



SAFETY IS OUR 1st PRIORITY

ABOUT US

MAEH is a premier solutions provider of industrial chemical waste management services in Singapore.

We deliver safe and proper total waste management solutions that are in compliance with local, as well as international standards.



A member of **DOWA**



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**A RIGHT
CHOICE FOR
TOXIC INDUSTRIAL WASTE**

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KOSAKA is the origin of DOWA. KOSAKA is located in the northern part of Japan (TOHOKU area).



DOWA was started as a mining company. In order to treat Complex Ore (Black Ore), DOWA invested in smelting technologies.



KOSAKA Mining was a leading Non-ferrous Mine in Japan.



DOWA Office of Mining Business in the old days in KOSAKA.



Current DOWA Head Office in Tokyo. Our environmental business is the biggest within the 5 business entities.



Eco System Chiba is the biggest incinerator near Tokyo in Japan. DOWA owns many Environmental Technologies which contributes to society.



Green Fill Kosaka is the biggest landfill, which is located in north Japan, near Kosaka.



factory



DOWA has developed environmental businesses in Asia. PPLI is a landfill



BPEC is an Incinerator in Thailand.



GEM is a landfill in Myanmar.



In Singapore, Technochem was founded in 1982 as an incineration company.



Vertical Stoker, an incinerator in Singapore, is first of its kind in South East Asia.



MAEH in 2019 - an amalgamation of Toxic Industrial Waste Treatment and Precious Metal Recycling Process.

Our Services

MAEH offers the highest quality services for the collection, transportation, treatment, incineration, disposal and recycling of toxic industrial wastes and other materials. It is important that a high standard is maintained throughout the entire waste management procedure in order to minimise the impact on our environment. Good waste management solutions result in cleaner and healthier environments, improved living conditions and sustainable business models.

Waste Collection

Our waste collection services incorporate the highest quality checks and are entirely compliant with the necessary regulations and are supported by our highly efficient Collection and Transportation Support Team to ensure that your waste is collected in a proper and safe manner.

Waste Incineration

Incineration is used mainly in the treatment of hazardous organic liquid and solid wastes, which cannot be economically treated via other methods. MAEH has an on-site rotary kiln incinerator manufactured by ABB/Alstom that is regularly maintained to ensure optimum safety and operation standards and MAEH installed the first Vertical Stocker in Year 2017 for solid hazardous waste including pharmaceutical and chemical waste.

Biological Wastewater Treatment

This kind of wastewater treatment is generally done using efficiently designed Sequencing Batch Reactors to allow industrial effluents to be disposed of without endangering human health or causing unacceptable damage to the natural environment. MAEH's wastewater treatment consists of a combination of physical, chemical, and biological processes to remove solids, organic matter and sometimes, nutrients from wastewater, until the accepted regulation parameters are met.

Physical Chemical Treatment

Current methods for the treatment of inorganic liquid wastes are being used in MAEH. Each process is customised to match the different characteristics of the waste, which include corrosive, reactive, and oxidising substances, or a combination of these. MAEH also recovers metal hydroxides from spent etchant wastes.

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Solidification and Stabilisation

Solidification and stabilisation is a widely used treatment for the management or disposal of a broad range of contaminated medias and wastes, particularly those contaminated with substances classified as hazardous. This treatment involves mixing a binding reagent into the contaminated media or waste, and is an important step in protecting human health and the environment by immobilising contaminants within the treated material. Solidification and stabilisation is a pre-treatment process prior to sending the waste for incineration or to be placed in modern eco-landfills.

Laboratory and R&D Facilities

MAEH has its onsite fully equipped laboratory that supports the facility by conducting routine and non-routine analysis in a timely, professional manner. Physical and chemical analyses performed in the laboratory include fingerprint tests on all incoming wastes, wastewater parameters, solvents, oils and solids analysis of all types of waste.

Precious Metal Refining

MAEH works in collaboration with Recycling Factory in precious metal recoveries and refinings. Some of these include the recovery of gold, silver, copper, nickel and palladium.

