and disputes.
- Payment certification and financial control.
- Contract closeout and project documentation.
- Practical application: Managing contract implementation challenges.

Day 4: Risk, Quality, Environmental, and Social Management

- Risk identification and assessment methodologies.

- Developing and maintaining project risk registers.
- Managing construction, contractual, financial, operational, and technical risks.
- Risk allocation among owners, consultants, and contractors.
- Quality planning, quality assurance, and quality control.
- Inspection, testing, and acceptance procedures.
- Environmental and social safeguard requirements.
- Occupational health and safety management.
- Stakeholder engagement and community impact management.
- Practical exercise: Developing a comprehensive project risk mitigation plan.

Day 5: Monitoring, Reporting, and Project Completion

- Establishing project monitoring and control systems.
- Key Performance Indicators KPIs for infrastructure projects.
- Monitoring physical and financial project progress.
- Fundamentals of Earned Value Management EVM.
- Early warning systems for schedule delays and cost overruns.
- Preparing professional progress reports for management and financiers.
- Managing project meetings and corrective action plans.
- Commissioning, handover, and project closeout.
- Lessons learned and post-project evaluation.
- Final practical exercise: Infrastructure project management simulation.

Training Methodology

This programme adopts an interactive and practice-oriented learning approach that combines internationally recognized project management methodologies with infrastructure implementation best practices. Participants will benefit from:

- Expert-led presentations delivered by experienced infrastructure project professionals.
- Interactive discussions on infrastructure project implementation challenges.
- Practical workshops covering project planning, scheduling, and implementation.
- Risk management exercises and project planning activities.
- Procurement and contract management applications.
- Project monitoring and reporting simulations.
- Professional project management templates, checklists, and implementation tools.
- Pre-course and post-course assessments to measure learning outcomes.

Expected Learning Outcomes

By the end of the programme, participants will be able to:

- Apply internationally recognized Infrastructure Project Management methodologies throughout the project lifecycle.
- Develop integrated implementation plans that effectively manage project scope, schedule, cost, and resources.
- Build comprehensive Work Breakdown Structures WBS and implementation schedules.
- Manage procurement and contract administration in accordance with International Financial Institution requirements.

- Monitor contractor and consultant performance while effectively managing contract changes, claims, and delays.
- Apply structured risk management methodologies and quality management practices.
- Manage environmental, social, and occupational health and safety obligations during project implementation.
- Monitor project performance using Key Performance Indicators KPIs and Earned Value Management EVM.
- Prepare professional management reports that support executive decision-making and satisfy financier reporting requirements.
- Strengthen coordination among Project Implementation Units PIUs, consultants, contractors, government agencies, financiers, and stakeholders.
- Successfully manage project commissioning, handover, operational readiness, and project closeout.
- Apply practical project management tools that improve infrastructure project implementation, governance, and overall project performance.

Why Attend This Course: Wins & Losses!

- Develop a comprehensive understanding of Infrastructure Project Management based on internationally recognized standards.
- Strengthen planning, scheduling, budgeting, and project implementation capabilities.
- Improve procurement and contract management throughout infrastructure projects.
- Apply project management practices aligned with International Financial Institution requirements.
- Enhance project governance, risk management, quality assurance, and regulatory compliance.
- Improve coordination among Project Implementation Units, consultants, contractors, and stakeholders.
- Strengthen project monitoring, reporting, and performance management capabilities.
- Improve contractor management and contract administration effectiveness.
- Support successful project delivery through structured decision-making and governance.
- Enhance organizational capability to deliver infrastructure projects efficiently and sustainably.

Conclusion

Infrastructure projects require disciplined planning, strong governance, effective procurement, proactive risk management, rigorous quality control, and continuous performance monitoring to achieve successful outcomes. Delivering complex infrastructure investments demands more than technical expertise; it requires an integrated project management approach that aligns planning, implementation, financial control, stakeholder coordination, environmental and social compliance, and contract administration throughout the project lifecycle.

The Infrastructure Project Management course provides participants with a comprehensive framework for planning, implementing, monitoring, and successfully completing infrastructure projects. Covering project planning, procurement, contract management, financial management, risk management, quality assurance, environmental and social safeguards, performance monitoring, reporting, commissioning, and project closeout, the programme equips participants with internationally recognized methodologies and practical implementation tools that strengthen project governance and improve delivery performance.

By applying the concepts, techniques, and management practices presented throughout this course, participants will be able to improve Project Implementation Unit PIU performance, strengthen collaboration among consultants, contractors, financiers, and stakeholders, reduce project risks, enhance decision-making, and deliver infrastructure projects that meet organizational objectives, comply with international standards, and create sustainable long-term value.

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