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SMART ENERGY MONITORING SYSTEM IS NEWLY PATENTED

PHILADELPHIA, PA, October 23, 2019 – The USPTO has granted a patent for a green innovation designed by a local inventor to boost air conditioning system performance. A part of the industrial Internet of Things (IoT), digi-thermo is deploying its new Digital Monitoring and Measuring Air Conditioner Recharging System as a smart energy solution in the U.S. and Italy to increase energy efficiency and sustainability for its customers' physical plant facilities.

By detecting and preventing refrigerant leaks, digi-thermo's patented system allows businesses to save on cooling costs while helping to preserve the environment. A mechanical engineer, CEO Marco Bonifaccino says of the patent (US 10,408,515 B2), "I'm proud to announce publication of this patented invention, and its commercial availability to our clients looking to improve their energy efficiency. This system works by using a smart sensor configured to be coupled to an AC outlet to measure airflow parameters, and in combination with a processor, determine AC performance and report refrigerant levels in real-time."

Leveraging wireless interconnected sensors in AC vents and a cloud-based IoT platform, this monitoring solution can transform any building into a smart energy property for a fraction of the usual cost. Installation takes only an hour and requires no maintenance. Building owners and facility managers appreciate access to an intelligent web dashboard for energy management that drives operational and energy efficiency.

Digi Charging Technology, LLC dba digi thermo is an Internet of Things company focused on green innovation via enhanced energy efficiency, with U.S. headquarters at University City Science Center on Market Street in Philadelphia, and another office in Varazze, Italy. The company offers building management services based on interconnected smart devices and innovative LongRange Wide Area Network (LoRaWAN) technology. It is committed to sustainability through green innovation in energy use that helps preserve our environment.