



Shelbourne Global Solutions Installs Groundbreaking Heating Technology that Generates Free Electricity at Historic Fuller Brush Factory Building

Enviro Power's Patented High-Efficiency SmartWatt Boiler Incorporates Mini Power Plant to Convert Lost Heat into Electricity at Iconic complex in Hartford's North End

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HARTFORD, CT – March 6, 2023 – Shelbourne Global Solutions has tapped a revolutionary new heating system that also generates free electricity at the historic former Fuller Brush factory at 3580 Main Street. The SmartWatt Boiler, invented by Connecticut-based Enviro Power, Inc. and installed here earlier this month, converts energy that would otherwise be lost in traditional boilers into useful electricity.



Designed as a first-of-its-kind drop-in replacement for conventional heat and hot water system boilers, the SmartWatt boiler generates clean energy at 98 percent efficiency (HHV). It is the only boiler to incorporate a compact internal power plant that captures and converts heat and steam lost in typical boilers into free electricity. Utilizing existing heating infrastructures, the boiler is an easy-to-install replacement solution that more than pays for itself over time by lowering a building's energy costs.

"We were thrilled to partner with the forward-thinking leaders at Shelbourne and join them on their journey to convert the former Fuller Brush factory into a more sustainable and energy-efficient office complex," said Dan Nadav, CEO of Enviro Power. "The SmartWatt boiler not only provides free electricity to the building, lowering energy costs, but it is an advanced system that delivers heat and hot water using the factory's existing infrastructure. With the combination of lowering on-site fuel consumption and reducing electricity consumption from the electric grid, we are reducing the carbon footprint here by 400 lbs. of CO2 per week."

With a mission to help commercial building owners in various sectors lower their carbon emissions, the boiler is installed and maintained at similar costs of a traditional boiler. Furthermore, the footprint of the SmartWatt boiler is comparable to traditional boilers, making it a natural replacement alternative that easily can be installed by in-house facilities teams. The system provides hot water to roughly 20,000 sq. ft. of office space. In addition to the free electricity produced, the boiler also is much more efficient than the building's previous heating system, using less natural gas and reducing carbon emissions.

“Enviro Power’s solution is a huge step forward as we work to make this historic building more energy efficient and reduce our carbon footprint,” said Shawn Paluska of Shelbourne Global Solutions, who purchased the building in 2020. “Enviro Power has produced a new technology which produces additional electricity for the building while seamlessly driving our heating and hot water system. It’s a win for the community, the environment, and the building’s efficiency.”

Enviro Power’s boiler generates near-zero cost, onsite electricity and continuous backup power while adhering to power load guidelines at the building and grid levels. The product is one of just a few commercialized hardware energy-saving technologies ready for mass production and deployment in existing and new commercial buildings.

Enviro Power recently achieved two major milestones – Intertek ETL certification of the SmartWatt Boiler and the start of serial production with its strategic partner Burnham Holdings, one of the largest boiler manufacturers in the U.S. Additionally, U.S. Senator Chris Murphy of Connecticut recently lauded the technology, naming Enviro Power a 2022 Innovator.

About Enviro Power

Enviro Power is an advanced climate technology company that is revolutionizing the multi-billion heating system replacement market by incorporating a mini power plant into its SmartWatt Boiler, allowing property owners to generate on-site electricity within their existing heating system infrastructures. Creating a Distributed Energy Resource platform, Enviro Power’s patented technology integrates a simple, low-pressure steam turbine into a condensing boiler structure. The product helps reduce carbon emissions at the same purchase, installation and maintenance costs as replacing a traditional boiler. The SmartWatt Boiler is also positioned to become hydrogen-ready for future production of CO2-free heat and power.

The company has partnered with Burnham Holdings, the national boiler manufacturing company, for production, distribution, and warranty. The energy-saving product qualifies for the IRS Code 48 investment tax credit

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