

## Media Release

Frankfurt/Main, 17 March 2025

### **GF EcoMate: the 24/7 smart heat source management service from GF Building Flow Solutions**

**GF Building Flow Solutions' new business model GF EcoMate is a 24/7 heat source management, combining intelligent software and IoT sensors to optimize heating systems. The solution achieves an average of 30% energy savings, leveraging real-time building occupancy insights and weather forecasting for precise energy adjustments. Designed for light commercial buildings, EcoMate offers a unique business model with a risk-free contracting service fee based on shared cost savings and no hardware investment required.**

Most existing buildings still rely on fossil heating systems, leading to high energy consumption, increased CO<sub>2</sub> emissions, and rising operational costs. With stricter environmental regulations, real estate owners face financial risks when their buildings fail to meet new sustainability standards. Meanwhile, traditional Building Management Systems (BMS) come with high upfront and operational costs, limiting their accessibility. "With EcoMate, targeting light commercial buildings, we want to lower this entry barrier. No hardware investment will be needed as sensors and software are provided," says Torsten Meier, Chief Innovations Officer, GF Building Flow Solutions. "The solution is introduced with a contracting service fee tied to shared cost savings. We are excited to launch EcoMate at ISH 2025, focusing on Germany first, and look forward to further developing the concept in collaboration with real estate and asset managers, as well as building owners."

#### **Energy status-quo of existing buildings**

85 % of buildings in the European Union were built in 2000 or earlier and 75 % have a poor energy balance. 40 % of the energy consumed in the EU is used in buildings of which about 80 % is used for heating, cooling, and hot water. About one third of the EU's related greenhouse gas emissions (GHG) come from buildings<sup>1</sup>. In times of climate change this presents the most pressing global challenges. To achieve a fully decarbonized building stock by 2050, the EU has established a legislative framework to boost the energy performance of buildings.

#### **Protecting the environment and increasing real estate value**

"If we take Frankfurt as an example, where more than 1,000 buildings such as offices or schools still run fossil heating systems with high energy consumption and CO<sub>2</sub> emissions, the energy saving potentials are enormous.", says Torsten Meier, Chief Innovation Officer, GF Building Flow Solutions. "Apart from the environmental impact, real estate value quickly becomes a financial risk when building emissions are not in line with new rules and regulations. Available energy monitoring and optimization solutions are usually linked to high entry and running cost. Smart solutions to improve existing heating systems are needed. Our answer is GF EcoMate." The non-invasive, sensor and software-based solution achieves an average of 30 % energy savings by leveraging real-time building occupancy insights and weather forecasting for precise energy adjustments. The smart and fast to implement heat source management only requires sensors and software, which are provided at no costs.

#### **Databased real-time monitoring and automated optimization**

EcoMate improves heating efficiency by collecting key data points such as supply, return, water, and outdoor temperatures, which are securely uploaded to the EcoMate cloud. Advanced AI algorithms analyze building occupancy patterns and optimize boiler operation based on weather forecasts and the building's thermal capacity. By integrating a smart outdoor sensor that overrides the existing outdoor sensor reading, EcoMate seamlessly adjusts boiler control for maximum efficiency. Users can monitor performance and track achieved energy savings in real time through an intuitive web interface, ensuring transparency and enhanced cost-effectiveness.

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<sup>1</sup> [Energy Performance of Buildings Directive](#)

**Contracting model without upfront investment**

GF EcoMate doesn't require upfront investments as sensors and software are provided. Fast and easy to install, the cloud-based energy-efficiency service EcoMate fits to all gas heating systems in the market and does not require complex BMS IT infrastructure or invasive installations. Based on a contracting model by sharing the savings without any other fees, EcoMate is transparent and a zero-risk opportunity for customers.

**GF EcoMate:**

- EcoMate connects sensors, real-time occupancy insights and weather forecast, supporting facility managers
- Based on collected data, the intelligent software optimizes the heating system, saving in average 30% energy and cost (light commercial buildings)
- Reducing CO<sub>2</sub> emissions to protect asset value
- Sensors and software provided, no investment required
- Contracting model based on shared cost savings



**GF Building Flow Solutions @ ISH 2025**  
**Leading with Water**

Visit us:  
 Booth E07, hall 4.0  
 Frankfurt/Main, 17 – 21 March 2025

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**About GF Building Flow Solutions – Leading with Water**

With the construction industry accounting for a major part of the global CO<sub>2</sub> emissions, and the need for clean and safe drinking water to serve a growing population, GF Building Flow Solutions' mission is to solve the challenges of our time: the increasing demand for energy-efficient and affordable buildings, inviting and safe homes as well as access to clean and safe drinking water. GF Building Flow Solutions is Leading with Water, unleashing water's great potential as a resource to make buildings better, facilitate progress and enable our customers to be more productive and sustainable, ensuring comfort, health, and efficiency. Combining the best of the industry-leading brands GF, Uponor, and JRG, based on trusted Swiss, Finnish and German quality under one umbrella, customers get access to the broadest technology platform for a wide range of applications, ensuring customer satisfaction and performance. The portfolio comprises of safe solutions for hot- and cold-water supply and control, noise-reducing wastewater systems, as well as energy-efficient heating and cooling. A division of GF, GF Building Flow Solutions – formerly known as Uponor (Uponor Inc. in the U.S., Uponor Ltd. in Canada) and GF Building Technology – has sales companies in 30 countries and production sites in 12 locations across Europe and the Americas.

#LeadingwithWater  
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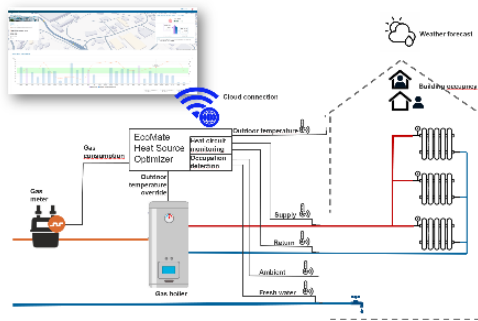
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**GF\_BFS\_EcoMate\_1**

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**Source: GF Building Flow Solutions**



#### GF\_BFS\_EcoMate\_2

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