

## MACAO HAZARDOUS WASTE TREATMENT PLANT (operation and maintenance)



**Client / Employer** Government of the Macao Special Administrative Region  
Environmental Protection Bureau

**Service** Provision of Operation and Maintenance Services by SINOGAL, LDA.  
(company share held by CONSULASIA, LDA)

**Contract Price** MOP 29,000,000

**Time Schedule** April 2010 to March 2013

**Description of the Project** Commissioned in 2008, the Macao hazardous Waste Treatment Plant ("MHWTP") is designed and constructed to cater the needs of disposing hazardous waste such as hospital waste, and cadaver of dogs and horses.

Pursuing to a Public Tender, the Macao Government awarded to the JV formed by SINOGAL, a Macao company dedicated to the Waste Management, and the Taiwanese company SESC - Sino Environmental Services Corporation, leaders on environmental protection in Taiwan, the Contract to provide the Operation and Maintenance Services for the next three years, starting on 16th April 2010.

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### Description of the Project (cont.)

SINOGAL, shared by CONSULASIA and CONSULGAL, holds 70% of the JV. The JV is bound to perform the O&M services with a vision of improving operational procedures, the reduction of waste treatment expenses, and to search for possible alternative solutions to solve the high expenses of fuel oil consumption in order to meet the needs and expectations of Macao SAR and harnessing the environment protection.

The main activities covered by this contract includes: special and hazardous waste receiving, waste temporary storage, solidification process operation, slag and solidified product landfill disposal, emission monitoring, equipment and parts procurement, safety and hygiene, emergency response plan, and the control of the operational performance.