# Training Course on Infrastructure Asset Management and ISO 55000 Series

Professional Development Training Course Outline

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|---|---|---|---|
| **Category** | Development | **Duration** | 10 Days |
| **Base Fee** | $3,000 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

**Infrastructure Asset Management** is a critical discipline that ensures long-term, cost-effective, and sustainable management of physical assets across their life cycles. This intensive training course empowers professionals with in-depth knowledge of **ISO 55000 standards**, lifecycle asset strategies, and risk-based decision-making frameworks. Designed for real-world application, it merges global best practices with data-driven management techniques to optimize infrastructure performance, reliability, and resilience.

As infrastructure systems age and funding becomes more limited, organizations must adopt **structured asset management systems** to make smarter investment decisions. This course bridges the gap between theory and practical implementation by offering a comprehensive understanding of ISO 55001 certification requirements, strategic asset planning, and technology-enabling tools such as GIS, BIM, and IoT for smarter infrastructure decisions. Participants will gain actionable insights to implement asset management systems that meet international standards and improve stakeholder confidence.

## Programme Curriculum

**Training Course on Infrastructure Asset Management & ISO 55000 Series**

**Introduction**

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**Course Duration**

10 days

**Course Objectives**

1. Understand the fundamentals of **Infrastructure Asset Management Systems**.
2. Apply the ISO 55000, 55001, and 55002 standards for structured asset governance.
3. Develop strategic and tactical **asset management plans**.
4. Align asset management with organizational objectives and risk appetite.
5. Improve lifecycle costing, capital planning, and **condition assessment** techniques.
6. Integrate asset information systems and digital tools like **GIS and BIM**.
7. Conduct **risk-based decision-making** and asset criticality analysis.
8. Utilize performance monitoring and **KPIs for infrastructure optimization**.
9. Enhance **financial sustainability** through better asset investment strategies.
10. Promote **resilient infrastructure systems** in the face of climate change.
11. Implement continuous improvement and audit practices for ISO 55001 compliance.
12. Facilitate stakeholder engagement and transparent communication frameworks.
13. Achieve **ISO 55001 certification readiness** for your organization.

**Organizational Benefits**

- Reduce operational and capital costs through efficient asset strategies.
- Improve infrastructure reliability, safety, and lifecycle performance.
- Strengthen regulatory compliance and ISO 55001 audit readiness.
- Enable data-driven decision-making using digital asset tools.
- Enhance risk management and business continuity planning.

**Target Audience**

1. Asset Managers
2. Infrastructure Engineers
3. Municipal & Government Officials
4. Facility Managers
5. Risk & Compliance Officers
6. Maintenance and Reliability Engineers
7. Urban Planners and Civil Engineers
8. Professionals pursuing **ISO 55001 certification**

**Course Outline**

**Module 1: Introduction to Asset Management Principles**

- Define asset management
- Role in sustainable infrastructure

- Introduction to ISO 55000 series
- Lifecycle thinking
- Asset value optimization

**Module 2: Overview of ISO 55000, 55001, 55002**

- Structure of standards
- Core principles
- Terminology and clauses
- Requirements for compliance
- Integration with other standards

**Module 3: Asset Management Policy & Strategy**

- Drafting asset policies
- Alignment with corporate strategy
- Asset hierarchy mapping
- Vision and objective setting
- Policy deployment

**Module 4: Asset Lifecycle Management**

- Lifecycle phases overview
- Renewal and replacement planning
- Rehabilitation techniques
- Decommissioning planning
- Cost-benefit analysis

**Module 5: Risk Management in Asset Planning**

- Risk identification & analysis
- Asset criticality
- Risk registers
- ISO 31000 alignment
- Risk mitigation strategies

**Module 6: Performance Monitoring & KPIs**

- KPI development
- Leading vs lagging indicators
- Benchmarking methods
- Monitoring frameworks
- Dashboard reporting

**Module 7: Asset Information & Data Management**

- Data quality principles
- Asset data standards
- GIS integration
- CMMS and ERP systems
- Asset registers

**Module 8: Capital Investment & Financial Planning**

- Budget forecasting
- CapEx and OpEx planning
- Total cost of ownership
- Investment prioritization
- Financial modeling

**Module 9: Asset Maintenance Strategies**

- Preventive vs predictive
- Condition-based maintenance
- Failure analysis
- Maintenance scheduling
- Maintenance optimization tools

**Module 10: Digital Technologies in Asset Management**

- BIM applications
- IoT for asset tracking
- AI-driven analytics
- Mobile asset inspection
- Cloud-based asset systems

**Module 11: Strategic Asset Management Plan (SAMP)**

- Components of SAMP
- Development process
- Communication strategy
- Review cycles
- Sample templates

**Module 12: ISO 55001 Certification Process**

- Pre-audit preparation
- Documentation requirements
- Internal audits
- External certification process
- Continuous improvement practices

**Module 13: Stakeholder Engagement & Governance**

- Identifying stakeholders
- Engagement strategies
- Governance models
- Communication plans
- Role of leadership

**Module 14: Climate Resilience & Sustainability in Assets**

- Sustainability metrics
- Climate adaptation planning
- Carbon footprint of assets
- Green infrastructure
- Sustainable procurement

**Module 15: Real-World Case Studies & Applications**

- Municipal asset management
- Transportation infrastructure
- Utilities and water systems
- Case study analysis
- Lessons learned

**Training Methodology**

- **Interactive Lectures** with real-world examples
- **Group Exercises** and scenario-based simulations
- **Hands-On Case Studies** with industry templates
- **Quizzes & Knowledge Checks** for engagement
- **Final Assessment** for course certification

**Register as a group from 3 participants for a Discount**

**Send us an email:** info@fineskilltrainingcenter.org **or call** *+254769199797*

***Certification***

*Upon successful completion of this training, participants will be issued with a globally- recognized certificate.*

***Tailor-Made Course***

*We also offer tailor-made courses based on your needs.*

**Key Notes**

**a.** The participant must be conversant with English.

**b.** Upon completion of training the participant will be issued with an Authorized Training Certificate

**c.** Course duration is flexible and the contents can be modified to fit any number of days.

**d.** The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

**e.** One-year post-training support Consultation and Coaching provided after the course.

**f.** Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

## Upcoming Scheduled Sessions

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 04 Dec 2026 | Online | $2,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $3,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $6,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $6,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $9,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |

Ready to enroll or request a customized program? Book online or contact us:

**Register Online Now**

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com