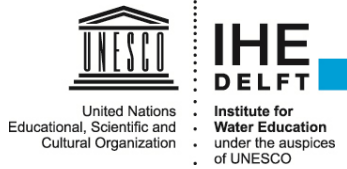


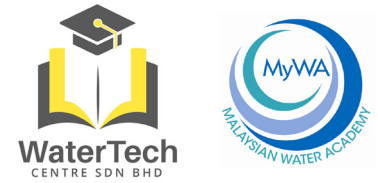
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# WATER INFRASTRUCTURE ASSET MANAGEMENT



Water will be one of the most important issues of the 21st century. Water scarcity is a major challenge of this day and age. How should water be managed in particular Malaysia which is facing serious water challenges? The government shows an increasing demand for developing and implementing policies to deal with the limited amounts of raw and treated water resources in Malaysia. This implies effective and efficient water management, access to safe drinking water and sustainable development of the economic sectors.

## LEARNING OBJECTIVES

Upon completing this training, the participants should be able to:

- Explain why expertise on asset management is beneficial for water engineers, managers and other experts.
- Argue that asset management as a subject, while initially developed in the countries like the UK, Canada, Australia and the USA, it is even more relevant to the developing countries.
- List and explain the essential components of an asset management plan.
- Explain how risk-based decisions can be made in a given water utility/system.
- Demonstrate how significant assessment is performed for an asset system under a simple failure criterion.
- Develop a simple asset management framework for a water utility/system.



## PROGRAMME

**DATE:** 31st October 2018 – 1st November 2018

**VENUE:** Pullman Hotel Bangsar, Kuala Lumpur.

**FEE:** RM6,000

**5%  
DISCOUNT**

Register by 15th October 2018

MWA members

**SBL KHAS  
CLAIMABLE**

**Assela Pathirana PHD, MSC.**

Associate Professor,  
Integrated Urban Water Cycle Management, IHE Delft Institute for Water Education, The Netherlands.

## TRAINING METHODOLOGY

Highly interactive lectures

Workshop on risk-based decision making

In-depth Case Studies

## WHO IS IT FOR?

1. **Private Sector:** Private water operators and other stake holders.
2. **Universities** and research institutes active in water or related sectors.
3. **Public sector:** Ministries, municipalities, public water operators, river basin organisations and local/regional water authorities.
4. **Non-profit organisations** working in the field of water.

## OUR PARTNER

IHE Delft Institute for Water Education is the **largest international graduate water education facility in the world** and is based in Delft, the Netherlands. Delft is a world-renowned knowledge centre on water infrastructure, technology and sciences, and attracts high-level students and scientists from around the globe. IHE Delft signed a partnership agreement with UNESCO and cooperate closely with the UNESCO Secretariat, the Science Sector and the International Hydrological Programme (IHP), and the Institute will remain a flagship institute in the UNESCO Water Family.

## Water Infrastructure Asset Management

Gain a broad overview of the principals of asset management and learn to creatively apply asset management to different (water) infrastructure systems. The funds for managing infrastructure is always limited both in developing and developed country context. Investments need to be prioritised. The heart of the IAM is therefore, so-called 'risk-based decision making' which helps the asset owner/manager to wisely allocate limited funding in the most effective way. After covering the concepts, we discuss a case study from water supply network rehabilitation with the support of a risk-based analysis tool we developed to demonstrate this in a workshop setting.

## ABOUT US

**WaterTech Centre Sdn. Bhd. (WaterTech)** is a licensed training provider under the banner of Human Resource Development Fund (HRDF). WaterTech has been incorporated in October 2016 to provide superior, efficient, effective and customised training packages on water education studies due to our close affiliation with our sister company Engineering Protocol Sdn. Bhd. which is a water specialist company. We collaborate with overseas established skilled training providers to provide training to upskill and develop talents on the above said specific area.

WaterTech provides organisations and individuals with a complete and comprehensive suite of training offerings and modalities and blended learning solutions.

**Malaysian Water Academy Sdn Bhd ("MyWA")** was officially launched by the former Minister of Energy, Green Technology and Water ("KeTTHA") on 7 April 2010 during Asia Water Conference 2010 at the Kuala Lumpur Convention Center. MyWA currently is the key player that offers wide range of water and wastewater related training. MyWA has several prominent partners that provide facilities for the excellent hands on training to fulfil the competency skill requirement.

## CONTACT US

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