

Our Programmes

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LEVEL 1-3: SCADA SYSTEMS & RISK MANAGEMENT TRAINING & WORKSHOP

SCADA systems & Risk Management training for the Water Industry in Malaysia is an introductory course. This strengthens the foundation of any formal qualification and enables professional development. This interactive workshop style delivery will facilitate professional development, enhance knowledge and technical skills in SCADA systems. This program paves the way forward for the participants to prepare for specific SCADA systems jobs whilst in employment. It also allows participants to specialise laterally and progress towards advanced levels of study.

MASTER PLANNING OF PIPE NETWORKS & WATER NETWORKS HYDRAULICS

Choosing to commission a water distribution system means a huge investment with far-reaching implications for the development of the area that will be covered by the network. To avoid major mistakes, starting with a good plan is a meaningful preparatory step before the detailed design considerations take place. Strategy, feasibility, costs and timescales are major concerns to be addressed in any master plan.

The course gives an overview of the basic elements of planning, design, operation and maintenance of water transport and distribution systems. The focus is on understanding hydraulic operation of these systems.

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 Infrastructure Asset Management 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.

HYDROPOWER

Water quality can be influenced by naturally occurring events such as floods and droughts. Human activities, including industrialisation, waste water management, farming and urban development and changing climate; introduce environmental stress factors. Harmful impacts to water quality and aquatic ecosystems can also occur due to cumulative effects; which over time can impact on resilience and risk of degradation of the system. Hence an integrated framework with a multiprong approach to improve & deliver water quality improvement activities is essential.

Understanding quality and benchmarking these factors would help measure and restore quality in water management; achieving sustainable water resource objectives.

TOTAL QUALITY MANAGEMENT TRAINING &

WORKSHOP

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