Company: Wasco Greenergy Berhad

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Wasco Greenergy installs one of Malaysia's largest biomass steam systems

KUALA LUMPUR: Wasco Greenergy Bhd has installed and commissioned one of Malaysia's largest biomass steam energy systems at a paper manufacturing facility in Kajang, Selangor.

The company said the project supports the industry's transition towards more efficient and sustainable energy solutions.

Designed and manufactured by subsidiary Wasco Thermal Sdn Bhd, the system is built for high-efficiency power generation at scale.

Fuelled mainly by treated empty fruit bunches, the system is designed to achieve a utilisation rate of more than 80 per cent, reducing reliance on conventional fuels and the national grid.

Wasco Greenergy said the system uses a cogeneration setup to produce both renewable electricity and steam energy, improving efficiency and operational reliability.

The automated system is also designed to maintain consistent performance under varying operating conditions at the paper mill.

The company said the system is expected to generate up to 500,000 megawatt-hours of renewable thermal energy annually.

This helps to reduce carbon dioxide emissions and improve long-term energy planning and operational efficiency.

It added that the project could also create opportunities for carbon credit generation, supporting low-carbon industrial operations.

Chief executive officer Lee Yee Chong said the project proves that large-scale biomass energy is not just environmentally sound, but also commercially compelling.

"By empowering industries to convert agricultural waste into a reliable energy source, we are supporting Malaysia's ambitions under the National Energy Transition Roadmap and aligning with the objectives of the National Biomass Action Plan," he said in a statement.

Through its engineering, procurement, construction, and commissioning services and innovative build-own-operate models, Wasco Greenergy provides industrial clients with flexible pathways to adopt renewable energy.

The project has contributed to the company's financial performance for the past two years.