



Press release

28.03.2018

Re² realizes large-scale project with 1.75 MW_{el} in Japan

25 Biomass CHP units from the German plant manufacturer Spanner Re² GmbH will go into operation in Japan towards the end of this year. In close cooperation with its Japanese subsidiary Spanner KK, Re² is implementing another major project for combined power and heat generation by using wood.

Germany, Neufahrn i. NB. Spanner Re² GmbH, the leading manufacturer of Biomass CHP, has been dedicated to the generation of electricity and heat from wood for more than 10 years. With more than 20,000,000,000 operating hours, the Biomass CHP units have proven themselves worldwide with a verifiable annual availability of up to 99 percent.

"When the company was founded, the market primarily demanded decentralised individual plants. A clear movement and demand towards major projects is now noticeable", reports Thomas Bleul, Director of Spanner Re² GmbH. "The 'HKA 70', with an output of around 68/72 kW_{el} and 120/130 kW_{th}, is a good example of how we are further developing our solutions to meet this growing trend. Through cascade systems, the power range can be extended up to 2 MW_{el}, depending on customer requirements", explains Bleul.

Together with its subsidiary Spanner KK, Spanner Re² GmbH has received the go-ahead for another major project. 25 Biomass CHP units with a total capacity of 1.75 MW_{el} and around 3 MW_{th} as well as the entire wood-chip logistics with fuel drying and sieving technology will be implemented in Japan this year. Project planning is already in full swing. In autumn, the peripheral technology and the 25 Biomass CHP units will be installed turnkey ready. The first feed-in of electricity into the public grid is planned towards the end of 2018. The heat generated from wood will be used to supply large greenhouses that require very high heat temperatures throughout the year. "The project is exemplary of pioneering heat utilisation in agriculture", says Akiko Okada, Director, business development of Spanner KK.

It is the fifth Biomass CHP to be located in Japan by Spanner KK. The customer intensively researched about ten manufacturers worldwide and then came to us", says Okada. The price competitiveness of Re²'s multiple plants compared to a single large plant was convincing, but also the continuous high plant availability of more than 90 percent. In contrast to a stand-alone system, a Biomass CHP cascade from Re² ensures a high basic supply even during maintenance work. In addition, 100 percent of the maintenance work can be carried out in-house, including the series-produced engines eliminating expensive assignments by specialists. "The project in Japan shows that Re² has reached the league of large-scale plant engineering", says Bleul. "A project of this size requires know-how, reliable plant engineering and a motivated, well-rehearsed team. This is what we can offer our customers", adds Bleul.

Picture: Project visualisation of the 25 Biomass CHP units of Re² and peripherals with a capacity of 1.75 MW_{el} and 3 MW_{th} (Spanner Re² GmbH).
