MERCURY

Advanced Financial Planning & Budgeting for Maintenance & Operations

23 May – 3 June 2027
Dubai (UAE)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Advanced Financial Planning & Budgeting for Maintenance & Operations

Ref: 16472_1022210 **Date:** 23 May – 3 June 2027 **Location:** Dubai (UAE) **Fees:** 8500 Euro

Introduction:

The Advanced Financial Planning and Budgeting for Maintenance and Operations course equips professionals with advanced skills to align maintenance and operational activities with strategic financial goals. Participants will learn how to develop robust financial plans, set accurate budgets for maintenance operations, and integrate cost-control mechanisms that enhance reliability and performance. It emphasizes forecasting maintenance and operating expenditures, evaluating capital versus operating budgets, and improving return on assets through data-driven decisions.

By linking maintenance budgeting with overarching organizational strategy, learners will gain insight into balancing operational efficiency with financial sustainability. The Advanced Financial Planning and Budgeting for Maintenance and Operations program addresses real-world complexities in maintenance and operation budgeting, including asset life-cycle costing, risk mitigation, and contingency planning. It equips professionals with the tools to proactively manage budgets, support business continuity, and contribute strategically to organisational financial planning.

Targeted Groups:

This Advanced Financial Planning and Budgeting for Maintenance and Operations training targets professionals seeking specialized knowledge and skills:

- Maintenance managers are responsible for cost forecasting and budget allocation.
- Financial controllers or analysts working in asset-intensive industries.
- Operations managers who wish to align O&M operations & maintenance spending with business strategy.
- Project engineers oversee lifecycle cost planning for major equipment.
- Procurement and supply-chain specialists are involved in maintenance budgeting decisions.
- Reliability engineers looking to quantify maintenance investments in financial terms.

Course Objectives:

Participants will achieve the following objectives by completing the Advanced Financial Planning and Budgeting for Maintenance and Operation course:

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

- Gain the ability to construct comprehensive maintenance and operation budgets that reflect short-term and long-term asset requirements.
- Develop skills to forecast maintenance expenditures using historical data, usage profiles, and risk-based models.
- Understand the distinction between CAPEX and OPEX in maintenance budgeting and make informed decisions accordingly.
- Acquire techniques to monitor budget variances, adjust forecasts dynamically, and communicate financial implications to senior management.
- Learn to integrate maintenance budgeting processes into broader financial planning frameworks and link to organisational performance metrics.
- Enhance capacity to assess cost-benefit and life-cycle costing models for maintenance investments, supporting strategic decision-making.

Targeted Competencies:

Participants will gain the following competencies during the Advanced Financial Planning and Budgeting for Maintenance and Operations program:

- Model preventive, predictive, and corrective maintenance spending within budgets.
- Apply budgeting frameworks and allocate labour, materials, and contingency funds.
- Collaborate across maintenance, operations, and finance, translating technical data into financial insights.
- Interpret cost drivers and align budgeting strategies with operational goals.
- Evaluate investment vs expense trade-offs to optimise asset life-cycle cost and sustainability.

Studying Scenarios:

In this Advanced Financial Planning and Budgeting for Maintenance and Operations training, participants will develop their skills through the analysis of the following scenarios:

- Developing a multi-year budget for equipment overhaul, balancing CAPEX and OPEX.
- Analyzing the impact of shifting from reactive to preventive maintenance on costs and resources.
- Comparing zero-based vs incremental budgeting and evaluating risk-based contingencies in an oil & gas facility.
- Crafting a financial plan aligning maintenance costs with strategic reliability goals and governance frameworks.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

MERCURY

Course Content:

Unit 1: Foundations of Maintenance Financial Planning:

- Introduction to key concepts of maintenance budgeting and operation planning.
- Distinction between CAPEX and OPEX in maintenance and operational spending.
- Understanding the role of asset-life cycle cost in financial planning.
- Overview of budgeting methods: incremental budgeting, zero-based budgeting, and activity-based budgeting relevant to maintenance operations.
- Linking maintenance financial planning to organisational strategy and performance indicators.
- Understanding cost drivers in maintenance and how they impact budget forecasting.

Unit 2: Data-Driven Forecasting for Maintenance & Operation:

- Gathering historical maintenance data and structuring it for financial modelling.
- Identifying trends in maintenance expenditures and using them to build forecast models.
- Incorporating usage profiles, failure rates, and preventive maintenance schedules into budget forecasts.
- Applying scenario analysis to test the sensitivity of budget assumptions.
- Methods to project future maintenance cost growth and alignment with business expansion or contraction.
- Integrating forecasting models into financial planning cycles for operations.

