

Asset Management Excellence

Utilising the AMCL Asset
Management Excellence Model™
(AMEM) to achieve world class
Asset Management.



What is Asset Management Excellence?

Asset Management is the culmination of a long history of development in the management of physical assets. It is about asset intensive businesses achieving a level of service, risk profile and funding requirement that is acceptable to stakeholders for the life of the assets.

Customers and other stakeholders often concern themselves primarily with current levels of service and cost, after all that is what is experienced in the immediate term.

However, ensuring that these outputs are being delivered in an economic and sustainable manner requires a more in-depth understanding of the decisions, information and processes that an organization is using for the lifecycle management of its assets.

This is an organization's Asset Management capability and the development of this capability can be described in terms of developing maturity. An organization that develops appropriate levels of maturity in its Asset Management capability will achieve sustainable and economic outputs.

We refer to this as Asset Management Excellence. This does not necessarily mean the organization is world class in all aspects of Asset Management but that it has developed its Asset Management capabilities to appropriate levels of maturity based on its priorities and business objectives.

The AMCL Asset Management Excellence Model™

The AMCL Asset Management Excellence Model™ (AMEM) is one of the world's leading Asset Management assessment methodologies.

It incorporates Asset Management guidelines from around the globe, including ISO 55001, BSI PAS 55, and the International Infrastructure Management Manual (IIMM).

It is based around the 39 core Subjects of Asset Management as defined by the Global Forum on Maintenance and Asset Management (GFMAM) in their 'Asset Management Landscape':



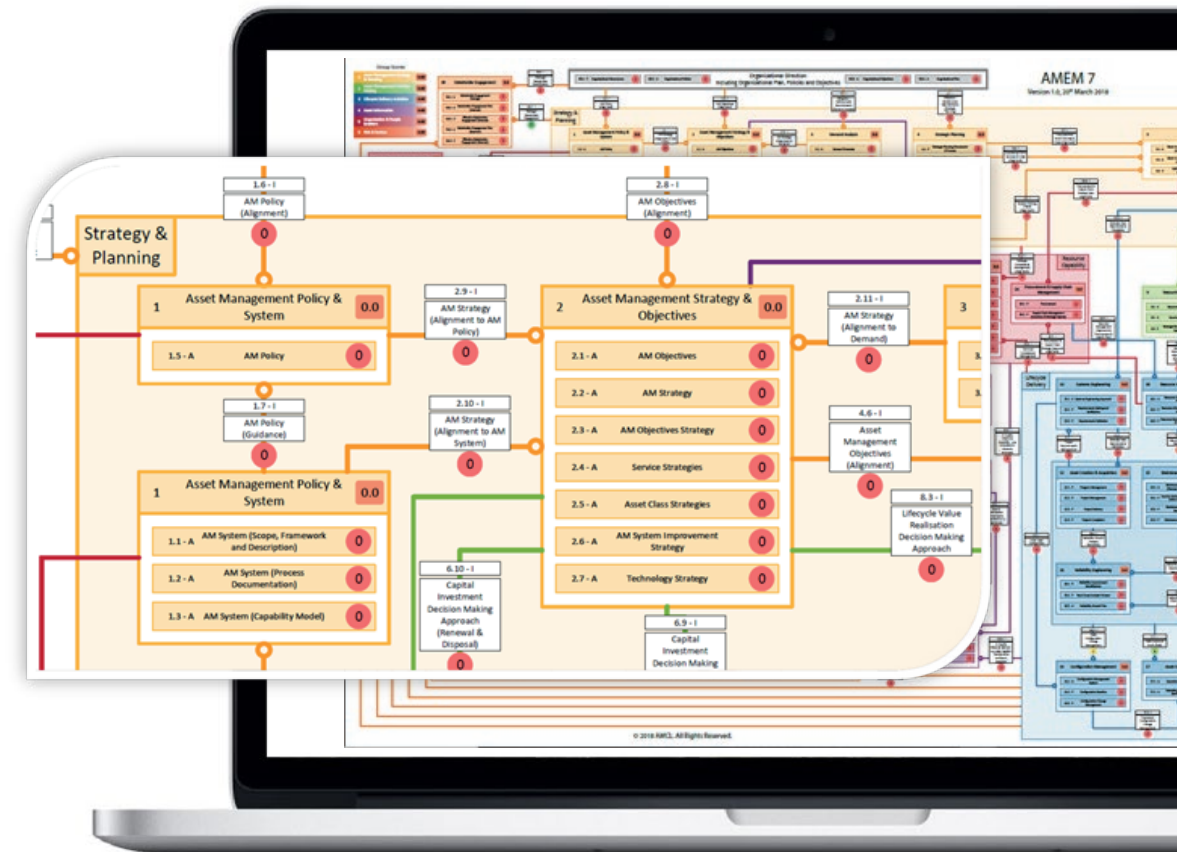
- Strategy & Planning**
 - 01 Asset Management Policy
 - 02 Asset Management Strategy & Objectives
 - 03 Demand Analysis
 - 04 Strategic Planning
 - 05 Asset Management Planning
- Asset Information**
 - 22 Asset Information Strategy
 - 23 Asset Information Standards
 - 24 Asset Information Systems
 - 25 Data & Information Management
- Asset Management Decision-Making**
 - 06 Capital Investment Decision-Making
 - 07 Operations & Maintenance Decision-Making
 - 08 Lifecycle Value Realization
 - 09 Resourcing Strategy
 - 10 Shutdown & Outage Strategy
- Organization & People**
 - 26 Procurement & Supply Chain Management
 - 27 Asset Management Leadership
 - 28 Organizational Structure
 - 29 Organizational Culture
 - 30 Competence Management
- Lifecycle Delivery**
 - 11 Technical Standards & Legislation
 - 12 Asset Creation & Acquisition
 - 13 Systems Engineering
 - 14 Configuration Management
 - 15 Maintenance Delivery
 - 16 Reliability Engineering
 - 17 Asset Operations
 - 18 Resource Management
 - 19 Shutdown & Outage Management
 - 20 Fault & Incident Response
 - 21 Asset Decommissioning & Disposal
- Risk & Review**
 - 31 Risk Assessment & Management
 - 32 Contingency Planning & Resilience Analysis
 - 33 Sustainable Development
 - 34 Management of Change
 - 35 Asset Performance & Health Monitoring
 - 36 Asset Management System Monitoring
 - 37 Management Review, Audit & Assurance
 - 38 Asset Costing & Valuation
 - 39 Stakeholder Engagement

