

The Asset Management Landscape

Blended learning

What is it all about?

Remain abreast of the latest trends with a holistic view of asset management. This course provides an overview of the discipline of asset management and a framework for understanding the various subjects covered in the GFMAM's Asset Management Landscape document.

The course is based on internationally recognised documents and standards. These include the GFMAM's Asset Management Landscape and its 39 Subjects, the ISO 55000 standard for an asset management system, the IAM's latest version of Asset Management - An Anatomy, as well as the previously released PAS 55 specification. It also considers the competency requirements as defined by the Australian Asset Management Council, which has already been accepted by a number of GFMAM members as the basis of their endorsed asset management qualifications.

It is essential knowledge for anyone responsible for the management and maintenance of physical assets, such as infrastructure and plant, who aims to succeed in today's highly demanding environment.

Who should attend?

- Senior managers in asset intensive organisations
- Asset management specialists
- Production/Operations managers
- Engineering/Maintenance managers
- Project engineers
- Engineering/Maintenance supervisors
- Risk managers

Format

- Blended learning – elearning and virtual classroom training
- Six virtual classroom contact sessions
- Each contact session takes four hours to complete

What makes it different?

This training course is based on the GFMAM's AM Landscape document to cover all aspects of asset management, but it differs from other generic training:

- It translates the official, academic definitions and concepts into everyday language.
- It includes numerous practical examples and case studies from industry to show how asset management is applied in practice.
- It allows for group discussions and classroom exercises to ensure joint learning and sharing of experience.
- It explains the links between the different subjects to give learners a big picture view of asset management.
- It is presented by experienced consultants who have applied and implemented asset management in real life.
- It gives learners practical knowledge and actions to apply in their working environments.



Course outline

Subjects covered in this three day intervention

Introduction to asset management

An overview of asset management as well as an introduction to the terms and concepts being used in the training, the current international AM standards and frameworks and the benefits of effective asset management.

Asset management strategic planning

The process to develop an AM policy, deploy the AM objectives into KPIs, do a gap assessment and develop a long term AM strategy to address these gaps. The aim is to create a clear “line of sight” between the corporate objectives and the day-to-day asset management activities.

Asset performance measurement and improvement

The process of continual improvement as defined by the last two steps in Deming’s PDCA cycle. It covers the establishment of a balanced set of KPIs with targets to measure the condition and performance of assets, as well as the performance of the AM system. It also covers the dual processes of day-to-day continuous improvement and the focused improvement through structured problem solving.

Asset reliability and maintenance plans

The process to develop optimal maintenance plans for the assets. It covers basic component reliability analysis as well as an overview of the different maintenance tactics – run-to-failure, usage-based maintenance, condition-based maintenance and design improvements. It also explains the RCM process which is used to select the most cost-effective and risk-based maintenance tactic and intervals, resulting in detailed maintenance plans.

Operating and maintaining assets

The best practices to operate and maintain assets over their life cycle. It covers the role of the operating personnel to operate the assets correctly, prevent deterioration and detect problems pro-actively. The maintenance work management process is also covered, focusing on maintenance planning and scheduling best practices. The success factors for effective shutdown management are also discussed.

Asset management resources

Best practices to manage the resources required for all AM activities over the full life cycle of all assets. It addresses outsourcing decisions and contractor management, spare part optimisation and specific supply chain considerations.

Asset information

The management of the information, documentation and knowledge required for effective asset management. It covers the need for timely and accurate information, as well as the use of an EAMS system and associated technologies to enable it. Specific supporting processes like configuration management, technical libraries and knowledge management are put into perspective too.

Asset life cycle management

The main activities to make decisions about assets during their life cycle. It covers the use of life cycle costs to make repair-replace decisions and new capital investment decisions to balance the capacity of an asset portfolio with the expected demand. The capital project process to acquire or create an asset, as well as the decommissioning and disposal of an asset at the end of its life are addressed.

Organising and managing people

The effective management of people to execute the AM activities effectively. It unpacks the elements of employee empowerment in the context of asset management and explains the importance of effective leadership and competency development. It also highlights how autonomy, mastery and purpose lead to employee engagement.

Risk management

This module covers risk management as described in ISO 31000 since it is fundamental to asset management. It explains what risk is and how asset-related risks can be identified, analysed and treated effectively. The links between risk management and other asset management activities are clarified, using practical examples.

For more information



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