Strategic Asset Management and ISO 55000 Compliance Training Course



21 - 25 Dec 2026

Kuala Lumpur

5200 € (Per Person)

Ref: #INM6677_113145

Course Introduction / Overview:

This course provides a comprehensive framework for mastering strategic physical asset management in alignment with the ISO 55000 international standards. In today's competitive landscape, organizations can no longer view assets merely as operational tools but as critical components of value creation. This program is designed to shift that perspective, enabling participants to develop and implement a robust Asset Management System (AMS) that optimizes asset performance, manages risk, and improves financial returns throughout the entire asset lifecycle. Drawing on principles articulated by leading experts like John Woodhouse, a key figure in the development of asset management standards, and concepts from his works such as "Asset Management - The Whole-Life Management of Physical Assets", the course delves into the practical application of these standards. BIG BEN Training Center has structured this training to bridge the gap between theoretical knowledge of ISO 55000 and its real-world implementation. Participants will learn to create a Strategic Asset Management Plan (SAMP), align asset management objectives with corporate strategy, and foster a culture of continuous improvement, ensuring sustainable performance and compliance. This is an essential journey for any professional aiming to unlock the full potential of their organization's physical assets.

Target Audience / This training course is suitable for:

- Asset Managers and Practitioners.
- Maintenance and Reliability Engineers.
- Operations and Production Managers.
- Engineering and Technical Managers.
- Facilities and Infrastructure Managers.
- Finance Managers and Planners involved in capital projects.
- Quality and Compliance Managers.
- Internal and External Auditors.
- Project Managers.
- Senior Management and Executives.

Target Sectors and Industries:

- Oil and Gas.
- Manufacturing and Industrial Production.
- Utilities (Water, Electricity, Gas).
- Transportation and Logistics (Aviation, Rail, Marine).
- Mining and Natural Resources.
- Pharmaceuticals and Chemicals.
- Telecommunications.
- Public Sector and Governmental Agencies.
- Real Estate and Facilities Management.
- Healthcare and Hospitals.

Target Organizations Departments:

- Asset Management and Maintenance Departments.
- Operations and Production.
- Engineering and Technical Services.
- Finance and Accounting.
- Strategic Planning and Corporate Development.
- Procurement and Supply Chain.
- Quality Assurance and Control.
- Health, Safety, and Environment (HSE).
- Information Technology (for asset information systems).
- Risk Management and Compliance.

Course Offerings:

By the end of this course, the participants will have able to:

- Interpret the requirements of the ISO 55000, 55001, and 55002 standards.
- Develop a robust asset management policy and strategy.
- Create a Strategic Asset Management Plan (SAMP) aligned with organizational goals.
- Implement a comprehensive Asset Management System (AMS).
- Apply risk-based approaches to asset management decision-making.
- Optimize asset lifecycle activities from acquisition to disposal.
- Establish key performance indicators (KPIs) to monitor asset performance.
- Lead and support a culture of asset management excellence.
- Prepare their organization for ISO 55001 compliance or certification audits.
- Integrate asset management with other management systems.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and engaging, ensuring that participants not only learn the theory but can also apply it directly to their work environments. We move beyond traditional lectures to a blended learning approach that includes expert-led presentations, detailed case study analyses of successful ISO 55000 implementations, and interactive group discussions where participants can share their unique challenges and experiences. A significant portion of the course is dedicated to hands-on workshops and practical exercises, such as developing a draft asset management policy or a risk assessment matrix. This active learning environment is facilitated by experienced instructors who provide real-time feedback and guidance. Team-based activities encourage collaborative problem-solving and the exchange of best practices among peers from various industries. The course fosters a supportive atmosphere where questions are encouraged, and complex concepts are broken down into manageable steps, ensuring a deep and lasting understanding of strategic asset management principles and their application.

Course Agenda (Course Units):

Unit One Foundations of Strategic Asset Management

- Introduction to Physical Asset Management.
- The Business Case for Asset Management.
- Key Terminology and Principles.
- Overview of the ISO 55000 Standard Series (55000, 55001, 55002).
- The Structure and Benefits of an Asset Management System (AMS).
- Understanding the Organizational Context and Stakeholder Needs.
- Defining the Scope of the Asset Management System.

Unit Two Developing the Asset Management Strategy

- The Role of Leadership and Commitment in Asset Management.
- Developing and Communicating the Asset Management Policy.
- Aligning Asset Management Objectives with Organizational Objectives.
- Creating the Strategic Asset Management Plan (SAMP).
- Integrating the SAMP with Financial and Business Planning.
- Asset Management Roles, Responsibilities, and Authorities.
- Competence, Awareness, and Communication Planning.

Unit Three Asset Management Planning and Risk Management

- Operational Planning and Control for Asset Management Activities.
- Managing Risk in Asset Management.
- Techniques for Asset Risk Identification and Assessment.
- Developing Risk Treatment and Mitigation Plans.
- Management of Change Processes.
- Outsourcing Asset Management Activities and Supplier Control.
- Asset Information Management and Requirements.

Unit Four Implementation and Operation of the AMS

- Executing Asset Lifecycle Activities.
- Capital Investment Planning and Decision-Making.
- Operations and Maintenance Strategy Development.
- Reliability-Centered Maintenance (RCM) Concepts.
- Managing Asset Information, Data, and Documentation.
- Emergency Preparedness and Response Planning.
- Resource Planning for Asset Management.

Unit Five Performance Evaluation and Continual Improvement

- Monitoring, Measurement, Analysis, and Evaluation of Asset Performance.
- Establishing Effective Asset Management KPIs.
- The Internal Audit Process for an AMS.
- Management Review of the Asset Management System.
- Identifying and Managing Nonconformities.
- Corrective Action and Preventive Action Processes.
- Driving Continual Improvement in Asset Management Performance.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

Beyond compliance and cost savings, how can a mature Strategic Asset Management Plan (SAMP) become a primary driver of innovation and competitive advantage within an organization?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by focusing on the strategic integration of asset management into the core of business operations, rather than treating it as a siloed technical function. While many programs concentrate solely on the clauses of the ISO 55001 standard, this training emphasizes the 'why' behind the 'what', enabling participants to champion asset management as a value-creation engine. We move beyond mere compliance to cultivate a mindset of strategic optimization, teaching participants how to align their Strategic Asset Management Plan (SAMP) directly with corporate financial and strategic goals. The curriculum is enriched with practical case studies that illustrate both successes and failures in implementation, providing deep, actionable insights. A key differentiator is our focus on leadership and culture change, recognizing that a successful Asset Management System is built on people and processes, not just technology. Participants will leave not just with a thorough understanding of the ISO 55000 framework, but with the strategic perspective and practical skills needed to lead their organization towards sustainable asset performance and a tangible competitive edge.