

## **2G Energy commissions another hydrogen CHP in Japan**

**The view that hydrogen is a key factor in the energy sector's mission to reconcile the need for supply security and climate neutrality in the long term has extended far beyond Europe. Japan is a hub for ideas and projects involving the decentralized use of hydrogen in the energy mix of the future. This is embodied by the energy service provider Erex whose portfolio now includes the company's first ever hydrogen power system by 2G for the constant and reliable provision of energy.**

Heek, 07/11/2022 – 2G Energy was recently able to commission another cogeneration system operating on hydrogen in the Yamanashi Prefecture, in Fuji Yoshida City to be precise. The CHP, an agenerator 412 model, has an electrical output of 320 kW and feeds the regeneratively produced electricity into the local grid to improve the supply security in a rural region. Erex, a specialized energy service provider with many years of experience in the development of innovative and increasingly climate-neutral supply concepts, operates the CHP. Besides this new hydrogen CHP, Erex also counts five biomass power stations among its assets.

### **Years of experience with hydrogen facilitate market launch**

As early as 2014, 2G commissioned its first hydrogen CHP laying the foundation for many years of experience in the decentralized and highly efficient utilization of hydrogen by means of cogeneration technology. According to Andre Banken, Head of international Business Development at 2G, this project seamlessly fits the tradition of technological development at the company: "Since the foundation of the company in 1995, we actively explore the usage of divers regenerative gases of varying quality. In this current ramp-up phase of the hydrogen economy, the experience we gained over the years is a massive feather in our cap in so far as that we are already able to carry out such projects in a standardized way."

### **2G sees hydrogen as a worldwide topic**

This recently operational cogeneration system shines a spotlight on the fact that hydrogen is a key topic for the future worldwide energy economy. Regardless of its magnitude, this project is only one of many international hydrogen projects carried out by 2G, as CEO Christian Grotholt points out: "Besides a number of hydrogen projects in Germany, our close-knit, worldwide distribution and service network allowed us to carry out hydrogen projects in Dubai, the UK, the US and several others in Japan. That list alone proves the global dimension that the subject has taken on for us nowadays."

## Images



Image description: Hydrogen CHP in Fuji Yoshida City / Japan

Image source: 2G Energy AG

### About Erex

Erex is a trailblazer for the transformation of the Japanese energy supply infrastructure who operates in the sectors of fuel, electricity generation, electricity trading and distribution. The company disposes of five biomass power systems with a total output of 275 megawatts. Besides its operations on the Japanese market for renewable energies, Erex aims at future expansions by entering the markets in Vietnam, Cambodia, and other Asian countries to facilitate the decarbonization of Asia while ensuring reliable power supply.

### About 2G Energy

The 2G Energy AG is one of the leading global manufacturers of combined heat and power generation systems (CHP) that provide a decentralized supply of heat and electricity using reciprocating piston engines that run on natural gas, biomethane, biogas, sewage gas, landfill gas or hydrogen. The systems in the portfolio range from an electrical output of 20 to 4,500kW. The customers range from farmers over municipalities, commercial enterprises, medium-scale and big industrial companies to the energy economy. In addition to the headquarters in Heek, located in the "Münsterland" region in western Germany, 2G is represented by subsidiaries in several European countries as well as North America and has about 800 employees worldwide. Since being founded in 1995, 2G has commissioned more than 8,000 systems throughout the world.

**Contact:**

Stefan Liesner  
2G Energy AG  
Head of PA / PR  
Benzstraße 3  
48619 Heek  
+49 2568 9347-2135  
+49 152 54618521  
s.liesner@2-g.de  
www.2-g.de