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Fort Collins Startup Company Logimesh Technologies Receives ‘Best Technology Development of Energy Harvesting’ Award



FORT COLLINS, CO – [Logimesh Technologies](#), a Fort Collins based technology company focused on developing an intelligent wireless sensor system for the Oil and Gas industry was awarded the “Best Technology Development of Energy Harvesting” award at the IDTechEx "Energy Harvesting and Storage USA" conference in Washington, DC.

The IDTechEx conference is the world's largest conference covering the very latest developments in energy harvesting, a process of capturing and storing energy to operate autonomous devices like wearable electronics and wireless sensor networks. “For Logimesh to walk out winning this award gives significant validation to their technology,” said Mike Freeman, Rocky Mountain

Innosphere CEO. “Their engineered solution for intelligent remote monitoring is what the market needs and values.”

“We’re very excited to have Logimesh as an Innosphere Client,” said Doug Johnson, VP of capital access at the Innosphere. “Not only is their company very driven to keep high tech jobs here in Colorado, but their technology even beat out Intel and GE last week when they were nationally recognized.”

Logimesh Technologies, LLC is focused on the development of an intelligent wireless sensor platform which will provide a ‘Big Data’ predictive analytic solution for the Oil and Gas industry to remotely monitor the health of engines and compressors in oil and gas field such as the Wattenberg Field on the Front Range. Outfitted with a low-power microprocessor, the device not only provides a real-time snap shot of the engine health by measuring temperature and vibration, but the actionable data can potentially save companies millions of dollars of unplanned maintenance costs and lost production revenue. It is also possible for the

industry to continuously monitor flow rates, tank level and water quality of produced water and frac water from oil and gas wells.

Logimotes™ are small, self-powered electronic sensor devices that can be easily installed onto engines and compressors to track critical machine health attributes and provide real-time gas and oil production information. Logimesh is using ground breaking High Energy Cell (HEC) technology from [Infinite Power Solutions](#) (Littleton, CO), coupled with a thermoelectric generator (TEG), to turn waste heat from the engine into usable voltage and provide sustainable power to the Logimotes. The HEC technology features a 4-volt rechargeable solid-state chemistry that delivers high power, ultra-low self-discharge rate and long life for permanent battery implementations.

Bringing this HEC + TEG technology to the oil and gas industry is what makes Logimesh unique and at the forefront of energy harvesting technologies. “Up to 16 Logimotes are installed on each engine, providing a snap shot of the engines health every 10 seconds,” said Bill Gillette, founder and CEO of Logimesh. “The real-time measurement and constant flow of ‘smart data’ is what makes the technology so valuable. The predictive nature of the data makes the information actionable, potentially saving companies millions of dollars of unplanned maintenance costs and lost production revenue.”

For more information contact Mike Freeman, CEO, Rocky Mountain Innosphere (970) 818-7736.