

## Woody biomass gasification in Furudono Town, Fukushima Prefecture Commencement of demonstration tests for power plant construction

EXEO Group, Inc. (Headquarters: Shibuya-ku, Tokyo, President: Tetsuya Funabashi) has started the construction of a verification test facility for the construction of a wood biomass gasification power plant at the former Ronden Elementary School in Furudono Town, Fukushima Prefecture (closed in 2011), and plans to start the verification test operation around February 2022. The plan is that continue the construction of the woody biomass gasification power plant once the performance is confirmed through this demonstration test.

With the cooperation of Furudono Town and the local forestry community, we plan to collect about 20,000 tons of cedar chips from unused forest timber annually around Furudono Town and operate the plant as a 1,980 kW power generation facility. The two gasification power plants will be constructed in collaboration with the Austrian POLYTECHNIK Luft-und Feuerungstechnik GmbH, which has a business alliance with our company for the construction of wood biomass plants since 2004. ReGaWatt GmbH has a high power generation efficiency of approximately 30% and an overall energy efficiency of over 85%, and has a track record of stable operation in the German, Dutch and Swiss regions.

With the cooperation of Furudono Town, we will build a system that makes effective use of unused forest residues in the surrounding area by using biomass gasification power plants that operate on 100% forest resources, thereby revitalizing the local economy and supporting the sound regeneration and growth of forests.

### 【Profile of Furudono Town Plant】

Location	Aza Waseda, Aza Ronden, Furudono Town, Ishikawa-gun, Fukushima Prefecture 'Former Ronden Elementary School'
Builder	EXEO Group, Inc.
Output	Electricity: approx. 1,980 kW, Heat: approx. 3,600 kW
Estimated annual power generation	Approximately 14.25 million kWh (equivalent to the annual power consumption of 3,800 households)
Fuel type	Wood chips made from wood from neighboring areas (unused materials in Japan)
Fuel consumption	Approximately 20,000 tons per year
Reduction in CO2 emissions	6,500 tons per year
Commencement of commercial operation	Around March 2024 (planned)



completed image drawing

