

**Spanner Wood biomass CHP extremely popular with operators in UK  
Heat and power from wood chips offers multiple economic benefits**



Spanner biomass CHP

Neufahrn / NB, Germany, September 28, 2016: The UK's renewable energy market has an innovative new player. German engineering expert Spanner Re2 GmbH are attracting attention with their Biomass CHPs and are proving to be a huge sales success in the UK. Many types of diverse UK business operations are benefiting from the many advantages of the parallel production of heat and electricity from burning regionally available wood chips. From agriculture and forestry, local or remote heating networks to green hotels and wellness estates. They are all transforming their businesses with the UK's most popular Biomass CHP.

The Biomass CHP's operation is heat-based, with the plant's output being 1/3 electrical and 2/3 thermal power. This output successfully addresses the needs of businesses that require heat for livestock breeding, cooling, pelleting or drying purposes, swimming pools, wellness areas, and the operation of local power and heat networks.

There are also attractive cost advantages of running a Biomass CHP in the UK. For the compensation of the power produced, ROC (Renewable Obligation Certificates) regulations apply. Current ROCs in the UK are at 4 to 5 p/kWel. In line with the regulations valid until March 2017, UK operators of Spanner Re<sup>2</sup> Biomass CHPs are eligible for receiving 1.8 ROCs. For example, at a value of 4.5 p/kWel x 1.8, an operator will receive 8.5p for each kWel produced by their plant (minus a service fee of 2p/kWel/ROC deducted by the

power supplier). When the power is fed into the electricity grid, the operator receives an additional 3 to 4p/kW<sub>el</sub>.

The heat is also compensated following the RHI (Renewable Heat Incentive) regulations. For Spanner Re<sup>2</sup> Biomass CHPs the Small Biogas Combustion Tariff applies, which is currently at 5.9p/kW<sub>th</sub>.

Thanks to their modular design Spanner Re<sup>2</sup> plants are delivered within eight to twelve weeks upon placement of the order. This enables start of operation in just two to three months after order placement.

All UK customers receive expert installation, repair, and support services by a dedicated local Spanner Re<sup>2</sup> team. Spanner Re<sup>2</sup> experts are available to assist customers with expert technical and legal advice to ensure optimum plant efficiency and economy.

Spanner Re<sup>2</sup> Biomass CHPs consist of the innovative, patented Spanner Re<sup>2</sup> gasifier and an efficient CHP powered by wood gas. The patented gasification process in the Spanner Re<sup>2</sup> Biomass CHPs produces a highly pure and condensate free wood gas and ensures a continuous gas production. This ensures that operation of the plant is easy, highly reliable, and environmentally friendly. In their power range Spanner Re<sup>2</sup> Biomass CHPs feature clear advantages over other technologies like steam turbines or ORC plants - especially when it comes to investment cost, efficiency, overall profitability, and implementation speed. Biomass CHP plant uses locally sourced timber, which, by contrast to oil or gas, is sustainable and environmentally friendly.

“We have sold over 550 Biomass CHPs worldwide and 2016 will be another record year for us”, says Thomas Bleul, Managing Partner at Spanner Re<sup>2</sup>.

“Our UK market is growing exponentially as more and more farm and forestry businesses are realising how a Biomass CHP can make them independent of fluctuating energy prices and give them ultimate power autonomy reliability while at the same time earning them real money.”

Spanner Re<sup>2</sup> offers the Biomass CHP in two power sizes: 30 kW<sub>el</sub>/73 kW<sub>th</sub>, and 45 kW<sub>el</sub>/108 kW<sub>th</sub>. System operation is fully automated and highly reliable. The plant has passed emission and additional regulation tests in all major

countries.

Generating heat and electricity simultaneously with a Spanner Re<sup>2</sup> Biomass CHP will future proof any business model. For more information on how Spanner Re<sup>2</sup> can help you to diversify your business please visit [www.holz-kraft.de](http://www.holz-kraft.de).

### **About Spanner Re<sup>2</sup>**

Spanner Re<sup>2</sup> GmbH is the leading producer of small, decentralized CHP plants for solid biomass. Spanner Re<sup>2</sup> Biomass CHPs produce heat and power at the same time from wood chips. They are the first successful serial product and have proven their value in many years of operation in a broad variety of applications. Spanner Re<sup>2</sup> Biomass CHPs are used in agriculture and forestry applications, hotels and catering, and in local heating networks. Their excellent energy efficiency, their use of regional renewable resources, and the attractive feed-in remuneration are the plant's main advantages. Spanner Re<sup>2</sup> has long experience and expertise in the production of biomass heating systems and is audited systems supplier for Bosch/Buderus. Spanner Re<sup>2</sup> is a fast growing company with more than 100 employees and part of Spanner group.

### **About Spanner group**

Founded in 1951, Otto Spanner GmbH is a metal working family business supplying partners in the automotive industry, e.g. BMW and Porsche. Over the past few years the Company has successfully expanded into growth markets like renewable energies and electronics. Spanner group today consists of four individual companies employing a total of over 360 people.

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