

# Professional Programme in Asset Management

**PPAM**

## ► Available Winter 2023

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

The PPAM programme will be predominately delivered through in-person discussions and supplemented with technical visits to the various MTR facilities in Hong Kong. On the last day of the programme, group presentations alongside a plenary discussion and a graduation ceremony will be held.

**In-person Training****Technical Visit****Networking Group**

## Who Should Attend

Executives, managers and engineers of infrastructure asset owners, custodians and maintainers.



## Language

English



## Duration

4 days (28 Nov - 1 Dec 2023)



## Venue

Hong Kong

# Professional Programme in Asset Management (PPAM)

## 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 and Prasarana will illustrate these principles in practice—particularly as they pertain to a railway system—highlighting their benefits for an operator with long-term goals.

## 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;
- Learn from the operators' experience at various phases of asset lifecycle; and
- Formulate an asset management system specific to your business goals and operational requirements.



Immersed Tube Towing



## Programme & Schedule

Day	Time (UTC +8)	08:45 – 12:45	12:45 – 14:00	14:00 – 17:45
1 28 November 2023 (Tue)		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	Lunch	1.3 Risk Management in Asset Management 1.4 Decision-Making in Asset Management
2 29 November 2023 (Wed)		1.5 Information and People in Asset Management 1.6 Asset Lifecycle Delivery and Reflection on the Discipline of Asset Management	Lunch	2.1 Planning for Asset Life Assurance and its Challenges
3 30 November 2023 (Thu)		3.1 Asset Management Overview & Practice in Prasarana 3.2 Case Study in Prasarana – Towards a Better Governance in Asset Lifecycle Management	Lunch	4.1 Connecting Asset Management with Corporate Strategic Goals
4 1 December 2023 (Fri)		5.1 Group Discussion, Presentation & Graduation Ceremony	Lunch	6.1 Site Visits



## Module Description

### Module 1

#### Asset Management Fundamentals

Speaker: Mr. Paul Burcombe

##### Session

#### 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 (3.75 hours)

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 (2 hours)

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 (1.75 hours)

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 (1.75 hours)

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 (2 hours)

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

### Module 2

#### Planning for Asset Life Assurance and its Challenges

Speaker: Mr. Quentin Leung

##### Session

#### 2.1. Planning for Asset Life Assurance and its Challenges (3.5 hours)

Understand the needs and challenges of asset assurance throughout the lifecycle of the asset, as well as the processes in asset condition assessment and decision making, with illustrations through case studies where appropriate.



### Core Module 3

#### Asset Management Overview & Practice in Prasarana Case Study in Prasarana – Towards a Better Governance in Asset Lifecycle Management

Speaker: Mr. Ishak Jahari

##### Session

#### 3.1 Asset Management Overview & Practice in Prasarana

#### 3.2 Case Study in Prasarana – Towards a Better Governance in Asset Lifecycle Management (4 hours)

Understand strategy and implementation tactics from asset selecting to decommissioning through different asset management tools used by Prasarana in managing various parts of the asset management lifecycle.



### Module 4

#### Connecting Asset Management with Corporate Strategic Goals

Speaker: Mr. Quentin Leung

##### Session

#### 4.1. Connecting Asset Management with Corporate Strategic Goals (3.5 hours)

Discover MTR's methodology for establishing a robust asset management system, as well as tools for maintaining and managing its extensive assets.



## Module Description

### Module 5

#### Group Discussion, Presentation & Graduation Ceremony

##### Group Presentation

Working in groups, participants shall prepare a presentation discussing various aspects of a selected topic on asset management, through which participants are able to accelerate and reinforce their understanding in asset management.

At the end of the programme, each participant will be presented with a certificate during the Graduation Ceremony.



Group Discussion & Presentation

### Module 6

#### Site Visits

A line up of technical visits to the various MTR facilities (Depot, Operations Control Centre and Integrated Training Facility).



Visit to Depot

## Organisations who have sponsored their Executives to the Professional Programmes\* – Partial List

since Year 2017

\* (previously named as Executive Programmes)

### Geography

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

### Operators & Contractors (Metro & Light Rail)

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

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

- Hongkong Electric

### University, R&D

- Railway and Transport Strategy Centre, Imperial College London

## Satisfied Participants

*"Good fundamentals taught and delivered well."*

4<sup>th</sup> Intake

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

3<sup>rd</sup> Intake

*"Depot site visit was interesting."*

5<sup>th</sup> Intake

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

2<sup>nd</sup> Intake

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

1<sup>st</sup> Intake



## Our Speakers



**Mr. Paul Burcombe**  
*Technical Training Manager, Asset Management Academy*

Paul is the Technical Training Manager for the Asset Management Academy and has responsibility for development of training materials for public courses and client specific requirements. He has extensive experience of training delivery within a global market, having worked with clients in the UK, USA, Canada, Latin America, Africa, Middle East, Asia and Australia.

Paul's background is in airports, with 30 years' experience spanning UK airports. Since moving to consulting, he has extended his experience into other industries, including, rail, power generation, transmission and distribution, highways, water and nuclear decommissioning.

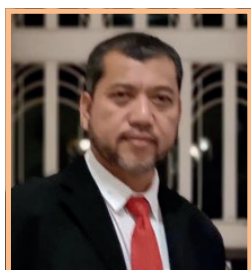
Paul has worked across multiple sectors, including delivery of training for clients in mining, manufacturing, utilities and transportation.



**Mr. Quentin Leung**  
*Senior Manager - Rolling Stock Performance, Mainland China and Macau Business, MTR*

Mr. Quentin Leung is 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.

He has held senior positions in train design and maintenance with MTR Hong Kong and in overseas railway projects and franchises.



**Mr Ishak Jahari**  
*General Manager, Land and Asset Management, Prasarana Group*

Mr. Jahari currently spearheads the Land and Asset Management function in Prasarana Group. He manages a team of multi discipline engineers and professionals to provide an efficient Land Administration & Acquisition, Railway Protection Zone and Development Control as well as Asset Management Services within the Prasarana Group.

Mr Jahari has over 20 years' experience in the public transportation industry supporting the company in terms of managing operational Rail and Bus infrastructure asset and facilities. He has been in the current task since 2017 in which he takes a lead to ensure proper management, maintenance, best and optimum use for business operation with systematic, efficient and cost-effective approach along with the highest KPI towards achieving world class infrastructure standard. Prior to that he was the head of Facilities Maintenance and Administration Department responsible for the operation and management of buildings, infrastructures, facilities and office support equipment coverings LRT/Monorail stations, administration and depot buildings, underground tunnels, piers & guideway, bus depots complexes & hubs under rail and bus business units.

Mr Jahari holds a Master in Facilities and Asset Management from University Technology Malaysia and a Bachelor of Science Degree in Property/Building Management from University of Bedfordshire, United Kingdom. He is a Chartered Property Surveyor, a member of Royal Institute of Surveyor Malaysia (RISM), Malaysian Institute of Property and Facility Managers (MIPFM), Malaysia Association of Facility Manager (MAFM) and PERTAMA – Land Professional Organization of Malaysia.

## Intake Scheme and Programme Fees

For details, please click [here](#) to download the registration form.

## Programme Enquiry

Please contact Ms. Ng at [slng@mtr.com.hk](mailto:slng@mtr.com.hk) or call +852 2520 3453.

