

PRESS RELEASE

Pioneering breakthrough in renewable energies – Steamergy sets efficiency world record

Deggendorf, March 5, 2025 - Steamergy sets new standards in sustainable energy supply: On February 21 at 9:07 pm, a new world record was set at a customer facility in Tragwein, Austria, at the Herbert Handlos company (sawmill): Steamergy achieved an efficiency of 32.1% with its high-performance steam engine - the highest efficiency performance ever measured worldwide in this technology class.

With a steam temperature of 609 degrees Celsius and a pressure of 91 bar, this impressive value was not achieved in the laboratory, but in series production. Systems of this type have already been successfully implemented in four countries: Germany, Austria, Italy and Switzerland. This proves that Steamergy's revolutionary technology is directly suitable for widespread use and makes a decisive contribution to the energy transition.

“This record is proof of our commitment to providing efficient and sustainable energy solutions for the general public. In times of rising energy prices and stricter legal requirements (Building Energy Act GEG), this breakthrough comes at just the right time,” explains Robert Duschl, Managing Director of Steamergy GmbH & Co. KG.

The newly achieved efficiency limit marks significant progress in the use of renewable energies. Thanks to this innovation, companies and consumers benefit from sustainable, economical and efficient energy generation. With this new efficiency record, the gap to classic combustion engines has been closed. The significantly lower operating costs have made it possible for the first time to generate electricity and heat more cheaply than with natural gas-powered CHP units.

About Steamergy

Steamergy GmbH & Co. KG, founded in 2017 and based in Deggendorf (Bavaria) and Stralsund (Mecklenburg-Western Pomerania), is a leading company in the field of decentralized energy generation technology. The company offers advanced solutions that represent economical, CO₂-neutral and base-load capable alternatives to traditional energy supply. Steamergy effectively uses biomass, wind, solar and hydrogen to enable not only local utilization, but also the holistic provision and optimization of energy generation. The company stands for innovative, environmentally friendly and future-oriented energy solutions that meet the requirements of today and tomorrow.

Further information at: www.steamergy.com

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