Unit 3: Budget Preparation Strategies for Maintenance and Operation:

- Step-by-step process for preparing a maintenance budget: from baseline to final approval.
- Allocation of labour, parts, materials, service contracts, and contingency funds in the budget.
- Prioritising maintenance activities to align with budget constraints and business risk.
- Translating maintenance strategy into budget line items and categories.
- Techniques to obtain buy-in from operations, finance, and senior management.
- Drafting budget narratives to explain key assumptions, cost drivers, and expected outcomes.

Unit 4: Cost Control and Monitoring Within Maintenance Budgets:

- Key performance indicators KPIs and metrics to monitor maintenance budget performance e.g., cost per asset, downtime cost, reactive vs preventive ratio.
- Budget variance analysis: identifying and interpreting discrepancies between forecast and actual.
- Corrective actions and re-forecasting during the budgeting period.
- Role of dashboards and reporting in maintenance financial control.
- Managing supplier contracts and service agreements within the maintenance budget.
- Techniques to implement continuous improvement loops in maintenance budgeting.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Unit 5: Life-Cycle Costing and Investment Decisions in Maintenance:

- Understanding life-cycle costing for assets and its implications on maintenance budgeting.
- Evaluating investment decisions for major repair, refurbishment, or replacement of equipment.
- Comparing the total cost of ownership TCO versus the short-term maintenance expense.
- Calculating depreciation, residual value, salvage, and reinvestment timing in maintenance budgets.
- Applying decision-making frameworks to select optimal maintenance investment strategies.
- Integrating investment decisions into financial planning for maintenance and operation.

Unit 6: Risk Management and Contingency Planning in Maintenance Budgets:

- Identifying maintenance and operational risks that impact budget outcomes.
- Quantifying risk exposure e.g., equipment failure, regulatory compliance, supply-chain disruption and linking to budget contingencies.
- Building realistic contingency reserves in maintenance budgets.
- Scenario-based stress testing of maintenance budget plans under different disruption models.
- Communicating risk and contingency to stakeholders in a maintenance financial context.
- Governance and oversight mechanisms for maintenance budgeting and risk management.

Unit 7: Aligning Maintenance Budgeting with Business Strategy and Performance:

- Mapping maintenance financial planning to organisational strategic objectives e.g., asset reliability, safety, productivity.
- Ensuring maintenance budgets support operational performance targets and long-term sustainability.
- Collaboration between maintenance, operations, finance, and leadership teams.
- Using budgeting as a communication bridge between technical and financial stakeholders.
- Linking maintenance budget outcomes to business KPIs e.g., uptime, yield, life-cycle cost reduction.
- Review and adjustment of budgets as business strategy evolves.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Unit 8: Advanced Tools and Techniques for Maintenance Financial Planning:

- Use of software and tools for maintenance budgeting, forecasting, and monitoring such as CMMS, EAM, and budgeting modules.
- Leveraging data analytics and predictive maintenance inputs to refine budget models.
- Applying benchmarking, unit costing, and cost-per-asset metrics in maintenance budgeting.
- Integrating dashboards, visualisation, and reporting tools to maintain financial performance.
- Deployment of continuous improvement processes in maintenance and financial planning.
- Emerging techniques: AI-based anomaly detection, digital twin integration, and their influence on maintenance budgets.

Unit 9: Communication, Change Management, and Stakeholder Engagement:

- Best practices for presenting maintenance and operation budgets to senior management and the board.
- Bridging the language gap between maintenance engineers, operations managers, and finance professionals.
- Leading change in maintenance budgeting culture: from reactive to proactive investment orientation.
- Building stakeholder buy-in and aligning behaviour to the planned maintenance financial strategy.
- Managing resistance and embedding budgeting discipline in operations.
- Ongoing engagement, training, and feedback loops to sustain maintenance budgeting improvements.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Unit 10: Case Studies, Review, and Continuous Improvement in Maintenance Budgeting:

- Detailed case studies of organisations that successfully implemented advanced maintenance financial planning and budgeting.
- Lessons learnt, common pitfalls, and best practices for maintenance budgeting.
- Review of participants' draft maintenance budget models and peer feedback.
- Benchmarking maintenance budget performance and setting continuous improvement goals.
- Developing an action plan for participants to apply advanced financial planning and budgeting for maintenance & operation in their own organisations.
- Summary of course key insights and setting milestones for ongoing financial performance improvement.

Final Insights & Key Takeaways:

This course empowers professionals to elevate maintenance and operation functions into strategic financial contributors within their organisations. Participants finish with a roadmap for integrating advanced budgeting, forecasting, and planning techniques to drive sustainable, cost-effective reliability in maintenance and operations.