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Malakoff advances sustainable waste management with Sungai Udang WTE

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MALAKOFF Corp Bhd through its subsidiary, Sungai Udang WTE Sdn Bhd (formerly known as Southern Biogas Sdn Bhd) has entered a concession agreement (CA) on a public-private partnership basis with the Housing and Local Government Ministry (KPKT) and Solid Waste and Public Cleansing Management Corp (SWCorp).

The CA is for the design, construction, finance, operation, maintenance and closure of a waste-to-energy (WTE) facility at Sungai Udang, Melaka.

Sungai Udang WTE is a single purpose joint venture (JV) company incorporated for the project with Malakoff holding 60% of the shares, and the remaining 40% held by Alam Flora Environmental Solutions Sdn Bhd (AFES).

AFES is a wholly owned subsidiary of Alam Flora Sdn Bhd, which is in turn, 97.37% owned by Malakoff.

The signing ceremony, held at KPKT, was witnessed by Minister Nga Kor Ming and attended by over 80 guests, including representatives from key government agencies.

The CA was signed by KPKT secretary general Datuk M Noor Azman Taib, SWCorp chairman Hee Loy Sian and Sungai Udang WTE director Anwar Syahrin Abdul



(Sitting from left) Hee, M Noor Azman and Anwar Syahrin during the signing of CA. Also present are Nga (standing, third from left) and Malakoff non-executive chairman Tan Sri Che Khalib Mohamad Noh (standing, third from right)

Ajib, who is also Malakoff MD and group CEO.

The WTE facility will process up to 1,056 tonnes of municipal solid waste per day and generate approximately 22 megawatts (MW) of gross renewable energy (RE) under a power purchase agreement to be entered into by Tenaga Nasional Bhd (TNB) and Sungai Udang WTE.

Anwar Syahrin noted that this project marks a significant milestone for both Malakoff and AFES, demonstrating the strength of

strategic execution in advancing sustainable development through long-term infrastructure solutions.

"Notably, this facility will address Melaka's urgent waste management needs as the state's only sanitary landfill nears capacity," he said in a statement.

By diverting over 300,000 tonnes of waste from landfills annually, the plant is expected to eliminate 75,000 tonnes of CO2 emissions, which is equivalent to preserving more than 3.4 million trees and

preventing 23,000 cu m of leachate from polluting local waterways. Malakoff currently manages 3,649 tonnes of waste per day.

"With this project expected to add another 1,056 tonnes daily, we will have the capacity to manage up to 6,206 tonnes per day based on our existing contracts, concession agreements and available assets.

"Built on a 3.96ha land, this WTE facility exemplifies how smart engineering can deliver environmental impact while

optimising land use," he added.

Aligned with the National Circular Economy Policy and the National Energy Transition Roadmap (NETR), the project supports Malaysia's goal of achieving carbon neutrality by 2050.

It enhances national energy security by diversifying the country's energy mix, reducing dependence on imported fossil fuels and conventional thermal power generation, and tapping into domestic waste as an RE source.

This milestone also reflects Malakoff's commitment to managing 10,000 tonnes of waste per day by 2031 through innovative, integrated and sustainable strategies.

It supports the aspirations of Malakoff's business pillar, Malakoff Environmental Solutions, for environmental management and services, to deliver impactful solutions that benefit both communities and the planet.

In line with the United Nations Sustainable Development Goal No 11, which aims to make cities and human settlements inclusive, safe, resilient and sustainable, the project further reinforces Malakoff's overarching purpose of "Enhancing Life, Enriching Communities". — TMR