

SITE VISIT TO TUASONE WASTE TO ENERGY (WTE) PLANT

SCEM PDU & PDUs for PE & CEng (to be approved and confirmed)



Synopsis

The TuasOne Waste to Energy Plant was established by MHI-AP in December 2021 and taken over by MHIEC Eco Creation Singapore Pte Ltd, an O&M business SPC. The TuasOne Waste to Energy Plant is Singapore's sixth waste-to-energy (WTE) plant can incinerate 3,600 tonnes of waste and generate 120 megawatts of electricity daily. The electricity produced is sufficient to power about 240,000 HDB flats.

Participants joining this site visit will be able to gain a better understanding on the solid waste management system in Singapore and tour around the plant to understand more on the treating process of transforming these collected waste into energy sources such as electrical energy that are then generated for use.

DATE 6 APRIL 2023 THURSDAY
TIME 2 PM - 4 PM
VENUE 94 TUAS SOUTH AVE
3 SINGAPORE 636928



Fees

IES Members - \$21.60
Non Members - \$43.20

**Fees indicated above includes prevailing GST*

PRESENTER

Mr K.A.Shanmugam
Plant Manager

TuasOne Waste to Energy (WTE) Plant

Mr K.A.Shanmugam joined MHI-AP since Oct 2021 during commissioning of the TuasOne WTE plant as a Plant Manager. He has contributed to the setup of the national team for operation, implement SOP, PTW system and conducted training based on the regulatory requirement. Previously, he worked in Sembcorp Utilities in Jurong Island as a Plant Manager.

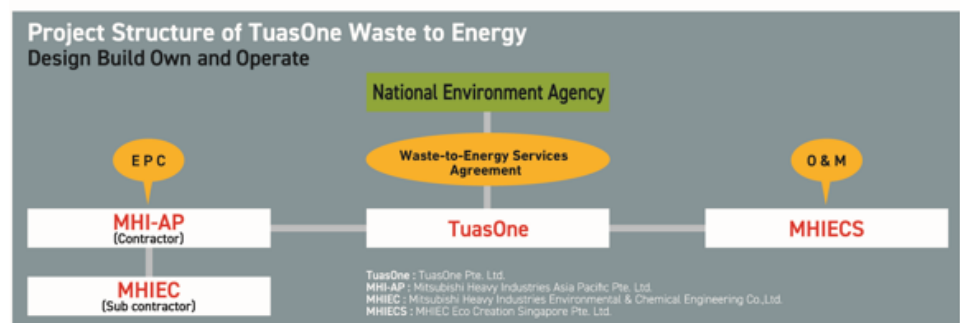
In September 1992, Mr K.A.Shanmugam started his career as an operation Technician in Madras Fertilizers Ltd, Chennai and joined Sembcorp in September 2001 as a Senior Technician and grew his with the Company as a Plant Manager upon leaving the Company in September 2021.

He also possesses a Master Degree in Chemistry, Singapore Certified Energy Manager, Steam Engineer Class 2 and contributed as an Energy Manager to Sembcorp/ TuasOne WTE Plant, possessing Steam Engineer Grade 2, Water Efficiency Manager, ISO Internal auditor.



MHI-AP completed construction of TuasOne Waste to Energy Plant in December 2021, and provided operations and maintenance (O&M) services for the facility under the project structure of Design Build Own and Operate (DBOO). Since July 2022, this O&M business has been taken over by MHIEC Eco Creation Singapore Pte. Ltd., an O&M business SPC, newly established by MHIEC in Singapore.

This project is the first time for the MHI Group to provide a fully integrated solution, from investment to construction, operations and maintenance, for a WTE facility outside Japan.



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