



YANMAR

News Release

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Yanmar Holdings Co., Ltd.

Yanmar Delivers Methanation Gas Compatible Micro Cogeneration System to Tokyo Gas



Cogeneration system (right) with methanation equipment (center).

(November 16, 2022) Osaka, Japan – Yanmar Energy System Co., Ltd. a group company of Yanmar Holdings Co., Ltd. has delivered a 35kW output micro cogeneration system fueled by methanation gas (synthetic methane*) as part of a demonstration facility at the Yokohama Techno Station of Tokyo Gas Co. A demonstration test unit was delivered on September 14, 2022.

This unit achieves the same power generation output as the [CP35D2](#) gas cogeneration

system fueled by the municipal gas supply by modifying the fuel system components of the engine to match the lower calorific value of methanation gas compared to municipal gas. In addition, by maintaining engine combustion similar to that of municipal gas, the system meets the nitrogen oxide (NOx) emission standard concentrations stipulated in the "Yokohama City Ordinance Concerning the Preservation of the Living Environment". The unit is scheduled to be utilized for operational tests using methanation gas produced at the demonstration test facility.

The Yanmar Group is promoting the [YANMAR GREEN CHALLENGE 2050](#) to realize a decarbonized society. Going forward, YES will continue to develop technologies for decarbonized fuels and contribute to solving customers' energy issues and realizing a decarbonized society.



Methanation gas compatible micro cogeneration demonstration unit.

- ※ Methanation is a technology to synthesize methane, the main component of municipal gas, from hydrogen and carbon dioxide, and is expected to be a production method for decarbonized fuels.

About Yanmar

With beginnings in Osaka, Japan, in 1912, Yanmar was the first ever to succeed in making a compact diesel engine of a practical size in 1933. A pioneer in diesel engine technology,

Yanmar is a global innovator in a wide range of industrial equipment, from small and large engines, agricultural machinery and facilities, construction equipment, energy systems, marine, to machine tools, and components — Yanmar's global business operations span seven domains. On land, at sea, and in the city, Yanmar provides advanced solutions to the challenges customers face, towards realizing A Sustainable Future.

For more details, please visit the official website of Yanmar Holdings Co., Ltd.

<https://www.yanmar.com/global/about/>

Note: Information contained in the news release is valid at the time of publication and may differ from the most recently available information.

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