



EC POWER

Efficient and sustainable energy production

EC POWER's XRGBI® is a combined heat and power plant (CHP) that works on the principle of cogeneration – the simultaneous production of electricity and heat. The innovative power plant makes an active contribution to environmental protection due to its high energy efficiency, sustainability and significant carbon footprint reductions.

TEXT: NANE STEINHOFF | PHOTOS: EC POWER

Founded in 1996, EC POWER has become the leading manufacturer of mini heat and power plants for decentralised supply of heat and power through cogeneration. "Our philosophy is to make cogeneration of heat and power both easy and economic," explains Helmut Barsties, a representative for EC POWER.

How it works

While traditional power plants generate high amounts of waste heat, a combined heat and power plant makes use of the heat for space heating or domestic hot water. EC POWER's XRGBI® cogeneration plants produce power and heat at the

site of consumption and put up to 96 per cent of the primary energy into use in the building. Thus, XRGBI® receives the top heating efficiency class of A+++.

XRGBI® plants run successfully across Europe. They come with electrical outputs of six, nine, 15 or 20 kWe and are modularly extensible to 80 kWe or more. In Germany alone, 7,000 XRGBI®s continuously deliver power and heat to buildings such as schools, hotels, spas and multifamily housings. The EC POWER Academy in Berlin holds regular courses for plant installation, operation and maintenance ensuring that all EC POWER clients from

trade, industry, commerce, municipalities, housing industry and public utilities have the best mini-CHP solutions available.

Why choose XRGBI®?

Substantial savings on the energy bill make XRGBI® plants highly profitable and 20 patents testament EC POWER's innovative strength and advantages such as high electrical and thermal efficiencies, long service intervals, very low noise levels, compactness, easy building integration and IT security for safeguarding critical infrastructure.

Furthermore, hydraulic solutions developed with leading boiler manufacturers (for example, Buderus, Vaillant or Brötje) ensure smooth interaction of boiler and XRGBI® plant.

EC POWER's XRGBI® plants are a future-proof investment.

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