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COURSE BROCHURE

Strategic Asset Management Plan Development for Utilities Training Course

12 – 16 July 2027
Singapore

Strategic Asset Management Plan Development for Utilities Training Course

Ref: 1570_57694 **Date:** 12 – 16 July 2027 **Location:** Singapore **Fees:** 9300 GBP

Strategic Asset Management Plan Development for Utilities is a 1-week training course for asset managers, maintenance planners and engineers in water, wastewater and power utilities, built around a draft strategic asset management plan SAMP each participant writes for their own organisation. Utilities must show regulators, boards and customers how pipes, pumps, substations and cables will be renewed within limited budgets. Jupiter Prime Training presents this course on Strategic Asset Management Plan Development for Utilities.

Why Strategic Asset Management Plan Development for Utilities Matters Now

Utility networks laid decades ago are reaching the end of their design life at the same time as demand grows and service targets tighten. Boards and owners now expect renewal spending justified by risk and performance evidence rather than last year's budget plus inflation. Many utilities hold an asset management policy but lack the plan that turns it into objectives, investment priorities and resourcing. Utilities with a clear SAMP defend their capital requests and focus crews on critical assets; others react to bursts and outages. The course rests on ISO 55001 for asset management systems and on recognised practice in creating and maintaining a SAMP.

Who Gains Most from Strategic Asset Management Plan Development for Utilities

- Asset managers who own the link from corporate goals to asset objectives
- Planners who turn objectives into renewal and maintenance programmes
- Engineers who assess asset condition, criticality and risk
- Finance partners who build long-term capital and operating forecasts
- Asset information staff who keep registers and performance records

A utility that sends its asset manager, planner and finance partner together gains most, because the plan needs all three views to hold together.

Strategic Asset Management Plan Development for Utilities Capabilities

Participants move from a utility's corporate goals to a written plan that shows where each renewal decision comes from.

- Build line of sight from organisational objectives to asset management objectives — executive sponsor
- Assess asset criticality and condition across water and power networks — renewal priority
- Apply risk-based investment ranking to competing projects — capital committee
- Calculate lifecycle cost for repair, refurbish or replace options — finance partner
- Specify asset information requirements and data gaps — asset information staff

- Design SAMP structure, governance and review cycle — board approval

Key Strategic Asset Management Plan Development for Utilities Terms

- Strategic asset management plan SAMP — the document that converts asset management policy and corporate goals into objectives, priorities and approaches.
- Asset management policy — the short statement of principles and commitments set by top management for managing assets.
- Line of sight — the traceable link from corporate goals through asset objectives to individual work activities.
- Asset criticality — a ranking of assets by the consequence of their failure on service, safety and cost.
- Lifecycle cost — the total cost of owning an asset from acquisition through operation and maintenance to disposal.
- Asset register — the structured record of assets, their location, attributes, condition and history.

Strategic Asset Management Plan Development for Utilities Day by Day

Day 1: Utility Context and Policy

- Ageing Networks and Service Targets — Pressures Behind the Plan
- ISO 55001 Requirements for a SAMP — What the Document Must Show
- Asset Management Policy Review — Principles the Plan Must Honour
- Stakeholder Expectations from Boards and Customers — Plan Audience
- SAMP Scope and Asset Portfolio Boundaries — What Is Covered

Day 2: Objectives and Line of Sight

- Corporate Goals to Asset Objectives Mapping — Line of Sight
- Levels of Service for Water and Power — Measurable Targets
- Asset Performance Indicators — Tracking Objective Delivery
- Demand and Growth Forecasts — Future Capacity Needs
- Gap Assessment Against Current Practice — Improvement Priorities

Day 3: Risk, Criticality and Lifecycle Decisions

- Asset Criticality Scoring for Pipes, Pumps and Substations — Focus
- Condition Grading and Deterioration Curves — Renewal Timing
- Risk-Based Investment Ranking — Choosing Between Projects
- Lifecycle Cost Comparison of Repair, Refurbish and Replace — Option Choice
- Long-Term Renewal Forecasts — Funding Profiles Over Decades

Day 4: Information, Resources and Governance

- Asset Register Quality and Data Gaps — Information Improvement Plan
- Resourcing and Competence Requirements — Delivering the Plan
- Maintenance Strategy Alignment — Linking Plan to Work Orders
- Plan Governance and Approval Route — Board Sign-Off
- Review Cycle and Continual Improvement — Keeping the Plan Current

Day 5: Practising the Draft SAMP

- SAMP Outline and Section Writing — Applying Objectives and Line of Sight
- Investment Priority Tables — Water Utility and Power Distribution Cases
- Risk and Lifecycle Evidence Appendices — Supporting Capital Requests
- Executive Summary for the Board — Communicating Key Choices
- Draft Strategic Asset Management Plan — Completed for One Utility

Applying Strategic Asset Management Plan Development for Utilities After the Course

- Map three corporate goals to asset objectives and performance indicators and test the line of sight with the executive sponsor.
- Score the criticality of one asset class across the network and compare it with the current renewal list.

Strategic Asset Management Plan Development for Utilities Questions FAQ

What is strategic asset management plan development for utilities, and why does it matter now?

It is the writing of the plan that turns a utility's asset policy and goals into objectives, priorities and investment choices. It matters now because ageing networks and tighter budgets demand evidence-based renewal.

Which roles gain most from strategic asset management plan development for utilities?

Asset managers, planners, engineers, finance partners and asset information staff gain most. Each supplies part of the evidence and approval the plan needs.

How does strategic asset management plan development for utilities differ from an asset analytics course?

It focuses on writing the strategic plan document and its governance, while an analytics course focuses on data models and forecasting tools. Here you build objectives, priorities and board-ready text.

What do you bring back from strategic asset management plan development for utilities?

You bring back a draft strategic asset management plan for your utility. It contains objectives, line of sight, criticality, investment priorities and a governance and review cycle.

Strategic Asset Management Plan Development for Utilities: The Way Forward

The draft strategic asset management plan first informs the next capital submission to the board. Asset managers own it, planners derive renewal programmes from it and finance partners use its forecasts. After its first use, revisit how performance indicators and asset register improvements should reshape the objectives in the next review cycle.