



## Press release

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### Re² launches new generation of Biomass CHP

The leading plant manufacturer Spanner Re² GmbH from Germany is launching a new wood-based Biomass CHP on the market. With around 68 kW<sub>el</sub> and 130 kW<sub>th</sub>, the plant is highly efficient and generates climate-friendly electricity and heat from wood chips.

**Germany, Neufahrn i. NB.** More power, lower fuel consumption and new intelligent control software: the innovative Biomass CHP "HKA 70" is the first representative of the new generation of wood-based CHP plants from Re².

With a turbocharged 6.3-litre engine, increased heat utilization and a special cooling process, the tried and tested wood-power-technology has been further developed in a highly efficient manner. As a standard feature, the new Biomass CHP is equipped with a synchronous generator, which means that the plant is started using wood gas instead of electricity. This saves costs and ensures safe plant operation, even with less stable power grids. The innovative Re² control system manages the entire plant operation and optimizes runtime stability. The menu structure is reduced to the essentials, which increases ease of operation and makes the control system particularly user-friendly.

"We are committed to making renewable energies competitive", explains Thomas Bleul, Director of Spanner Re² GmbH. "With our new product, the HKA 70, we were able to demonstrate our many years of experience", says Bleul. With an electrical efficiency increase of 20 percent, the plant is more powerful and converts the regional energy source wood into electricity and heat even more efficiently than ever before.

What is particularly interesting is that the plant operates with recycled waste wood. At present, tree felling is very frequent due to pest infestation or storm damage. The demand for wood chips on the market is very low so the HKA 70 represents an attractive solution for this and paves the way for the operator to achieve energy independence. As a full-service provider for wood-based power and heat generation, Re² offers all the necessary system components for material processing.

The HKA 70 is economical with brilliantly efficient heat production and high utilization of its own power, even with short running times. For example, the wood-fired power plant is not only suitable for operators who have a very high-energy demand all year round, such as sawmills, heating plants or in the hotel industry. It is, also suitable for seasonally fluctuating energy requirements, such as in the case of wages drying agricultural and forestry operations, which have a service life of 4,000 hours per year.

Due to its modular design, the new "smaller" Biomass CHP plant can be combined to increase output and several plants can be cascaded.