
Strategic Asset Management Planning and ISO 55001 Training Course

30 August – 3 September 2027
Rome





Strategic Asset Management Planning and ISO 55001 Training Course

Ref: 54_12310 **Date:** 30 August – 3 September 2027 **Location:** Rome **Fees:** 5500 GBP

Programme Summary

Strategic asset management planning and ISO 55001 is a one-week training course for senior asset owners and infrastructure leaders, culminating in a draft strategic asset management plan for their portfolio. Many organisations hold buildings, networks and estates worth far more than their annual budget, yet renewal and investment decisions are still made year by year with partial data. The approach builds a clear line of sight from organisational objectives to asset decisions, using the ISO 55000 family as the structure. Mars Training Centre UK delivers this programme in strategic asset management planning.

The Business Case

Without a strategic asset management plan, capital is spent on the loudest request rather than the highest risk, and ageing assets fail before funding is in place. Leaders who connect condition, criticality and cost data to organisational objectives can defend investment priorities, smooth renewal spending and show boards and funders what each budget option means for service and risk. The capability also supports transparent reporting on public and private asset portfolios.

- Whole-Life Cost of Ownership: Reduced by timing renewal, refurbishment and disposal on evidence rather than age alone.
- Asset-Related Risk Exposure: Lowered when criticality and condition drive the investment programme.
- Capital Programme Credibility: Strengthened through a documented SAMP that links spending to service levels.

Principles and Evidence Base

- ISO 55000:2024 Overview, Principles and Terminology: Defines value, alignment, leadership and assurance as the basis of the programme in Session 1.
- ISO 55001:2024 Asset Management System Requirements: Structures policy, objectives, planning, performance evaluation and improvement in Sessions 2 and 5.
- Strategic Asset Management Plan SAMP: Translates organisational objectives into asset objectives and plans in Session 2.
- Risk-Based Prioritisation and Whole-Life Costing: Rank investment and renewal options by consequence, likelihood and lifetime cost in Sessions 3 and 4.



Intended Participants

- Leaders who own capital programmes for buildings, infrastructure or property portfolios.
- Executives who set asset policy and approve renewal and disposal decisions.
- Senior officials responsible for public assets and their long-term funding.
- Heads of asset information, planning or performance who brief boards and funders.

The programme serves government and municipal bodies, utilities and transport, real estate portfolios and healthcare and education estates.

Learning Outcomes

1. Participants will be able to evaluate the maturity of an organisation's asset management system against ISO 55001.
2. Participants will be able to construct an asset management policy and strategic asset management plan with a clear line of sight to organisational objectives.
3. Participants will be able to diagnose gaps in the asset register, condition data and criticality ratings.
4. Participants will be able to prioritise renewal and investment options using risk and whole-life cost.
5. Participants will be able to design performance measures, audit and management review for the asset management system.
6. Participants will be able to justify a long-term investment programme to a board or funder.

Programme Structure

Day 1: Asset Management Principles and Value

What does asset management add beyond maintenance and accounting?

- ISO 55000:2024 Principles and Terminology
- Value, Alignment, Leadership and Assurance
- Asset Portfolio, Asset System and Asset Definitions
- Roles of Owners, Managers and Service Providers
- Asset Management Maturity Self-Assessment

Day 2: Strategic Asset Management Planning

How are organisational objectives turned into asset objectives and plans?

- ISO 55001:2024 Context, Leadership and Policy Clauses
- Strategic Asset Management Plan Structure
- Levels of Service and Stakeholder Requirements
- Asset Objectives and Line of Sight
- Asset Management Plans for Asset Classes



Day 3: Asset Information, Condition and Criticality

Is the data good enough to support investment decisions?

- Asset Register Design and Data Standards
- Condition Assessment Methods and Grading
- Criticality and Consequence of Failure Rating
- Asset Information Gap Analysis
- Remaining Useful Life Estimation

Day 4: Risk-Based Investment and Whole-Life Value

Which assets should be renewed, refurbished or disposed of, and when?

- Risk-Based Prioritisation Matrices
- Whole-Life Cost Modelling
- Renewal, Refurbishment and Disposal Options Appraisal
- Long-Term Investment Scenarios and Funding Gaps
- Capital and Operating Expenditure Trade-Offs

Day 5: Applying Strategic Asset Management Planning

How are the elements combined into a plan that a board can approve?

- Applying the Maturity Assessment to a Participant Portfolio
- Setting Performance Measures and Audit Arrangements
- Management Review and Continual Improvement Cycle
- Peer Review of Investment Priorities
- Strategic Asset Management Plan Presentation

Methodology

The programme is built around a data workshop using sample asset registers from a municipal estate, a utility network and a commercial property portfolio. Participants test data quality, rate condition and criticality, then model investment scenarios before applying the same steps to their own portfolio. Peer review challenges each plan as a board or funder would.

- Suggested activity: Rating criticality for a mixed portfolio of schools, clinics and offices.
- Suggested activity: Comparing two renewal scenarios for a water network over a long planning horizon.
- Suggested activity: Drafting the line of sight from a corporate objective to an asset class plan.



Capstone Output

Each participant completes a draft strategic asset management plan for their portfolio. It contains the asset management policy, asset objectives, a maturity assessment, data improvement actions, a risk-ranked investment programme and performance measures, ready to take to the executive team for review.

Frequently Asked Questions

Is strategic asset management planning suitable for leaders without an engineering background?

Yes. It suits senior leaders who own or fund assets, including finance and property executives. It assumes management experience and builds the technical concepts of condition, criticality and lifecycle in plain terms.

Which standards does strategic asset management planning in this programme rest on?

It rests on ISO 55000:2024 for principles and terminology and ISO 55001:2024 for asset management system requirements, applied through a strategic asset management plan.

How is the strategic asset management plan used at work?

It becomes the reference for your capital programme, linking each investment to objectives and risk, and guiding annual budgets, data improvement and management review.

How does strategic asset management planning differ from a maintenance planning programme?

It decides which assets to invest in, renew or dispose of over their whole life, while maintenance planning programmes organise the work needed to keep existing equipment running.