



Kompleks Perdana Putra (Prime Minister's Office) - part of Putrajaya Precinct 1



Putrajaya under construction with an Ecosol RSF 4600 unit in the foreground ready for installation.



An Ecosol RSF 4600 unit being cleaned at Putrajaya. Over 2.5 tonnes of pollutants were removed.

FOR FURTHER INFORMATION

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Ecosol™

WASTEWATER FILTRATION SYSTEMS

“state-of-the-art urban drainage design, with innovative and new treatment systems, set the benchmark for reducing stormwater pollution”

Two years ago, Ecosol, with help from Austrade, expanded its largely-Australian based operations into Malaysia having identified the huge potential of that market. In November 2002, the group won a major contract for the supply of 82 of its award-winning **RSF 4000** in/end-of-line gross pollutant traps for a key precinct in the new central hub at Putrajaya being built to house the country's government departments.

The size of the project is extraordinary. The aim was simple: an innovative urban design with a key focus on developing a uniquely environmental city, surrounded by a man-made lake that is fed by many stormwater outfalls from the city and other catchment areas. To ensure the lake is maintained in pristine condition, Putrajaya Holdings, responsible for the project, identified the need to incorporate new and improved stormwater treatment techniques.

The goal was to overcome some of the inherent problems with old trash rack designs and to ensure the project set the benchmark for all future developments in Malaysia. Ecosol's CEO, Andrew Macklin, said "This was a project we were proud to be part of and we had our first unit installed within six months of establishing operations in Malaysia"

Together, under maximum catchment pollutant loading, Ecosol's **RSF 4000** units are capable of filtering and retaining more than 270 tonnes of pollutants and up to 212,000 litres of free oils and grease conveyed by stormwater flows each rain event. Over a twelve-month period, it is expected that each unit will be cleaned approximately four times and in total more than 880 tonnes of gross pollutants including litter, vegetation, oil, silt, and sediment will be prevented from entering the lake and surrounding receiving waterways.

This project provided Ecosol with many challenges in meeting the needs of its client, including the establishment of local manufacturing facilities and a very tight delivery schedule for product delivery.

With more than seven years of stormwater industry experience, Ecosol, in collaboration with locally-based Tai Hoe Resources Sdn Bhd, had the combined experience and industry knowledge to make the project a huge success. Mr Macklin acknowledged Austrade's help in breaking into the Malaysian market saying "Austrade was able to open doors that we could not even get to knock on!"

Ecosol has now established Kuala Lumpur as its Asian regional office and is looking to expand further by selling its products and services throughout the region. "Expanding into new international market is daunting but with help from key resources such as Austrade it is achievable" said Mr Macklin. "We plan to be a significant global participant in the rapidly-expanding environmental market"

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