

WORKSHOP ON DIGITAL  
TRANSFORMATION OF WATER UTILITIES  
IN SARAWAK

Date: 17<sup>TH</sup> & 18<sup>TH</sup> June 2019

Venue: Olympia 2, Lobby Level, Pullman Hotel, Kuching

Registration fee:

RM300/pax (MWA Member)

RM350/pax (non-Member)

SEATS ARE LIMITED. REGISTER NOW!

**BEM CPD HOURS APPLIED / HRDF CLAIMABLE**

PERSATUAN AIR MALAYSIA (THE MALAYSIAN WATER ASSOCIATION):  
NEGERI SARAWAK

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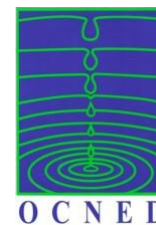
Farah Liyana Yusman (03-62011457)

**THE MALAYSIAN WATER ASSOCIATION SARAWAK  
BRANCH AND MALAYSIAN WATER ACADEMY**



**SARAWAK BRANCH**

SUPPORTED BY:



**ONWater kamstrup NIRAS** Expect... **AVR**



**AVEVA**

## Digital Transformation for Water Utilities Operators in Sarawak

*Accelerated by global mega-trends such as climatic changes and migration from rural to urban areas, the issue of water security is more challenging than ever.*

*For the Malaysian Water Industry to face and engage successfully on central tasks ahead, it is essential to have the right tools for the right job. Whether it is establishment of a baseline, decrease of NRW or avoidance of water scarcity in prolonged dry seasons, the tools aim to minimize gaps of technologies, solutions and procedures.*

*Capacity building is important during the coming years. It facilitates implementation of new approaches and technologies, which again is required to ensure the correct data are available to decide on the most efficient solution.*

*The Digital Transformation for Water Utilities Operators will imply data is acquired online from sensors in the distribution network and with minimum delay are made available through SCADA and Command Center systems.*

*This Digital transformation will make it possible for the operators to act efficiently, not only on a daily operational basis, but also to do long-term strategic planning, including sound asset management and capacity building of the entire organization.*

**WORKSHOP ON DIGITAL TRANSFORMATION FOR WATER UTILITIES OPERATORS IN SARAWAK**  
– DAY 1 (BY AVEVA and Partners)      17<sup>th</sup> June 2019, Monday

**Registration || Introduction || Demonstration of Software by AVEVA and Partners**

- 08:15**      Registration | Network | To be seated in the workshop Room
- 08:40**      Program Overview
- 08:45**      Welcome Address by AVEVA
- 09:00**      Digital Transformation in the Water Utilities (AVEVA)  
*Achieve operational excellence and digitally transform your operations.*
- 10:00**      Opening Ceremony
- Welcome Speech by Organizer, Ir. Chang Kuet Shian, Director of Jabatan Bekalan Air Luar Bandar & Chairman of Malaysian Water Association (MWA) Sarawak Branch
- Speech by The Honourable Datuk Liwan Lagang, Assistant Minister for Water Supply
- 10:30**      **TEA COFFEE BREAK**
- 11:00**      Digital Transformation in the Water Utilities (AVEVA)
- 12:15**      Q&A | Discussion | Wrap-up of Pre-Lunch Session
- 12:30**      **LUNCH**
- 13:30**      Welcome Back
- 13:45**      **Group Discussions**  
*Topic 1: How the emerging technologies will drive changes in your organization*  
*Topic 2: The challenge faced by water utilities today*
- 15:00**      **TEA COFFEE BREAK**
- 15:30**      Panellist to present outcome of discussion
- 16:00**      Overall wrap-up of workshop and closing remark
- 16:30**      Close

**WORKSHOP ON DIGITAL TRANSFORMATION FOR WATER UTILITIES OPERATORS IN SARAWAK  
– DAY 2 (BY NIRAS/OCNED/AVK/KAMSTRUP) 18<sup>th</sup> June 2019, Tuesday**

**Registration || Introduction || Actual Services Performed**

- 08:15** Registration | Network | To be seated in the workshop Room  
**08:45** Program Overview  
~ Introduction of present Leakman Partners (AVEVA, AVK, KAMSTRUP and NIRAS including local partners (OCNED, ONWATER)
- 9:00** Sustainable Water Resources Management  
*Dato' Ir. Lim Chow Hock, SPAN Commissioner*
- 10:00** Q&A | Discussion  
**10:15** **TEA COFFEE BREAK**  
**10:45** LEAKman. How to efficiently address Non-Revenue Water challenges in a holistic and sustainable way.  
*Mr. Omar Christian Thomsen, Director International Water, NIRAS.*
- 11:15** Emphasizing Quality towards Sustainable Water Management  
*Mr. S.Lingeshwaran, Product Manager, AVK Valves Manufacturing Malaysia Sdn. Bhd*
- 11:40** Digital Metering Solution improving Water Utility efficiency  
*Mr. Mikael Hansen, Head of Distribution Sales EMEA and Asia, Water Division, KAMSTRUP A/S – Skanderborg*
- 12:15** Q&A | Discussion | Wrap-up of Morning Session
- 12:30** **LUNCH**  
**14:00** Welcome Back  
How to establish baseline for Non-Revenue Water, introducing & Using Hydraulic Modelling as Planning & Operation Tool  
*Mr. Romeo Roger, Head of NRW, OCNED Water Technology Sdn. Bhd.*
- 14:45** Background introduction of the Danish framework managing groundwater as the source for drinking water.  
*Mr. Omar Christian Thomsen, Director International Water, NIRAS.*
- 15:00** **TEA COFFEE BREAK**  
**15:15** How to assess and abstract groundwater as an additional resource for drinking water in Malaysia.  
*Mr. Omar Christian Thomsen, Director International Water, NIRAS |  
Mr. Dennis Tan, Managing Director of OCNED Water Technology Sdn. Bhd.*
- 15:45** Overall wrap-up of workshop closing  
**16:30** Close