KOENIG
step forward

KOENIG SOLUTIONS · COURSE OUTLINE

Asset Lifecycle: Maintenance, Valuation & Disposal

Learn to plan, maintain, value and dispose of organisational assets across their full lifecycle.

3 Days	9	59	7
DURATION	MODULES	TOPICS	HANDS-ON ACTIVITIES

COURSE OVERVIEW

This course covers the stages of asset lifecycle management, from planning and acquisition through procurement, financing and vendor evaluation. It addresses asset operation and maintenance strategies, including preventive, predictive and corrective approaches supported by technologies such as IoT sensors and CMMS, alongside asset tracking, inventory control and performance indicators. It examines asset valuation and depreciation methods, reporting requirements, disposal and replacement criteria, sustainable disposal practices, and planning for asset renewal. It concludes with governance, compliance and risk management, alignment with organisational strategy, and case studies and practical exercises applying these concepts.

WHO THIS COURSE IS FOR

- **Asset Managers**
- **Maintenance Engineers**
- **Procurement Officers**
- **Finance and Accounting Staff**
- **Compliance Officers**
- **Facilities Managers**

LEARNING OBJECTIVES

- Explain the stages and importance of asset lifecycle management
- Identify asset types and key benefits of effective management
- Plan asset acquisition through needs assessment and procurement
- Apply maintenance strategies such as preventive and predictive methods
- Describe asset tracking, inventory and performance indicators
- Interpret asset valuation and depreciation methods
- Assess disposal, replacement and renewal decisions
- Evaluate governance, compliance and risk management practices

COURSE SYLLABUS

9 Modules, 59 Topics

01

Introduction to Asset Lifecycle Management

TOPICS

- Definition and Importance of Asset Lifecycle Management
- Role in organizational efficiency, cost control, and sustainability
- **Asset Lifecycle Stages:** Planning → Acquisition → Operation → Maintenance → Tracking → Valuation → Disposal

TYPES AND CATEGORIES OF ASSETS

- Tangible and intangible assets

KEY BENEFITS OF EFFECTIVE ASSET MANAGEMENT

- Compliance with internal controls
- Supporting governance and transparency
- Supporting sustainability goals

02

Asset Planning and Acquisition

DEVELOPING AN ASSET MANAGEMENT STRATEGY

- Aligning asset decisions with organizational policies and objectives

NEEDS ASSESSMENT & JUSTIFICATION

- Identifying functional gaps and requirements
- Prioritizing investments based on lifecycle costing

PROCUREMENT PROCESSES & DOCUMENTATION

- Vendor evaluation and selection
- Tendering/quotation procedures
- Audit-ready procurement documentation

FINANCIAL CONSIDERATIONS

- Budgeting, financing, cost-benefit analysis
- Avoiding over-acquisition or under-utilization

03

Asset Operation and Maintenance

OPERATIONAL MANAGEMENT OF ASSETS

- Standard operating procedures
- Compliance with internal control frameworks

MAINTENANCE STRATEGIES

- Preventive, predictive, and corrective maintenance
- Maintenance scheduling and documentation

TECHNOLOGY IN MAINTENANCE

- IoT sensors
- CMMS (Computerized Maintenance Management Systems)
- Digital maintenance logs

04

Asset Tracking, Inventory & Performance Management

ASSET TRACKING AND DIGITALIZATION

- RFID, barcode, QR code, GPS
- Asset registers and tagging standards

INVENTORY MANAGEMENT

- Stock control
- Spare parts and consumables management

ASSET PERFORMANCE INDICATORS

- KPIs, reliability, uptime/downtime, utilization metrics
- Performance-based renewal decisions

OPTIMIZATION TECHNIQUES

- Lifecycle costing
- Reliability-Centered Maintenance (RCM)
- Benchmarking and continuous improvement

05

Asset Valuation and Depreciation

METHODS OF ASSET VALUATION

Fair value, historical cost, replacement cost

DEPRECIATION METHODS

Straight-line, reducing balance

RECORDING & REPORTING REQUIREMENTS

Alignment with accounting and audit standards · Integration with financial and ERP systems

06

Asset Disposal, Replacement & Renewal

END-OF-LIFE ASSET MANAGEMENT

- Identifying obsolete or non-performing assets
- Condition assessments

DISPOSAL & REPLACEMENT CRITERIA

- Safety, compliance, cost-effectiveness

SUSTAINABLE & ETHICAL DISPOSAL PRACTICES

- Recycling, reuse, environmentally responsible disposal

PLANNING FOR ASSET RENEWAL

- Budgeting, long-term capital planning
- Replacement decision frameworks

07

Governance, Compliance & Risk Management

GOVERNANCE IN ASSET MANAGEMENT

- Roles, responsibilities, approval mechanisms
- Accountability frameworks

COMPLIANCE REQUIREMENTS

- Reporting standards
- Documentation requirements
- Audit support

INTERNAL CONTROL FRAMEWORKS

- Segregation of duties
- Asset registers, documentation controls

ASSET RISK MANAGEMENT

- Identifying operational, financial, and compliance risks
- Mitigation strategies
- Business continuity considerations

08

Integrating Asset Management with Organizational Strategy

STRATEGIC ALIGNMENT

- Linking asset management goals to broader organizational objectives

STAKEHOLDER ENGAGEMENT

- Engaging cross-functional teams in asset-related decisions

SUSTAINABILITY & COST-EFFECTIVENESS

- Long-term planning and optimization of asset investment decisions

CONTINUOUS IMPROVEMENT

- Process maturity assessments
- Alignment with ISO 55000 best practices

Case Studies, Practical Exercises & Group Activities

3 Case Studies | 4 Practical Exercises

10

Course Wrap-Up & Action Planning

TOPICS

- Consolidation of Learning
- Participant Action Plan for Workplace Implementation
- Certification and Completion Requirements

HANDS-ON ACTIVITIES

Practise What You Learn

#	MODULE	CASE STUDIES	PRACTICAL EXERCISES	HANDS-ON TOOLS
09	**Case Studies, Practical Exercises & Group Activities**	■ Asset planning examples ■ Maintenance optimization scenarios ■ Asset failure and lessons learned	■ Depreciation calculations ■ Asset planning scenarios ■ Maintenance scheduling ■ Disposal decision matrix	■ Asset register templates ■ KPI dashboard exercise ■ Tracking templates

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

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Talk to a learning advisor about schedules, group training and customised delivery.

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