

Professional Programme in ASSET MANAGEMENT (PPAM)



Available Winter 2024

2024 is undoubtedly an exciting year for any professional in the field of asset management. Faced with changes that include the introduction of new ISO 55000 series of International Standard on Asset Management, Global Forum on Maintenance & Asset Management (GFMAM) Landscape and Institute of Asset Management (IAM) Asset Management Anatomy, asset management professionals have to rise to the occasion and prepare for a multitude of changes being instituted. All these open up opportunities for a new horizon on how asset management may evolve at the organisational level.

Who Should Attend

Executives, managers and engineers employed by infrastructure asset owners, custodians, railway operators and maintainers; government planners and regulators; industry practitioners and researchers of relevant research disciplines



In-Person Training



Networking Group



Discussion

Language

English

Schedule

26 - 29 November 2024

Venue

Hong Kong

PROFESSIONAL PROGRAMME IN ASSET MANAGEMENT

Join international industry experts for a comprehensive look at asset management principles specific to large-scale infrastructure systems, with applications drawn from the expertise in railway infrastructure management of MTR.

The PPAM programme is geared to provide a toolkit for planning committees tasked with transitioning their business units to a new level of good practice and search for excellence.

Overview

The modular syllabus opens with foundational concepts in asset management, followed by general asset management systems, including best practices for their promotion, development, implementation and maintenance. Case studies from MTR will illustrate these principles in practice — highlighting the benefits of digitalisation for an operator with long-term goals.

Newly added is a session devoted to the challenges in AM delivery upon split responsibility between owner and operator of physical assets.

Objectives

- Deepen your understanding of asset management, including its key principles, framework, processes and good practices;
- Recognise the importance of multi-level connections between a corporate operator and its asset management system, and how to develop those connections to maximise their benefits;
- Formulate an asset management system specific to your business goals and operational requirements.

Schedule

	A.M.		P.M.
Day 1 26 Nov (Tue)	Module 1.1 Introduction and the Principles of Asset Management	Module 1.2 Drivers for Asset Management and Developing the Asset Management Policy and Strategic Asset Management Plan	Module 1.3 Risk Management in Asset Management Module 1.4 Decision-Making in Asset Management
Day 2 27 Nov (Wed)	Module 1.5 Information and People in Asset Management	Module 1.6 Asset Lifecycle Delivery and Reflection on the Discipline of Asset Management	Module 2 Overall Landscape of Documents within Asset Management
Day 3 28 Nov (Thu)	Module 3 Challenges in AM Delivery upon Split Responsibility between Owner and Operator of Physical Assets		Module 4 In Search of Excellence of Asset Management
Day 4 29 Nov (Fri)	Module 5 Digitalisation of Asset Management		Module 6 Culture and People in Asset Management Graduation Ceremony

Description of Each Module

1. Asset Management Fundamentals

Speaker: Mr. Paul Burcombe

1.1 Introduction and the Principles of Asset Management

1.2 Drivers for Asset Management and Developing the Asset Management Policy and Strategic Asset Management Plan

Recognise the importance of asset management, as well as the roles and responsibilities of different stakeholders and top management in the asset management process.

1.3 Risk Management in Asset Management

Examine the vital role of risk management in the whole life decision-making process, and how to adopt good practices such as monitoring, assurance as well as asset information in the asset management journey.

1.4 Decision-Making in Asset Management

Understand how corporate objectives and demand drive asset management in a corporate setting; how to develop asset management strategies, policies and planning; and how to use the Whole Life Cost (WLC) model to enhance judgement during the decision-making process.

1.5 Information and People in Asset Management

Define strategic requirements (demand, stakeholder engagement, understanding business priorities from top management) and maintain a line of sight.

1.6 Asset Lifecycle Delivery and Reflection on the Discipline of Asset Management

Learn about various asset management techniques and tools used during the asset life cycle.

2. Overall Landscape of Documents within Asset Management

Speaker: Mr. Paul Burcombe

Be guided through the changes in the landscape related to new industry standards and guidance documents, including the ISO 55001 series, the Institute of Asset Management (IAM) Anatomy Version 4 and the Global Forum on Maintenance and Asset Management's (GFMAM) The Asset Management Landscape Version 3. A discussion will be made on how these would impact on different aspects, from knowledge training, professional development, system implementation, to audit from an expert perspective in the wide asset management community.

In this session, participants will be provided with an:

- Introduction to the overall landscape of documents within asset management and describe the relevance of each to MTR;
- Overview of changes from prior versions of documents, and the additional value of newly published documents;
- Illustration, with practical examples, on how the new suite of documents could support and direct organisations to improve and develop their asset management capabilities.



3. Challenges in AM Delivery upon Split Responsibility between Owner and Operator of Physical Assets

Speaker: Mr. Quentin Leung

In the global context, most governments assume ownership of national infrastructure assets, such as railways, waters, highways, whilst the operations and maintenance will be procured separately and carried out by experienced operators in the industry. In this context, the delivery of asset management is split between the asset owner and operator, which in some examples has been leading to unclear responsibility and hence resulting in undesirable customer experience.

In this session, participants will visualise the undesirable outcomes through some public cases, e.g. asset renewal/refurbishment responsibility between owners and operators; and discuss how this could be resolved, and how asset management principles could be applied to bring more benefits on business outcomes.

