

HotGreen Solutions secures £1.2M Pre Seed to reduce energy bills for the Food and Beverage industry with ultra-efficient heat pumps

The team is developing steam-capable heat pumps to electrify industrial process heat and save €0.5M annually off the energy bills for a typical food and beverage facility.

London, United Kingdom, 15th October 2025 - A UK clean-technology startup is developing ultra-efficient high-temperature heat pumps to electrify industrial process heat. The Pre Seed round led by Empirical Ventures includes strategic participation from Coca-Cola Europacific Partners (CCEP), First Imagine! Ventures, The Conduit Impact Fund, and Almanac Ventures.

Industrial process heat accounts for more than 20% of global CO₂ emissions, yet has been historically overlooked by innovation. With industry facing significantly higher energy bills in recent years, there is an urgent need for solutions that cut operational costs while meeting climate commitments. The company's ultra-efficient high-temperature heat pump technology provides a commercially viable pathway for industries to reduce both energy consumption and costs. Crucially, these heat pumps integrate seamlessly with existing infrastructure at legacy industrial facilities, delivering four times the efficiency of traditional boilers, enabling immediate impact without requiring costly facility overhauls.

Each installation takes 3-5 days and could help a typical industrial facility, such as a Brewer, Distiller or Dairy processing plant, save €0.5M annually on energy bills compared to traditional boilers, while also avoiding 3,000 tonnes of CO₂ emissions* each year. With energy savings of this scale, facilities typically achieve payback in under two years, making this a financially compelling investment that delivers both immediate cost savings and long-term environmental impact.

"This funding milestone is a significant step toward our mission to help industrial plants save cost while cutting carbon. My co-founder and I built HotGreen Solutions out of frustration for the lack of affordable solutions industry had to decarbonise profitably. We saw a clear unmet need for a low-carbon, commercially-viable solution that industry could adopt at scale.

Despite rising energy bills and its substantial carbon footprint, industrial heat has seen little innovation. It's the elephant in the climate-tech room, but also a major market opportunity. Our isothermal compressor technology delivers a leading heat pump solution with clear cost and operational benefits for sectors struggling with energy costs and emissions" said Georgia Ware, CEO and co-founder of HotGreen Solutions.

"We see real impact potential in HotGreen Solutions' approach to decarbonisation – which aligns with our own sustainability ambitions. We're excited to trial their technology in our

operations and see how their innovation can help accelerate us towards our 2040 net zero targets”, said Sashidar Rajendra, associate director, Coca-Cola Europacific Partners Ventures.

“Industrial heat is one of the largest untapped levers in global decarbonisation. We led this round because HotGreen’s first-principles engineering and validated compressor architecture offer a credible path to profitable electrification. This technology combines high efficiency with strong unit economics, the kind of evidence-backed innovation Empirical Ventures was built to back” added Dr Johnathan Matlock, co-founder and General Partner at Empirical Ventures.

The investment announced today will accelerate the growth of HotGreen Solutions to scale its ultra-efficient heat pump technology through pilots and deployments within the food and beverage sector.

**Numbers provided are estimates based on projected product performance and operational data from a typical facility with 2MW thermal requirements.*

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About HotGreen Solutions:

Founded in 2024 with support from Deep Science Ventures and The Net Zero Technology Centre, HotGreen Solutions is developing ultra-efficient high temperature heat pumps to produce low carbon steam for industry. Based in the UK, the startup is on a mission to save manufacturers money while cutting carbon.

Learn more at www.hotgreensolutions.com.

About Empirical Ventures:

Empirical Ventures leads pre-seed and seed rounds for deep science startups creating century-defining technologies. Co-founded by Dr. Ben Miles (physics) and Dr. Johnathan Matlock (chemistry), they have extensive experience as scientists, entrepreneurs, and investors. The team are looking for exceptional science-led startups that are using the latest technological advances to solve some of the most pressing challenges facing society and our planet. Empirical fills a key need in the DeepTech landscape in the UK by leading due diligence on deep science startups, helping to de-risk early-stage investments for their investors and co-investors. Empirical Ventures operates as an appointed representative of SFC Capital Partners.

About Coca-Cola Europacific Partners

Coca-Cola Europacific Partners is one of the world's leading consumer goods companies. We make, move and sell some of the world's most loved brands – serving nearly 600 million consumers and helping over 4 million customers across 31 countries grow. We combine the strength and scale of a large, multi-national business with an expert, local knowledge of the customers we serve and communities we support.

CCEP Ventures is the organisation's innovation investment engine. It operates with one clear mission: to find, fund and foster transformative solutions which can help tackle waste and emissions reductions challenges, delivering a low-carbon future for the business, and the wider industry.

About First Imagine!

First Imagine! is a European venture investor focused exclusively on the Cleantech domain. First Imagine! specifically targets startups at the early commercialisation stage. As a member of the British Venture Capital Association and the International Renewable Energy Agency (IRENA) Coalition for Action, First Imagine! is an active part of the European innovation and startup ecosystem. First Imagine! operates on the thesis that the societal objective of achieving environmental sustainability is not in contradiction with the business objective of achieving profitable growth, and that targeted investments in breakthrough technologies can help secure both.

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Media pack:

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