Energous Introduces Battery-Free e-Sense Tag, Establishing First End-to-End Wireless Power Platform for the Ambient IoT

June 24, 2025

SAN JOSE, Calif.--(BUSINESS WIRE)--Jun. 24, 2025-- Energous Corporation d/b/a Energous Wireless Power Solutions (NASDAQ: WATT), a leader in over-the-air (OTA) wireless power networks, today announced the launch of the e-Sense tag, a battery-free, maintenance-free wireless sensor for location and temperature monitoring in retail, supply chain, and logistics environments.

With the introduction of the e-Sense tag, Energous now offers a complete ambient IoT platform consisting of wirelessly-powered, battery-free sensors, RF-based energy transmitters, and cloud-based monitoring software. This integrated system enables uninterrupted, real-time visibility across supply chains without relying on batteries, manual maintenance, or conventional wired infrastructure.

The e-Sense tag operates using energy harvested from Energous' wireless power network. It features a compact 4x5 cm form factor; is fully encapsulated and waterproof; and is engineered for reuse in high-volume, operationally-complex environments.

The tag continuously reports temperature and location data to Energous' cloud platform and is optimized for retail, transportation, and cold chain applications. It is exclusively compatible with Energous PowerBridge® transmitters and offers cost savings benefits compared to conventional battery-powered alternatives.

"Adding e-Sense to our product portfolio positions Energous as a full-stack provider of wirelessly powered sensing and infrastructure solutions for tracking interconnected devices in the ambient IoT ecosystem," said Mallorie Burak, CEO and CFO of Energous. "This tag eliminates both the maintenance burden and environmental impact of batteries while providing enterprise-grade sensing and connectivity at scale – enabling businesses to bring intelligence to products, pallets, and packages in their supply chains at scale."

Sensor data from the e-Sense tag is transmitted to e-Compass, the company's secure, cloud-based asset intelligence platform. The platform offers real-time monitoring, device management, zoning, reporting, and support for historical data analysis. Built on AWS IoT Core, e-Compass supports enterprise deployments with tools for regulatory compliance, process optimization, and decision-making based on real-time environmental conditions.

The e-Sense tag further realizes the company's vision for an end-to-end ambient IoT solution. Together with Energous transmitters and e-Compass cloud software, it forms a system architecture that delivers persistent visibility, energy autonomy, and operational efficiency across large, distributed supply chains.

Ambient IoT enables a new class of connected devices that are smaller, lower-cost, and more sustainable than traditional, battery-powered sensor technologies. As global enterprises scale deployments to improve traceability, compliance, and automation, wireless power is becoming an essential layer of infrastructure. Energous provides the certified technology, deployment experience, and platform integration required to support these initiatives.

"Ambient IoT is reshaping how the physical world connects," concluded Burak. "The launch of e-Sense completes our end-to-end solution – bringing together wireless power, intelligent sensing, and cloud-based visibility into a single, scalable platform. It reflects our continued commitment to delivering the wireless, battery-less infrastructure required to support the real-time supply chain visibility that will transform industries."

About Energous Wireless Power Solutions

Energous Corporation d/b/a Energous Wireless Power Solutions (NASDAQ: WATT) is pioneering scalable, over-the-air (OTA) wireless power networks that enable unprecedented levels of visibility, control, and intelligent business automation. The company's wireless power transmitter and receiver technologies deliver continuous access to wireless power, helping drive a new generation of battery-free devices for asset and inventory tracking and management—from retail sensors, electronic shelf labels, and asset trackers to air quality monitors, motion detectors, and more. For more information, visit www.energous.com or follow on LinkedIn.

Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of the Securities Act of 1933, as amended, the Securities Exchange Act of 1934, as amended, and the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical fact included in this press release are forward-looking statements. Forward-looking statements may describe our future plans and expectations and are based on the current beliefs, expectations and assumptions of Energous. These statements generally use terms such as "believe," "expect," "may," "will," "should," "could," "seek," "intend," "plan," "estimate," "anticipate" or similar terms. Examples of forward-looking statements in this release include but are not limited to statements about the future of the global wireless charging industry and statements about our technology and its expected functionality. Factors that could cause actual results to differ from current expectations include: uncertain timing of necessary regulatory approvals; timing of customer product development and market success of customer products; our dependence on distribution partners; and intense industry competition. We urge you to consider those factors, and the other risks and uncertainties described in our most recent annual report on Form 10-K as filed with the Securities and Exchange Commission (SEC), any subsequently filed quarterly reports on Form 10-Q as well as in other documents that may have been subsequently filed by Energous, from time to time, with the SEC, in evaluating our forward-looking statements. In addition, any forward-looking statements represent Energous' views only as of the date of this release and should not be relied upon as representing its views as of any subsequent date. Energous does not assume any obligation to update any forward-looking statements unless required by law.

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