4. In Search of Excellence of Asset Management

Speaker: Mr. Quentin Leung

Many organisations had been successful for some time with being certified to ISO 55001. As a motto of continuous improvement, what is the journey next in search of excellence in asset management? Explore the needs, mindset, culture, resources (tools and consultancies), maturity assessment, and benchmarking with the same industry and cross industry.

Use a European infrastructure company as a case study to start with, and what we could learn from it, and develop our own journey.

Participants will be invited to share their own experience from their organisations.



5. Digitalisation of Asset Management

Speaker: Various speakers within MTR

Digitalisation in maintenance and asset management has been revolutionising the traditional practices and delivering results in effectiveness and efficiency.

In this session, participants will explore the current practices and projects on digitalisation in MTR.



6. Culture and People in Asset Management

Facilitator: Mr. Quentin Leung

Successful implementation of asset management relies heavily on the system itself, but the key success factors are in fact the people and the culture within the organisation who deliver the results. Unlike other long-established learned organisations, there are no defined and industry-accepted ways of how to qualify an asset manager, and mostly depends on the organisation to groom the personnel for themselves.

What is the best approach for developing AM professionals?

What is the right culture we need to instil within the organisation such that the company could move forward with the policies and practices, and make use of the system to deliver the results?

Our Speakers



Mr. Paul Burcombe,
AMP, MIAM, MIET,
FITOL

Technical Training Manager,
Asset Management Academy

Paul is currently the Technical Training Manager for the Asset Management Academy and holds accountability for quality of training materials and trainer competence across the AM Academy.

Paul is a proven leader with extensive experience of implementing asset management capability over a large and diverse portfolio of assets, both from an asset owner perspective and as a consultant in multiple sectors including rail, airports and energy.

A dynamic and dedicated professional, Paul is known for growing capability within the organisations he works with, from the delivery teams implementing asset management plans, to the executives leading the organisation. He facilitates the implementation of organisational objectives through the creation of successful Asset Management Improvement Programmes.

Paul applies his engaging and collaborative style with all stakeholders to achieve their desired outcomes, whether this is growing understanding at an executive level, or preparing a delegate for an asset management qualification.

In addition to his commercial commitments, Paul has also supported the IAM with the implementation of qualifications.



Mr. Quentin Leung

Senior Manager -
Rolling Stock Performance,
Mainland China and Macau
Business, MTR

Mr. Quentin Leung was the senior industry specialist that helmed and guided the highly respected MTR Asset Management system through its implementation and development. He was also involved in the certification of the MTR Asset Management System from PAS55 to ISO 55001.

During his past 30 years of service with MTR, Mr. Quentin Leung worked as a specialist in rolling stock design, new fleets introduction, maintenance and operations, improvement projects in safety, reliability and customer service, mid-life refurbishments and renewals. He spent substantial periods in overseas posting with MTR hubs, including Stockholm, London and Sydney where he took up challenging roles in driving rolling stock operations and maintenance performance, transferring knowledge and best practices on asset management and operations excellence to the local teams. Most importantly he influenced the deployment of operation requirements, standards and processes for new FAO projects.

He also actively supported MTR's business developments through franchise biddings in the UK, Sweden, Middle East, and Australia in the capacity of rolling stock and O&M technical leads.

Since Year 2017

Organisations who have sponsored their Executives to the Professional Programmes (previously named as Executive Programmes) – Partial List

Geography

22 countries / regions
within Asia, Europe,
Middle East and Australia



Operators & Contractors (Metro & Light Rail)

- Bangkok Expressway and Metro Public Co.
- CRRC Changchun Railway Vehicles Co. Ltd.
- Hop Yuen Construction
- Light Rail Manila
- SMRT – Singapore
- Prasarana Group / MRT (Kuala Lumpur)
- Chennai Metro Rail Limited
- Hong Kong Tramways
- Lausanne Public Transport Company
- Myanmar Railway
- Metro Sao Paulo
- Seoul Metro

- Kum Shing Group
- Mass Rapid Transit Jakarta
- Metro Jeddah Company
- Metro Trains – Melbourne
- Metroselskabet
- SBS Transit – Singapore
- Tokyo Metro

Regulators

- Land Transport Authority (LTA) of Singapore
- Electrical and Mechanical Services Department, The HKSAR Government
- Highways Department, The HKSAR Government
- The Transportation Infrastructure Office (GIT) of Macau

Utilities

- HK Electric

University, R&D

- Railway and Transport Strategy Centre, Imperial College London

Satisfied Participants

"Good fundamentals taught and delivered well."

4th Intake

"Very useful course, love the discussion with experts from other countries."

9th Intake

"Good to have numerical example for asset life extension and more details of how risks are qualified."

2nd Intake

"Excellent sharing, rich content, well prepared."

9th Intake

"Valuable to show a real case study to demonstrate how MTR applied the theory and practical issues."

3rd Intake

"Depot site visit was interesting."

5th Intake

"All topics are interesting and very important. Speakers were very knowledgeable. Thumbs up!"

1st Intake

Professional Programme in
Asset Management

10th Intake

Intake Scheme and Programme Fees

For more details and registration, please visit MTR Academy's website.



Programme Enquiry

Please contact Ms. Ng at slng@mtr.com.hk or call +852 2520 3453.



Website: www.mtracademy.com

Tel: + 852 2520 3535

Email: academy@mtr.com.hk

Fax: + 852 2520 3570

Subsidiary of MTR Corporation