



Press release

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Re² grows product portfolio with new high capacity biomass power plant

Spanner Re² GmbH launches the HKA 600 wood based CHP plant with 0.6 MW_{el} and about 1.2 MW_{th}. The new turnkey wood gas power plant expands the Lower Bavarian manufacturer's product portfolio. The HKA 600 offers a climate-friendly, CO₂-neutral energy solution for the high capacity range, which is completely tailored to the high supply demand.

Neufahrn i. NB. Spanner Re² was one of the first biomass power plant manufacturers to produce wood gasifiers in series production. The size of the first plant was 30 kW electrical. Today, Spanner Re² is one of the leading manufacturers of wood-based cogeneration plants - and not only in the small capacity range. Re² now offers solutions from 30 kW to 4 MW electrical, including the entire periphery such as conveyor technology, fuel dryers and planning components such as project planning and on-site services. The patented technology has proven itself worldwide with over 40,000,000 operating hours.

Re² focuses on large wood gas projects

Spanner Re² are experts of large-scale project planning. In recent years, Re² has positioned itself on the international market through numerous large projects based on wood gas. Among others the company has accomplished a 2 MW project in Japan, several large MW projects in Latvia, a 0.5 MW project in Ukraine and a 0.35 MW wood gas project in Austria. Follow up projects are already being implemented with existing customers due to the existing plants consistently running with high levels of availability. "At the beginning of our company history, Spanner Re² was known for its 'small' wood gasifiers. Thanks to the incentive of continuous further development and our great passion for this future-oriented technology, we have managed to successfully gain a foothold in the megawatt range with our technology", Thomas Bleul, Managing Director of Spanner Re², proudly announces. "In the development of our new HKA 600, we were able to make perfect use of our knowledge and our accumulated experience, especially in the area of large-scale project planning. After all, a large-scale project naturally has different requirements than the installation of a single system," Bleul continues. "For a company to be successful in the long term, it is always important to keep up with the times. That's why it was only logical for us to expand our product portfolio with a plant of this size", Bleul adds.

HKA 600 - The environmentally friendly wood gas power plant

The HKA 600 is a wood gas power plant that contains all the necessary components like wood gasifiers, CHP, conveying technology and wood chip dryer perfectly matched to each other. The ingenious technology enables almost fully automated fuel logistics. This saves time and money and makes the plant operation efficient and safe. Only the storage bunker needs to be filled with wood chips. The other process steps such as drying, charging and discharge are automated and controlled according to demand. Electricity and heat are generated according to the principle of combined heat and power generation. Spanner Re² uses a combination of wood gasifiers and a powerful combined heat and power unit (CHP). In contrast to other CHP technologies, which are based on the combustion of biomass, the wood gas power plant does not require an intermediate medium. This increases the electrical efficiency and at the same time reduces the process chain to the essentials. There is no CO₂ tax, as is the case with fossil-based large-scale plants, with this environmentally friendly technology. Also, unlike fossil fuels, the added value remains in the region, as only locally sourced wood is used as fuel.

Picture: HKA 600 - the wood gas power plant with a capacity of around 0.6 MW_{el} and 1.2 MW_{th}. Source: Spanner Re² GmbH.