Immediate benefits of applying the AMEM assessment methodology include:

- A clear view of organizational best practice and areas for potential improvement
- Identification and benchmarking of internal areas of excellence
- Access to the extensive AMEM assessment database and benchmarking against external sectors, industries and best practices
- A prioritised list of activities for improvement either to meet defined standards (such as ISO 55001) or self-defined targets
- Tangible evidence to support decisions for enhancing organizational systems, processes and procedures

The AMEM represents the 39 Subjects in a maturity map, which means you can see in a glance how your organization performs with respect to the processes and artefacts associated with each of the 39 Subjects, and the integrations (dependencies) between them.

AMEM assessments can be undertaken as 'Core' assessments, where the focus is on the individual Subjects and their processes and artefacts. 'Full' assessments include the integrations as well.



A Complete Asset Management Improvement Programme

Improving your level of Asset Management capability can give improved confidence to your stakeholders, who will experience a more responsive organization that is able to deliver their requirements in a consistent and sustainable way.

It also supports improved bottom-line delivery and enables better control of risks and improved realisation of opportunities and benefits.

AMCL uses a maturity scale to assess an organization's Asset Management capability. The maturity scale is aligned with the Institute of Asset Management's (IAM's) definition of Asset Management Excellence (see www.theiam.org). ISO 55001, the international standard on Asset Management, is a key waypoint on both the maturity scale and the journey to Asset Management Excellence.

An AMEM assessment enables organizations to develop Asset Management improvement programmes that, over time, will grow its Asset Management maturity to Asset Management Excellence, and lead to tangible benefits in the future.



CLIENT TESTIMONIALS

“ AMCL has been critically reviewing Network Rail’s improvement program for Asset Management on a regular basis over the last 9 years utilizing the AMCL Asset Management Excellence Model. Their insights and recommendations, which are made publicly available through the ORR’s (Office of Rail Regulation) website, have directly assisted our journey towards a target of ‘excellence’ in all our principal Asset Management Activities within the next Control Period. ”

Head of Asset Management Strategy
Network Rail, UK

“ In our dealings with AMCL we have found them to be at the forefront of Asset Management leading practice. Their advice and guidance has proven to be practical, insightful and very helpful. What is most pleasing is that they have always focused on helping the organization move to the next stage in its Asset Management Improvement Journey. ”

Asset Management Specialist
TransGrid, NSW Australia

“ AMCL has been actively involved in the development of our [Rail for London] Crossrail Business Landscape from the outset. The resulting Business Landscape Diagram’s core use is for training and communication. We have been able to use it to provide new starters, stakeholders across the rail industry and our suppliers with an overview of [RfL] Crossrail. This includes how we will Operate and Maintain the railway in the future. ”

Training and Competency Manager
Rail for London Crossrail, UK

“ AMCL is a fast-start system to building a robust Asset Management Program in any sized organization from any current state. ”

Asset Management Specialist
Chelan County Public Utility District, USA

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