

Biomass Gasification Plant



ENERGY FROM BIOMASS IN A NEW PARTNERSHIP

EnBio Holdings, Inc., a traded company on the Tokyo Stock Exchange has signed an agreement with a regional gasification leader, Renewables Plus Sdn Bhd, to build biomass gasification plants.

Japanese investment in Malaysia's gasification leader is spurring regional growth in biomass conversion to clean energy.

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Whether its wood chips, empty oil palm fruit bunches, rice husks or even chicken manure, billions of tons of biomass waste have to be disposed of somehow – usually at a cost – every year. Until now, the various ways of doing this have often been polluting and hardly any, if at all, have been cost-effective.

Now, EnBio Holdings, Inc., a traded company on the Tokyo Stock Exchange has signed an agreement with a regional gasification leader, Renewables Plus Sdn Bhd (R⁺), to build biomass gasification plants using R⁺'s Blue Flame™ system. The deal has been sealed to form a renewable energy investment company, Carbon & Volts Sdn Bhd, with an initial capital of USD900,000 (RM3.6 million). The new company will co-invest in biomass gasification plants initially in Thailand, Turkey and Malaysia.

In Thailand, the Blue Flame™ system already powers Southeast Asia's largest single gasifier using napier grass that is grown as an energy crop, as well as being the first system of its kind to use rubber tree roots to generate power. The process converts biomass into a clean renewable fuel gas that is converted to renewable energy. In Turkey, Blue Flame™ does the same thing with waste chicken manure.

In all these cases, a fuel gas is not the only product. Biochar is also generated, adding to the gasifiers' role in generating renewable fuel by sequestering carbon as a commercially valuable product.

"We are delighted with our partnership with EnBio and we thank our agent, Trunk Busters Japan, for helping to bring this about," says Mr Arman Massoumi, Managing Director of R⁺. "We are looking forward to a period of healthy growth as our existing and new customers realize the returns that come from our technology."

"Now that we are working with EnBio, we can turn more biomass into profits for our clients, as well as reducing overall demand for mineral fuels by producing clean energy."

Dato' Dr Mikhaail Kavanagh, a board director of R⁺, points out that every biomass plant does its part for combating climate change by reducing the amount of carbon that is being released into the atmosphere.

He added that "The partnership between EnBio and R⁺ is offering its customers something that is as good for the planet as it is for the bottom line."



ABOUT R⁺

Renewables Plus Sdn Bhd (R⁺) is a leading Gasification Specialist Company with more than 20 years of experience in designing, building and operating gasification plants.



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