



# Generate your own green electricity with EnerTwin

Micro turbine turns  
heating and electricity  
completely green





## Greening and sustainability

Almost everyone today is convinced of the need for greening. CO<sub>2</sub> emissions must be drastically reduced, but it is not that easy to make the right choices. There are plenty of examples: sometimes there is no place to install solar panels. Incorrectly connected solar panels can cause a fire and cause insurance premiums to skyrocket. Although the heat pump is advertised as a sustainable alternative, this must be questioned if they run on electricity from fossil fuels. In addition, the installation of a heat pump often leads to considerable additional costs: in older houses, the necessary structural interventions can amount to investments of 50.000 Euro or more, which are necessary for insulation, double glazing and underfloor heating, among other things. EnerTwin offers an environmentally friendly solution for these locations.

## Own green electricity generation

EnerTwin is a “plug and play” mini power plant (CHP): a single unit combines a boiler and a small power plant. The core of the system is a micro turbine that drives a generator. This has great advantages in terms of reliability and lifetime. Low maintenance costs and high efficiency are also characteristic for this system. EnerTwin is a solution that can be installed quickly, usually within one day. This prevents disruption and high costs of a renovation.

With the EnerTwin it is possible to fully control green energy generation: by using so-called green gas, green electricity is produced directly for internal use. Green gas, like green electricity, is usually available from most utilities.

## “100% green, arranged in one go”

EnerTwin is suitable for many clean fuels such as green gas and biomethane, but also gas with a up to 23% hydrogen added. The maximum yield of green electricity per year that can be generated with the EnerTwin corresponds to approximately 130m<sup>2</sup> of solar panels. This also makes the device interesting for energy projects of small-scale energy cooperatives: for example, the EnerTwin can be used as a green power plant in a small apartment complex.

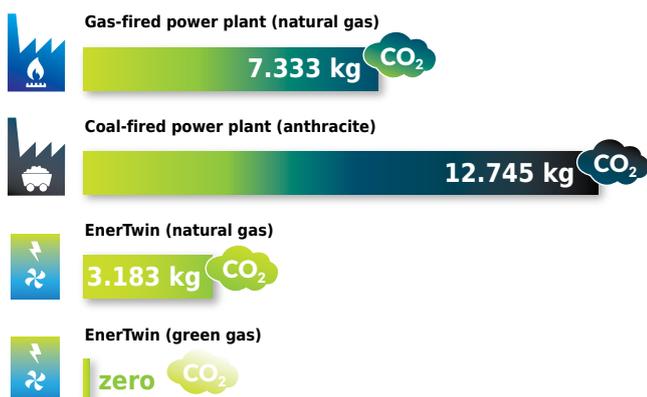


**Biomethane  
Green Gas  
Hydrogen**

## CO<sub>2</sub> emission reduction with EnerTwin

A simple calculation shows that EnerTwin can significantly reduce CO<sub>2</sub> emissions. In contrast to a power plant, hardly any heat is lost with locally generated electricity and there are no transport losses.

CO<sub>2</sub> emissions (when generating 16.000 kWh of electricity):



When generating this same amount of electricity, an EnerTwin can reduce CO<sub>2</sub> emissions by more than 9,5 tons compared to a coal-fired power plant! These savings are further increased when using green gas or biomethane.

*“Eco-friendly, sustainable  
and comfortable”*



*“Significant  
CO<sub>2</sub> reduction  
at low cost”*



*“Installed quickly  
within a day”*





## Service and warranty

EnerTwin was developed by Micro Turbine Technology (MTT) in collaboration with various research institutes, industrial suppliers, companies from energy and installation sector. This collaboration resulted in a reliable product that meets all modern requirements for decentralized generation of heat and electricity. EnerTwin comes with a standard 2-year warranty, extendable to 4 years when under a full-service contract. In addition to product delivery, MTT also provides training for installation and maintenance to installers. In cooperation with certified installers, we also offer various maintenance concepts, including second-line support and 24/7 remote monitoring.



Available at

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