

LEADING COMPLEX PROJECTS



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TRAINING CENTER



Introduction

Leading Complex Projects Training Course prepares project leaders to deliver initiatives where requirements shift, stakeholders disagree, and technology or regulation adds uncertainty. Complex projects rarely fail on scheduling alone; they fail on unclear scope, weak governance, unmanaged interdependencies, and poor sponsor engagement. This program addresses those causes directly. It combines project leadership, systems thinking, and risk management practice. It covers stakeholder alignment, scope control, governance, and adaptive delivery. As a result, participants learn to lead teams through uncertainty while keeping the project auditable and on course. Furthermore, the course covers programme interfaces, supplier coordination, and benefits realization.

Leading Complex Projects Course Objectives

- Apply complexity assessment models to project situations.
- Use the Cynefin framework to match approach to context.
- Lead stakeholders with the power-interest grid and alignment planning.
- Build governance structures with the RACI matrix and stage gates.
- Manage scope with requirements traceability and change control.
- Apply earned value management for cost and schedule control.
- Build and maintain a risk register with structured assessment.
- Manage interdependencies across programme workstreams.
- Apply agile and hybrid delivery practices selectively.
- Track benefits realization against the business case.

Course Methodology

- Facilitated sessions built around live complex project cases.
- Complexity and governance diagnostic workshops.

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Info@gentextraining.com



- Role-play of sponsor briefings and stakeholder alignment meetings.
- Group exercises in risk registers and dependency mapping.
- Case studies from infrastructure, technology, and transformation projects.
- Simulation of a project board decision round.
- Peer review, reflection, and a personal project leadership plan.

Who Should Take This Course

- Senior project and programme managers.
- Project directors on large or multi-site initiatives.
- Programme management office leads.
- Engineering and construction project leaders.
- IT and digital delivery managers.
- PMO analysts and planners.
- Consultants supporting complex delivery.

Leading Complex Projects Course Outlines

Day 1: Complexity and Project Leadership

- Defining complexity in projects and programmes.
- The Cynefin framework: simple, complicated, complex, chaotic.
- Complexity assessment models and indicators.
- Leadership behaviours for uncertain environments.
- Sponsor relationships and executive engagement.
- Why complex projects fail: evidence and patterns.
- Case study: a complex programme that recovered.





Day 2: Stakeholders, Governance, and Scope

- Stakeholder mapping with the power-interest grid.
- Alignment planning and expectation management.
- Governance design with the RACI matrix and stage gates.
- Project board structures and escalation routes.
- Scope definition and requirements traceability.
- Change control and configuration management.
- Workshop: designing governance for a complex project.

Day 3: Planning, Estimating, and Performance Control

- Integrated planning across workstreams.
- Critical path analysis and schedule compression.
- Estimating techniques and contingency setting.
- Earned value management: CPI, SPI, and forecasts.
- Progress reporting for boards and sponsors.
- Managing uncertainty buffers and float.
- Workshop: interpreting an earned value report.

Day 4: Risk, Dependencies, and Supply Chain

- Risk management process and the risk register.
- Qualitative and quantitative risk assessment.
- Mitigation planning and risk ownership.
- Dependency mapping across programme interfaces.
- Supplier, contract, and procurement risk.

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- Managing change in regulated environments.
- Simulation: a project board risk review.

Day 5: Delivery Approaches, Benefits, and Closure

- Agile, waterfall, and hybrid delivery selection.
- Scaling agile across multiple teams.
- Benefits mapping and realization tracking.
- Lessons capture with after-action reviews.
- Handover, commissioning, and operational readiness.
- Building a personal complex project leadership plan.
- Capstone: presenting a complex project recovery plan.

Conclusion

By successfully completing Leading Complex Projects Training Course, participants will have acquired the knowledge to diagnose complexity, align stakeholders and sponsors, design governance and control systems, manage risk and interdependencies, select the right delivery approach, and track benefits through to closure. They will also understand how to lead teams calmly when requirements and conditions keep shifting. Gentex Training Center delivers this program through applied workshops and expert facilitation, helping project leaders deliver under real-world complexity.

FAQs for the Leading Complex Projects course





Q1 What is the "Leading Complex Projects" course about?

It is a training program that develops the leadership and control skills needed on complex projects. It covers complexity assessment, stakeholder alignment, governance, scope control, performance measurement, risk, dependencies, and benefits realization.

Q2 What are the key benefits of the "Leading Complex Projects" course?

Participants gain a practical method for governing uncertainty, stronger sponsor and stakeholder alignment, and better control of cost, schedule, and scope. Organizations benefit from fewer overruns, earlier visibility of problems, and projects that deliver their intended benefits.

Q3 What skills will I gain from the "Leading Complex Projects" course?

Participants build complexity diagnosis and project leadership, stakeholder alignment and governance design, scope, cost, and schedule control, and risk, dependency, and benefits management.



Q4 What tools, methods, or standards are covered in the "Leading Complex Projects" course?

The course covers the Cynefin framework, complexity assessment models, the power-interest stakeholder grid, the RACI matrix, stage gates, requirements traceability, change control, critical path analysis, earned value management (CPI and SPI), risk registers, dependency mapping, agile and hybrid delivery, benefits mapping, and after-action reviews.

Q5 How is the "Leading Complex Projects" course applied in real-world practice?

Learners apply it by assessing project complexity, agreeing governance and escalation routes with the sponsor, controlling scope through formal change requests, monitoring earned value indicators, reviewing the risk register with the board, and tracking benefits after handover.