

1st Bio-LNG Plant in Indonesia to be Developed by Wärtsilä

Helsinki, Finland: Wärtsilä and two Indonesian partners have signed a joint development agreement with the intention of creating the first ever bio-LNG plant in Indonesia. The co-signers of the agreement with Wärtsilä are PT Pertamina (Persero), a national energy company, and PT Godang Tua Jaya (GTJ), a waste utilisation sector specialist company. Wärtsilä Oil & Gas Systems (WOGS) will conduct a feasibility study for the project to develop a mini bio-LNG plant with a capacity of 0,75 tons/hour, which corresponds to approximately 4 MW/hour in electrical production. The plant will process municipal solid waste into eco-friendly biogas for use as a renewable energy source for typical vehicle fuel. In addition to the feasibility study, WOGS will provide technological support and an economic assessment. This study represents a Front End Engineering Design (FEED) equivalent. If the project is deemed to be feasible then the parties are expected to enter into an Execution Agreement. An outstanding example of Wärtsilä's expertise in this field is the Wärtsilä biogas liquefaction plant in Oslo, Norway. The plant treats 50,000 tons of garbage per year, which produces enough fuel to run 135 buses.