



## **PETASENSE ACCELERATES INDUSTRIAL IOT AND SIMPLIFIES PREDICTIVE MAINTENANCE WITH ELECTRIC IMP'S SECURE IOT PLATFORM**

LOS ALTOS, Calif. – October 23, 2017 – [Electric Imp](#)®, Inc., a global leader providing enterprise secure IoT, today announced that [Petasense](#), an innovative Industrial IoT startup headquartered in Silicon Valley, has been utilizing the Electric Imp IoT Platform to successfully accelerate the development of its machine learning based predictive maintenance technology. The Electric Imp IoT Platform, which features secure connectivity, scalability and lifecycle management, has enabled Petasense's industrial customers to harness the power of predictive maintenance at a fraction of the cost and complexity.

Petasense's technology features the [Mote](#) – a wireless, triaxial vibration sensor – which embeds Electric Imp technology for WiFi connectivity. The Petasense and Electric Imp clouds integrate to collect vibration sensor data, so that it can be trended and analyzed using machine learning algorithms.

Petasense recently announced it logged more than two million sensor measurements comprising 25 billion vibration readings. This increase in data insight is enabling their customers to make informed maintenance decisions, schedule repairs, distribute loads and improve overall reliability.

“Although predictive maintenance technology has powerful advantages, it has historically been limited in applicability by the complexity and cost of deployment,” said Hugo Fiennes, CEO at Electric Imp. “By building on our secure IoT Platform, Petasense was able to simplify the deployment and lifecycle management of its predictive maintenance sensors, while reducing upfront costs by up to 50 percent – a savings that can be passed down to customers.”

In addition to robust end-to-end security, the Electric Imp integration enables secure over-the-air updates for simplified lifecycle management. Helping to curtail development costs, Electric Imp's existing operating system (impOS) and cloud services eliminated the need for Petasense to hire a team of embedded engineers.

“Electric Imp's connectivity and security expertise allows us to focus on our core strengths, which are the design of hardware sensors and development of core prediction software,” said Abhinav Khushraj, co-founder of Petasense. “The Electric Imp Platform supports reliability and security by design, and provides a host of powerful advantages that allowed our team to dramatically reduce the time and cost of embedded software development.”

The Petasense solution embedded with the Electric Imp platform is already being implemented by a [Jones Lang LaSalle Incorporated \(JLL\)](#) facility to monitor critical HVAC equipment. The Industrial IoT and machine learning technology makes it possible for JLL to continuously monitor, analyze and predict equipment health with actionable diagnostics in real time. As a result, JLL is able to make informed business decisions within minutes that translate to massive productivity gains and cost savings.

“Petasense delivers on-demand predictive maintenance at a disruptive price point,” said Sean O’Connor, reliability engineer at JLL. “They are simplifying Industrial IoT by making use of wireless sensing and machine learning. It is big data without big problems.”

To learn more about the JLL case, please visit: <https://petasense.com/jll-invests-in-machine-learning-and-industrial-iot-to-maximize-equipment-availability/>

### **About Electric Imp**

Electric Imp helps more than 100 manufacturers and enterprises transform the world through the power of secure IoT connectivity. Over a million devices have been built with our highly secure platform as a service, with devices deployed and managed in 105 countries. Our unique solution - featuring fully integrated hardware, OS, security, APIs and cloud services purpose-built for the IoT - dramatically decreases cost and time to market while increasing security, scalability, and flexibility. The Electric Imp platform enables innovative commercial and industrial applications and empowers manufacturers to manage and quickly scale their connected products and services to millions of users. Electric Imp, founded in 2011, is located in Los Altos, California, and Cambridge, England. For more, visit <https://electricimp.com>.

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