

Press release

27.04.2017

Spanner Re² presents the new, innovative „Energy Block“

The cleverly designed Energy Block is a compact, turnkey solution that cogenerates heat and electricity from wood with maximum flexibility and autonomy. The system is ideal for ‘off-grid’ operation, significantly reducing reliance on other costly power supplies.

Neufahrn i. NB. The cogeneration of power and heat from regional resources is easier than ever before thanks to Spanner Re²'s Energy Block.

The innovative system includes a wood gasifier unit, a block heating station and an intelligent regulation unit. All of which are perfectly balanced in a 20 or 40-foot-housed container.

The modular structure and ability to cascade the biomass CHP means the system offers maximum flexibility and can be easily adjusted to local conditions. . Power and heat production from locally sourced wood is consistently achieved with the Energy Block's broad power spectrum options from 35 kW_{el} to 780 kW_{el} as well as 80 kW_{th} to 1.8 MW_{th}.

“With our new Energy Block Spanner Re² offers a complete, efficient and bespoke off-grid solution. Ex-works pre-assembly and our cleverly devised Plug & Play technology means we can put the system into operation in a very short timeframe”, said the project director Jörg Kretschmer.

The demand for an innovative energy technology in the renewable sector is becoming even more relevant due to the continuing rise in electricity costs, fossil fuel dependency and limited regional supply options. The Energy Block addresses that demand and uses a variety of different fuel types to operate including wood chips, pellets and briquettes.

“The desire to replace expensive, fossil diesel generators with eco-friendly energy is increasing. Off-grid solutions like the Energy Block provide a self-sufficient power supply that meets those needs perfectly”, explained Thomas Bleul, managing partner of Spanner Re² GmbH. “Our Energy Block is also an excellent solution for suboptimal developed regions, to produce climate friendly power and heat. Our patented technology uses the energy from the sun which is stored in the wood and at the same time is adding value because the wood stays locally in the region”, said Bleul.

photo_1: EnergyBlock-_exterior view– 40 foot-housed container

photo_2: EnergyBlock-Innenansicht – interior view 40 foot-housed container variation with three biomass CHP