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Press Release

February 6th, 2023

DMG MORI to launch Japan's largest solar power system for self-use First batch (5,400 kW) started power generation on February 1, 2023

DMG MORI CO., LTD. (hereinafter referred to as "DMG MORI") will install a solar power generation system on the rooftops of Iga Campus (Mie Prefecture), the largest production base of the DMG MORI Group. Covering a roof area of 130,000 m^2 for a capacity of 13,400kW, it will be the largest solar power generation system for self-use ever built in Japan*1. The construction of the first batch of solar panels began in August 2022 and was completed as planned. The first batch has started generating power worth 5,400kW on February 1, 2023. The current panel size will generate 6 million kWh per year, which will cover approx. 13% of the annual power demand at Iga Campus.

The second batch of solar panels will be completed by next year and start providing 5,200 kW (5.2 MW) from February 2024. The third batch will start operation by December 2024 to generate additional 2,800 kW (2.8 MW) for a total of approx. 13,400 kW (13.4 MW). After the third batch, the complete solar power generation system will supply 14 million kWh (14,000 MWh) per year, which will cover approx. 30% of the annual power demand at Iga Campus.

The solar power generation system will be an on-site PPA*2 model provided by TESS Engineering Co., Ltd. (Yodogawa-ku, Osaka). All generated electricity will be used for self-consumption at Iga Campus, reducing the production site's CO_2 emissions by approx. 5,300 tons per year.
By installing solar power generation systems, DMG MORI can secure a stable power source for the long term to avoid market fluctuations or fuel supply problems and strengthen its business resilience and reduce CO_2 emissions through renewable energy.

DMG MORI is making various efforts toward a carbon-neutral, recycling-oriented, and sustainable society. In the area of renewable energy, DMG MORI is already using CO_2-free electricity at all its sites in Japan and since May 2022, a newly built biomass plant is in operation at Iga Campus that utilizes wood chips as fuel for carbon-neutral power generation. Another solar power generation system has been in operation at DMG MORI's Davis Plant in California, the U.S., since November 2022, and from February 2025, Nara Campus will also begin generating solar power.

Furthermore, DMG MORI offsets CO_2 emissions that cannot be reduced by own efforts by investing in internationally recognized sustainable climate protection projects. Since 2021, DMG MORI's entire production – from parts procurement to product shipment – is fully carbon-neutral. Today, all DMG MORI machines worldwide are shipped with the GREENMACHINE mark.

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DMG MORI will continue to expand the use of renewable energy to accelerate the reduction of CO_2 emissions and contribute to the realization of a carbon-neutral society.

*1 Based on publicly available information on on-site solar power generation for self-consumption.。

*2 PPA: Abbreviation for Power Purchase Agreement. A form of contract in which electricity consumers purchase renewable energy power directly from power generators.
The on-site PPA model is a business model in which a power generation facility is installed on a customer's premises or roof, and the power generated there is sold to the customer.

Reference) Press Release of September 20th, 2022
Japan's largest self-use solar power system:
DMG MORI to build 130,000 m^2/ 13,400kW solar rooftop in Iga
https://www.dmgmori.co.jp/corporate/en/news/pdf/20220920_solar_e.pdf

First batch of solar panels at Iga Campus

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