

About the Trainer



Mr Prakash Muthuswamy has over three decades of India and International experience in Instrumentation, Automation Systems, Project and Construction Management (EPC and DBO projects) including supervision of consultants and contractors, in terms of safety, technical and financial aspects. Experienced in Water & Wastewater, Petrochemical, Oil & Gas, and Power Sectors, particularly on state-of-the art RO Desalination Plants for potable water and MBR Plants for wastewater treatment.

He is a specialist in developing strategies for sustainable energy efficient Asset Management in the water industry. Mr Muthuswamy is experienced in Master Planning & Development of systems such as Smart Utilities, SCADA & CMMS to meet the business process needs. Testing and commissioning management for Process Plants, Pump Stations and Buildings infrastructure and identification of potential improvement areas. Experienced in preparing Performance Based Contracts (PBC) managed using Key Performance Indicators (KPI) for Asset Management. He also has experience in infrastructure construction contracts management.

As Managing Partner of Automation & Maintenance Management Systems, projects are ongoing including high accuracy bulk water metering for the city of Mumbai, complete water network monitoring and on-line NRW assessment, for Trissur in Kerala. One of India's biggest pipe flow meters, installed in 6000 mm diameter pipe. Performed water audits for over 50 towns under Amrut and Aided projects. Sewer flow studies in Agra, Patiala, Varanasi and other towns.

Training Agenda

Day 1: 29 th Jan '21: Raw/Potable Water			
1	Water networks: Metering technologies, monitoring, NRW assessments, data acquisition and remote control. Key considerations for irrigation systems. Installation and maintenance aspects. Budget considerations.	1.5 hours	Emerging, state-of-the-art technologies and solutions. Insights on innovative, cost effective installation practices and strategies to save project costs and time. Maintenance best practices.
2	Water Treatment Plants: Metering technologies, automation strategies, monitoring and data acquisition. Budget considerations.	0.5 hour	
3	Panel discussion, Q&A session	1 hour	
Day 2: 30 th Jan '21: Wastewater			
1	Wastewater Networks: Metering technologies, sewer systems monitoring, automation strategies for wastewater pump stations, data acquisition and remote control. Installation and maintenance aspects. Budget considerations.	1 hour	Emerging, state-of-the-art technologies and solutions. Insights on innovative, cost effective installation practices and strategies to save project costs and time. Maintenance best practices.
2	Wastewater Treatment Plants: Metering technologies, automation strategies, energy efficiency, monitoring and data acquisition. Budget considerations.	1 hour	
3	Panel discussion, Q&A session	1 hour	