



nerej

Enviro Power and Windings are granted ETL Certification for SmartWatt Boiler

January 20, 2023 - Connecticut

Middletown, CT Enviro Power's SmartWatt boiler, which incorporates a mini power plant that was developed in partnership with Windings Inc., has achieved ETL certification under UL standards. The first commercial boiler that also produces electricity, Enviro Power's product previously earned Intertek ETL certification.

The UL (Underwriters Laboratory) seal affirms that the boiler has been tested to nationally recognized safety and sustainability standards. New Ulm, MN-based Windings, a firm with experience manufacturing small frame turbo equipment manufactures the power-producing, high-speed turbine generator inside the Enviro Power boiler. Burnham Holdings, one of the largest boiler manufacturers in the U.S. and Enviro Power's manufacturing and distribution partner, launched serial production of the SmartWatt boiler.

All three American manufacturers worked together to design a revolutionary new heating system that captures heat and steam lost in traditional boilers and converts it into useful electricity. Designed as a drop-in replacement for conventional heat and hot water system boilers, the SmartWatt boiler generates clean energy at 98% efficiency (HHV). All boilers are manufactured in the U.S.

Enviro Power selected Windings in 2020 as its partner to build the mini power-plant engine inside its boiler based on its longstanding reputation for developing quality solutions for critical applications. Windings created and tested the engine's prototype.

Utilizing existing heating infrastructures, the SmartWatt boiler pays for itself over time by lowering a building's energy costs. The SmartWatt boilers are efficient and use less natural gas than the traditional boilers they replace, helping building owners in various segments lower carbon emissions. The boiler is installed and maintained at similar costs of a traditional boiler. U.S. senator Chris Murphy of CT lauded the technology, naming Enviro Power a 2022 innovator.

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 for buildings ready for mass production and deployment. It has already been installed in apartment buildings, college dorms and other commercial buildings.

“Thanks to the great relationships and hard work with our partners, we’ve achieved ETL certification and have kicked off serial production of the SmartWatt Boiler,” said Dan Nadav, Enviro Power CEO. “We’re ramping up to bring this game-changing solution to building owners seeking to reduce energy costs and lower their carbon emissions.”

“We’re proud of how quickly we were able to bring the boiler to full certification,” said Robert Zaun, Windings director of strategic marketing. “We’re excited about our partnership with Enviro Power as we further expand our capabilities into the clean energy arena.”

New England Real Estate Journal - 17 Accord Park Drive #207, Norwell MA 02061 - (781) 878-4540