

Speaker Profile

Ir. Ts. Dr. Nurul Sa'dah Binti Bahar is the Vice President of the Production Department at Pengurusan Air Selangor Sdn Bhd.

Her primary role is to oversee strategic operations for water treatment plant (WTP) processes, residual and effluent management, as well as asset improvement for 34 water treatment plants under Air Selangor.

She is a civil engineer by profession with over 15 years of experience in project management, operations management, and sustainability, particularly in water demand management, energy efficiency, and green building rating tools.

Ir. Ts. Dr. Nurul Sa'dah Binti Bahar holds a Bachelor of Civil Engineering (Hons) and a Master of Civil Engineering from Universiti Tenaga Nasional (UNITEN). She then pursued and completed her PhD in water demand management at Universiti Teknologi Malaysia (UTM).

She is a registered professional engineer with the Board of Engineers Malaysia (BEM) and a professional technologist registered with the Malaysia Board of Technologists (MBOT).

She began her career in the public sector at the Public Works Department Malaysia (JKR), where she was involved in construction management for hospital projects in the eastern region of Peninsular Malaysia. She also led the implementation of green rating tools emphasizing infrastructure sustainability. Additionally, she served at Jabatan Pengurusan Sisa Pepejal Negara, KPKT, overseeing landfill construction and operations in the northern region of Peninsular Malaysia.

Ir. Ts. Dr. Nurul Sa'dah Binti Bahar has contributed to various task forces and committees focused on sustainable development, including water, energy, and green infrastructure, at both ministerial and national levels. She has also published journals, articles, presentations, and technical papers in her field of expertise.

Driven by her passion for sustainability and the protection of precious environmental resources, she actively advocates for innovative and sustainable solutions in the water industry. She continues to play a crucial role in shaping policies and strategies that promote efficient water management and environmental stewardship, ensuring a sustainable future for generations to come.