



HYTING announces Flusys as first customer for unique catalytic hydrogen heating system

- Start-up hydrogen heating technology company HYTING reaches its next strategic milestone by announcing Flusys as its first customer
- HYTING has radically simplified the use of hydrogen by developing a flameless, catalytic process to enable safe, efficient and clean forced-air heating with water as the only by-product
- Installation of the 10kW system will take place early 2025 at Flusys' newly-established production facility for precision pumps in Offenbach, Germany, and the 1,000 cubic-meter production space will be heated using hydrogen from a nearby supplier
- Commercial buildings are a target application for HYTING, and the modular, scalable technology is offered in 10-300 kW heating capacity
- Decarbonising heating is a globally recognised challenge, and one which must be quickly overcome if the ambitious target of net-zero is to be achieved by 2050
- For further information please visit hyting.com



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11 September 2024, Wiesbaden, Germany – Start-up hydrogen heating technology company HYTING has announced Flusys GmbH as its first customer. This key milestone represents not only a significant development in HYTING's strategic growth, but also affirmation that hydrogen can help to displace natural gas as a cleaner, more sustainable source of heating for commercial and residential buildings.



Installation and commissioning will take place early 2025, in Flusys' newly-established production facility for precision pumps in Offenbach, Germany. The 1,000 cubic-meter production space will be heated using hydrogen from a nearby supplier.

An expert in fluid system technology and a supplier of industrial systems. Flusys has many years of extensive experience with hydrogen technologies. A firm believer in the future of hydrogen, Flusys was open to innovations in this fast-growing sector and to be positioned as an early adopter of the latest developments of safe, energy-efficient, and sustainable heating solutions.

Tim Hannig, Founder and Managing Director of HYTING, said: "We are certain that hydrogen will help decarbonize the heating sector. By radically simplifying the use of hydrogen's thermal energy we developed an innovative hydrogen-fueled heating technology that is simple, safe, efficient, and clean and that will lead the way. We're very proud that Flusys has chosen us, and we look forward to commissioning our technology at the Offenbach facility."

"We are delighted to be a lighthouse customer of HYTING. The technology immediately fascinated and excited us. We hope to be able to give a boost to this new CO₂-free technology," **said Carsten Neutzer, CEO of Flusys GmbH.**

HYTING's innovative concept offers a simple, safe, efficient, and clean way to generate heat directly from hydrogen, without combustion. The start-up has developed a forced-air heating system (patents-pending) that uses a unique catalytic process to turn hydrogen and oxygen from air into heat and which does not produce any CO₂, NO_x, or particulate emissions – the only by-product is water. Furthermore, it does not use flammable concentrations of hydrogen at any operating point.

The technology is as robust and cost-effective as it is innovative because it uses many proven, existing components from the heating and automotive industries. It's also modular and highly scalable in design, with outputs of 10-300 kW, enabling it to be configured for a wide range of different heating applications, including industrial, commercial, and residential buildings – both new-builds and retrofits, agricultural greenhouses, portable heating units, and heating systems for commercial vehicles.

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About HYTING:

HYTING is a heating technology company founded in 2021 with the aim to deliver carbon-free heating fuelled by hydrogen: no CO₂, NO_x, or particulates. It has developed a forced-air heating system (patents-pending) that utilises a molecular, exothermic catalytic reaction to turn a mixture of hydrogen and oxygen from the air into heat – the only by-product is water. This flameless oxidation process is at the heart of HYTING's simple, safe, efficient and clean heating systems.



Decarbonising heating is a globally recognised challenge, and HYTING's technology can help to accelerate the transition from carbon-fuelled heating technologies to cleaner, more sustainable heating systems, and enabling net zero emissions by 2050.

HYTING's system will initially be used in commercial and industrial applications with heat outputs from 10-300 kW per unit. The company is scaling quickly from prototype to series production, with the first customer trials beginning early 2025. HYTING is based in Wiesbaden, Germany, and is run by a leadership team with decades of experience in the engineering sector.

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