



# **Circular Built Environment Strategy and Delivery Course**

2 – 6 August 2027  
Kuala Lumpur

## Circular Built Environment Strategy and Delivery Course

**Ref:** 502\_139728 **Date:** 2 – 6 August 2027 **Location:** Kuala Lumpur **Fees:** 6500 Euro

### Overview

Circular Built Environment Strategy and Delivery Course is a five-day advanced programme for sustainability managers, architects, civil engineers, construction project managers, asset managers, procurement specialists, and public-sector professionals. Participants connect circular principles with material flows, adaptable design, procurement, construction delivery, operations, recovery, and performance measurement, leaving with a Circular Built Environment Implementation Roadmap. Agile Leaders Training Center presents circularity as a whole-life value and delivery discipline.

### Who Should Attend

- Sustainability and ESG functions shaping built-environment programmes
- Architecture and engineering teams making design and specification decisions
- Project and construction managers controlling delivery and waste prevention
- Asset and facilities managers responsible for life extension and adaptability
- Procurement and public-sector teams setting circular requirements

The course assumes experience with built assets or construction projects. It provides implementation guidance, not certification, legal advice, environmental verification, or project-specific design approval.

### Departments and Industries

The course supports organisations that commission, design, construct, operate, renew, or deconstruct buildings and infrastructure.

- Real estate, architecture, engineering, and construction
- Infrastructure, transport, utilities, and industrial facilities
- Government, municipalities, and public asset owners
- Property, facilities, and portfolio management
- Materials, manufacturing, procurement, and recovery services

### Learning Objectives

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



- Diagnose linear value loss across a built-asset lifecycle
- Map material stocks, flows, dependencies, and circular opportunities
- Evaluate adaptability, durability, disassembly, reuse, and recovery options
- Write circular procurement and delivery requirements
- Select indicators and evidence for circular performance governance
- Build a prioritised Circular Built Environment Implementation Roadmap

## **Course Agenda**

### **Day 1: Circular Strategy and Built-Environment Systems**

- Linear value loss and circular value retention
- Circular economy principles and ISO 59004 implementation context
- Buildings and infrastructure as systems of materials, assets, and services
- Lifecycle actors, incentives, constraints, and decision gates
- Circular ambition, baseline, scope, and governance charter

### **Day 2: Material Flows and Circular Design**

- Material stock and flow mapping across asset stages
- Durability, maintainability, adaptability, and modularity
- Design for disassembly, reuse, repair, and component recovery
- Material health, provenance, and recovery constraints
- Material passports and information requirements

### **Day 3: Procurement and Construction Delivery**

- Circular briefs, specifications, tender criteria, and supplier evidence
- Whole-life value, retained value, and option comparison
- Construction waste prevention and source separation
- Reuse inventories, take-back models, and reverse logistics
- Contract interfaces, responsibilities, assurance, and change control

### **Day 4: Operations Renewal and End-of-Use Pathways**

- Asset utilisation, maintenance, repair, and life extension
- Space adaptation, component replacement, and refurbishment
- Deconstruction planning and pre-redevelopment audits
- Reuse, remanufacture, recycling, and safe residual pathways
- Scenario evaluation for carbon, cost, risk, and service outcomes



## **Day 5: Metrics Governance and Implementation**

- Circular indicators, baselines, targets, and evidence quality
- Decision rights, stakeholder engagement, and supplier collaboration
- Portfolio prioritisation and implementation sequencing
- Suggested Exercise: Circular Performance Dashboard Review
- Capstone Exercise: Circular Built Environment Implementation Roadmap

### **Practical Exercises**

The course uses suggested exercises to translate whole-life circularity into controlled built-environment decisions.

- Suggested activity: map material flows and identify points of avoidable value loss.
- Suggested activity: review a design for adaptability, disassembly, and recovery.
- Suggested activity: draft circular procurement criteria and supplier evidence requirements.
- Suggested activity: build a dashboard and prioritised implementation roadmap.

### **FAQs**

#### **What is a circular built environment?**

It is a built system designed and managed to eliminate avoidable waste, keep products and materials in useful circulation, extend asset life, and support regenerative outcomes.

#### **How does circularity differ from construction waste management?**

Waste management addresses materials after they arise. Circularity changes planning, design, procurement, use, maintenance, adaptation, and recovery decisions so value loss is prevented earlier.

#### **What is design for disassembly?**

It is an approach that considers how components can be accessed, separated, maintained, replaced, reused, or recovered without unnecessary damage or contamination.

#### **What evidence supports circular procurement?**

Useful evidence can include composition and provenance data, durability and repair information, reuse content, take-back arrangements, recovery routes, material passports, and measurable delivery commitments.

#### **Does the course certify compliance with ISO 59004?**

No. ISO 59004 informs vocabulary and implementation thinking, but the course does not provide certification, conformity assessment, or project verification.



## Conclusion

Participants return with a Circular Built Environment Implementation Roadmap linking ambition, material flows, design decisions, procurement controls, delivery practices, operations, recovery pathways, indicators, responsibilities, and review points. It provides a practical structure for protecting whole-life value while reducing resource loss.