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veea ✕ energous ✕ wiliot

Revolutionizing Asset Tracking

A partnership between Energous, Veea and Wiliot merges Energous' innovative PowerBridge technology with Veea's Edge Platform and Wiliot's IoT Pixel tags, creating a groundbreaking ecosystem for supply chain optimization. With a commitment to innovation, Energous and Veea are not just offering a solution, but leading the way towards a connected, efficient, and sustainable IoT future.

Innovation Through Collaboration

Veea's Edge Platform's connectivity and computing capabilities enhance Energous' transformative PowerBridge wireless charging technology by enabling network connectivity and fostering actionable data collection for real-time processing at the edge. This synergy offers a novel, reliable solution for asset tracking, pushing boundaries in IoT efficiency.

Tag data is collected through PowerBridges over BLE and VeeaHubs are used as Internet Access Points (GWs) to transfer the data to Wiliot Cloud for data processing and event generation.

Benefits Across Industries

This alliance promises to revolutionize inventory management in retail, enhance patient and asset tracking in healthcare, and optimize digital supply chains in industrial settings, significantly reducing operational and capital expenditures.

The synergy of Energous' wireless charging technology with Veea's advanced connectivity and computing capabilities brings forth a new age of IoT efficiency. The PowerBridge technology, providing seamless, wireless power to IoT devices, pairs perfectly with Veea's Edge Platform. This integration not only ensures consistent connectivity but also enables real-time data processing at the edge. Wiliot's IoT Pixel tags, tiny yet intelligent, attach to physical assets, offering real-time, continuous tracking without the need for batteries.

By automating asset tracking, businesses can expect a drastic reduction in manual labor costs, directly impacting operational expenditure. The efficient management and utilization of assets lead to lowered capital expenditure, as better asset management reduces the need for frequent procurement.

Partners

- Veea Inc.
- Energous
- Willot

Highlights

- Real-time asset control & monitoring, including remote monitoring
- Enabling unprecedented inventory management, reducing stock discrepancies and offering up-to-the-minute inventory information to customers.
- Reduced Operational Expenditure (OPEX) and Lower Capital Expenditure (CAPEX)

Intelligently Connected™

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The fusion of Energous, Veea, and Wiliot technologies reaches its full potential through the power of edge computing, a cornerstone of this revolutionary partnership.

By processing data at the edge, close to where it's being generated, this integrated system dramatically reduces latency, enabling real-time decision-making and immediate responsiveness.

The edge computing capabilities of Veea's platform ensure that data from Wiliot's IoT Pixel tags is processed swiftly and efficiently, eliminating the time lag that could hinder operational efficiency.

The VeeaHub Family of Smart Computing Hubs

VeeaHub redefines edge computing, offering a versatile and powerful platform that seamlessly integrates IoT connectivity with real-time data processing. It's an all-encompassing solution designed for both indoor and outdoor applications, equipped with advanced features like multi-application processing, diverse connectivity options including Wi-Fi, Ethernet, and vMesh/ vBus support. Each VeeaHub model is uniquely tailored to enhance your edge network capabilities, backed by our intuitive VeeaWare software and cloud-based management tools for effortless deployment and operation.

All VeeaHubs share the same secure computing platform as well as Wi-Fi, Bluetooth, Zigbee, Matter, and Thread support with optional support for LoRaWAN and 4G/5G WWAN modules as well as storage expandability.

VeeaHub STAX
The Compact Powerhouse

VHE09 / VHE10
Powerful Connectivity

VHH09 / VHH10
IIoT's Robust Partner

| Model | Environment | Connect | | | | | | | | Compute | | | | | | |
| | | Wifi | | Ethernet | | Cellular and IoT | | | | Memory (DRAM) | | | | CPU | Storage | |
		Dual band	Tri-band	10 100 1G	2.5G 5G	4G	5G	LoRa	Bluetooth & Zigbee	2GB	3GB	4GB	8GB	GHz	Base	Expansion
STAX	Indoor		●			○	○				●			1.4	32 GB	Up to 2 TB (microSDXC)
VHE09		●				○		○		●		○				
VHE10			●	●	●	○			●			●	○	1.5		
VHH09	Outdoor	●				●		●				●	○			
VHH10			●			○		○				●	○			

● Standard   ○ Optional

→ **Learn More About Asset Tracking Solutions from Veea, Energous and Willot**
Find out how your organization can benefit by contacting us at sales@veea.com or by visiting **veea.com/resources**

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