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Our Group Will Construct Hydrogen Production Facility at Energy-from-Waste Plant in Switzerland

Hitachi Zosen Inova AG ("HZI", Switzerland), a wholly-owned subsidiary of Hitachi Zosen Corporation, that designs, constructs, and maintains energy-from-waste ("EfW") plants, will construct a hydrogen production facility at an EfW plant in Buchs, Canton of Aargau, northern Switzerland. The installation of the facility is planned to start in June 2022, and full operations will commence in spring 2023.



The EfW plant to be used in the project

Switzerland is promoting the use of hydrogen as part of its energy transition to renewable energy to achieve carbon neutrality.

HZI and the Aarau-Lenzburg Regional Waste Disposal Association (Switzerland) will jointly implement the first project in Switzerland to produce hydrogen using electricity generated by the EfW plant.

HZI is responsible for the construction for the facility, and will own the facility for three years and also provides operational services.

The production capacity of the facility is 550 Nm³ /h. Messer Schweiz AG, a Swiss gas utility, will purchase the hydrogen produced and supply it for industrial use and as fuel for local public transport and private vehicles. Once the facility goes into operation, it will produce approximately 200 t/year of hydrogen, equivalent to about 10-15 GWh of electricity. This is equivalent to keep hydrogen vehicles running for around 20 million

kilometers (approximately 1,000 vehicles).

Our Group will continue to work towards achieving the SDGs (Sustainable Development Goals) adopted at the United Nations Summit and realizing a recycling-oriented society through clean energy technologies.

Outline of the facility:

Hydrogen production capacity: approx. 200 t/year

Site: Buchs, Canton of Aargau, northern Switzerland

Full operation schedule: Spring 2023