



**Press release 11.11.2019**

**Above-average plant availability for large-scale CHP project from Spanner Re² commissioned in March this year.**

Ten Spanner Re² wood-fired power plants, including peripherals, went into operation in March this year in Asia. Since commissioning the wood-based CHP plants the expected 7,500 hours of operation has been easily exceeded by more than 18 percent.

Neufahrn i. NB. Spanner Re² manufactures and sells highly efficient plants that generate electricity and heat according to the principle of combined heat and power (CHP). The patented wood-strength technology delivers energy regardless of the weather, all from the CO<sub>2</sub>-neutral fuel wood.

**Upsizing to a large wood gasifier project with Spanner Re² has many advantages**

Depending on energy requirements, the modular wood gasifier can be combined in a cascade, where the systems can be operated in parallel or independently of each other. This offers the customer maximum flexibility. Compared to a single large-scale plant, a cascade solution from Spanner Re² has numerous advantages: For example, Spanner Re² HolzKraft systems are in continuous operation, even during maintenance work. In addition, no expensive service calls are necessary because 100 percent of all maintenance work can be carried out by the plant operator and trained is provided free of charge in Spanner Re²'s Holz-Kraft-Academy of .

The performance range of the cascade solution is conveniently customizable. Similar to large biomass boilers, the plant runs in part-load operation in a highly efficient manner, without the system technology being burdened.

In addition, Spanner Re²'s the wood-based CHP systems are extremely flexible in terms of fuel consumption. Whether wood residues, processed pallets or roadside green - almost every wood can be used for energy production. This keeps running costs low and enables operators to efficiently source wood fuel from their local area.

**Customer expectations exceeded by fast plant installation and excellent performance**

The wood gasification and wood gas CHPs and peripheries including conveying and discharge technology and a fully automatic wood chip dryer, were shipped with overseas containers and installed at the customer's site within a few weeks.

"The expected output of the ten plants, each 49 kWel, was quickly exceeded directly after commissioning with an average plant output of more than 52 kWel," reports Thomas Bleul Managing Director of Spanner Re². "In addition, in the period from 8 March to 30 October, the plants were operating at 5,655 hours - exceeding the assumed term by more than 18 percent. Our customer is highly satisfied with the project planning and implementation of the major project. An extension is already in progress, which is the greatest confirmation for us that Spanner Re² GmbH has successfully established itself in the large CHP performance range," says Bleul.

**Bildunterschrift: Zehn Holz-Kraft-Anlagen der Firma Spanner Re² GmbH mit einer Leistung von 490 kWel und 1,1 MWth erzeugen seit der Inbetriebnahme Anfang dieses Jahres CO<sub>2</sub>-neutrale Energie aus Hackschnitzel. Die Anlagen übertreffen seit Inbetriebnahme die angesetzte Laufzeit um über 18 Prozent.**

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