

THE MACAO INTERNATIONAL AIRPORT WASTEWATER TREATMENT PLANT (supervision of the construction)



Client / Employer Government of the Macao Special Administrative Region
 Infrastructure Development Office

Service Supervision of the Construction by CONSULASIA, Lda.

Investment Approx. MOP 50 Million

Contract Price MOP 2,100,000

Time Schedule April 2003 to February 2005

Description of the Project Since the commencement of operation of the Macao International Airport in 1995 there were no waste water treatments process conducted prior to disposal on public sewage system.

Nevertheless, after the realization that industrial wastewater contains a diversity of impurities and therefore, for this reason alone, its treatment constitutes a special task. Furthermore, the emission limits for industrial effluent are constantly being tightened up. Closed circuits and product recovery in various production processes are becoming an increasing priority among Airports. These measures represent an additional contribution to the protection of aquatic eco-systems and possess great cost-cutting potential.



For this reason, a waste water treatment system was proposed by the Macao government and CONSULASIA, as being one of the most reputable Supervision service provider, was awarded the management and supervision of its construction. Beginning from ground excavation up to the completion of Testing and Commissioning of all the plant's equipment. With a vision of improving future operational procedures of the plant in order to meet the needs and expectations of Macao and harnessing the protection its environment.

The plant's daily operation can handle approximately 10,000 m³/d of wastewater using the traditional waste water treatment technologies which was achieved and started its operation on the first quarter of 2005.