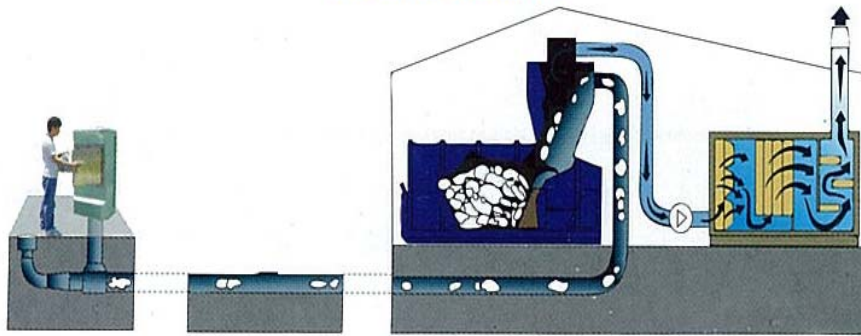


MACAO AUTOMATIC WASTE COLLECTION SYSTEM (design and build the pilot project)

系統簡介 System Overview



Client / Employer Government of the Macao Special Administrative Region
 Infrastructure Development Office
 (CSR Macau - Companhia de Sistemas de Resíduos, Lda)

Service Design and Build Project by CONSULASIA, LDA.

Investment Approx. MOP121 Million

Contract Price MOP 28,600,000

Time Schedule April 2006 to June 2008

Description of the Project The collection of municipal solid waste in Macao is performed to a high standard. Waste is containerized and removed every day by modern, special-purpose vehicles. A separate service for the collection of bulky waste is also provided every day. For those materials which are unwanted but which have market value, there is a well-developed network of buyers and recycling activities which contributes significantly to waste reduction.

Although wastes are collected daily and regularly, the collection schedule cannot coincide exactly with the time at which residents and retailers actually place waste outside their premises. Hence, there is the need for containers to provide temporary storage capacity.

The practices of residents, retailers and employees of property management companies in depositing their wastes have been determined by the availability of empty containers. Unfortunately, empty containers cannot always be available.

If there is an exceptional event which has generated an unusually large amount of waste, special coordination and rearrangement of the routine collection service will be required. Such rearrangement takes time and effort.

Approximately 48-54 tones of waste will be collected by the entire system each day.

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Description of the Project (cont.)

Benefits and ease of use for this Pilot project of Automated Waste collection will benefit all the residents in this particular area:



- _ Improved urban environment
- _ Eliminate kerb-side waste containers
- _ Waste transported underground will improve the visual aspect
- _ Convenience, be means of its availability 24 hours a day, 365 days a year
- _ Disposal inlets will be located close to buildings
- _ Precious street space will be available for parking and traffic flow
- _ Sustainable waste handling with a design lifetime of 25 years

STEP 1



STEP 2



固體垃圾自動收集系統運作流程 Waste Collection Process

