



Sustainable Infrastructure Development Case Course



AGILE LEADERS
Training Center

Sustainable Infrastructure Development Case Course

Overview

Sustainable Infrastructure Development Case Course is a five-day advanced course for project developers, planners, engineers, financiers, sponsors, consultants, procurement teams, and sustainability specialists who leave with a Sustainable Infrastructure Development Case. Participants connect strategic need, stakeholder outcomes, options appraisal, whole-life value, climate and environmental risk, social value, delivery models, procurement, finance readiness, governance, and indicators. The course turns early concepts into traceable development decisions. Agile Leaders Training Center presents sustainable infrastructure development through practical investment-preparation artifacts.

Who Should Attend

- Teams responsible for infrastructure strategy, project pipelines, and early-stage development
- Functions defining sustainability, resilience, environmental, and social objectives
- Personnel comparing infrastructure options, delivery models, and procurement routes
- Groups preparing governance, appraisal, finance-readiness, and decision-gate evidence
- Reviewers evaluating whole-life value, stakeholder outcomes, risks, and performance indicators

The course assumes participants can interpret project concepts, business cases, technical inputs, and financial summaries, and it leaves out project-specific feasibility studies, impact assessments, financial or legal advice, approvals, and certification.

Departments and Industries

The course supports departments and industries responsible for infrastructure investment, sustainable development, project preparation, and governance.

- Infrastructure planning, project development, engineering, and sustainability
- Transport, water, energy, waste, and digital infrastructure
- Public investment, development finance, procurement, and partnerships
- Urban development, utilities, industrial zones, and social infrastructure
- Consultancy, investment appraisal, risk, governance, and performance functions

Learning Objectives

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



- Analyze strategic need, stakeholders, outcomes, and sustainability objectives
- Compare infrastructure options through whole-life value and risk criteria
- Evaluate climate, environmental, social, and inclusion considerations
- Apply delivery-model, procurement, and finance-readiness screens
- Build governance gates, indicators, assumptions, and evidence requirements
- Prioritize actions in a Sustainable Infrastructure Development Case

Course Agenda

Day 1: Strategic Need and Sustainable Outcomes

- Infrastructure Need, Service Gap, and Outcome Statement
- Stakeholder, Beneficiary, and Sponsor Influence Map
- Sustainability Objective and Constraint Framework
- Project Boundary, Dependency, and Interface Register
- Development Assumption and Evidence-Gap Log

Day 2: Options and Whole-Life Value

- Longlist, Shortlist, and Do-Nothing Option Framework
- Multi-Criteria Infrastructure Options Appraisal
- Whole-Life Cost, Benefit, and Value Map
- Demand, Capacity, Phasing, and Scalability Scenario Matrix
- Preferred Option Rationale and Sensitivity Register

Day 3: Climate, Environment, and Social Value

- Climate Hazard, Exposure, Vulnerability, and Resilience Screen
- Environmental Risk and Mitigation Hierarchy Map
- Resource Efficiency and Circularity Opportunity Register
- Social Value, Inclusion, Accessibility, and Distributional Lens
- Stakeholder Engagement and Safeguard Evidence Plan

Day 4: Delivery, Finance Readiness, and Governance

- Delivery Model and Institutional Capacity Assessment
- Procurement Strategy and Market-Engagement Plan
- Revenue, Affordability, Funding, and Finance-Readiness Screen
- Risk Allocation and Project Structuring Matrix
- Governance Gate, Approval, and Assurance Roadmap

Day 5: Infrastructure Development Case Practice

- Exercise: Frame the Need, Stakeholders, and Outcomes
- Exercise: Appraise Options and Whole-Life Value
- Exercise: Integrate Climate, Environmental, and Social Evidence
- Exercise: Align Delivery, Procurement, Finance, and Governance
- Capstone Exercise: Sustainable Infrastructure Development Case

Practical Exercises

The course uses suggested activities to connect strategic need, appraisal evidence, sustainability considerations, and investment-preparation decisions.

- Suggested activity: define service gaps, beneficiaries, sponsors, outcomes, boundaries, dependencies, assumptions, and evidence gaps for an infrastructure concept.
- Suggested activity: compare longlisted options using whole-life cost, benefits, value, demand, capacity, phasing, scalability, and sensitivity criteria.
- Suggested activity: integrate climate hazards, environmental risks, resource efficiency, social value, inclusion, accessibility, stakeholders, and safeguard evidence.
- Suggested activity: combine delivery, procurement, market engagement, affordability, funding, finance readiness, risk allocation, governance gates, indicators, and next actions in a Sustainable Infrastructure Development Case.

FAQs

Who suits the sustainable infrastructure development course and what does it assume?

It suits infrastructure development, planning, engineering, finance, sponsorship, consulting, procurement, and sustainability teams, and assumes they can interpret project concepts, business cases, technical inputs, and financial summaries.

How does sustainable infrastructure development differ from a construction sustainability course?

Sustainable infrastructure development shapes the strategic need, options, whole-life value, risks, delivery, procurement, finance readiness, and governance before investment, while construction sustainability concentrates on reducing impacts during project delivery.

How are sustainable infrastructure options compared?

Options are compared using service outcomes, demand, whole-life cost and benefit, climate resilience, environmental risk, social value, inclusion, deliverability, affordability, finance readiness, stakeholder effects, and uncertainty.



What does finance readiness mean in sustainable infrastructure development?

Finance readiness means organizing credible evidence on need, scope, demand, costs, benefits, risks, revenue or funding, affordability, delivery structure, governance, safeguards, assumptions, and unresolved issues for further appraisal.

What belongs in a Sustainable Infrastructure Development Case?

The case records need, outcomes, stakeholders, options, whole-life value, climate and environmental risks, social value, delivery and procurement choices, finance-readiness evidence, risk allocation, governance gates, indicators, assumptions, and next actions.

Conclusion

Participants take back a Sustainable Infrastructure Development Case linking strategic need, options, whole-life value, sustainability evidence, delivery, finance readiness, and governance. It changes an early concept into a traceable basis for project-development decisions and further appraisal. The case supports investment preparation without replacing feasibility studies, impact assessments, financial or legal advice, approvals, or certification.



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