ThingPark IoT Solutions

Energy Monitoring and Optimization

The turnkey IoT solution to automate the monitoring of your assets' energy consumption.

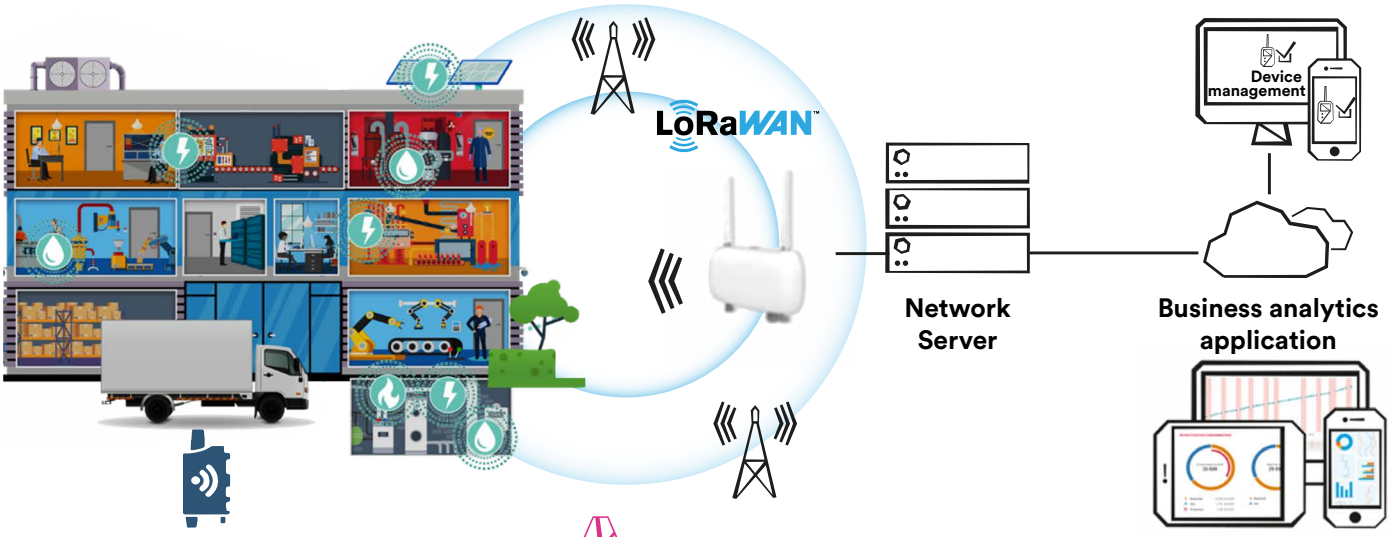
This Energy Monitoring Solution allows industrial site managers to **determine the energy spending of in-service equipment** through **identification of consumption patterns,** in order to **optimize equipment operation and reduce costs.** This evaluation starter kit provides you with the required hardware, software, and connectivity service to assess this **integrated plug-and-play solution.**

adeunis WIRELESS PRODUCTS & SOLUTIONS

opinum

Actility

Identify precisely how, when, and where the energy is being consumed and implement energy saving measures!



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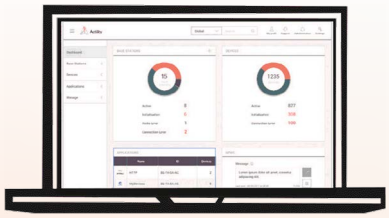
Pulse/Modbus IoT Sensor by Adeunis

Adeunis IoT sensors connect to any industrial equipment to be monitored and controlled. Transforms any meter into smart wireless meter (water, gas, electricity, thermal). The Modbus interface enables a wireless retrofitting solution to any legacy equipment such as Electrical automates, Pumps, Valves and Control Machines.

ThingPark Enterprise LoRaWAN® connectivity infrastructure by Actility



Dependable connectivity infrastructure with a proficient UX to easily build a LoRaWAN® network, Cloud-based or On Premises, using pre-integrated high-end outdoor or indoor Base Stations & an advanced Actility Network Server with dashboards providing key operational insights on the network & alarm management.

Opinum Data Hub Application for data processing and analysis

Centralized in one single place, entire energy data is visualized and analyzed for detection of abnormal energy usage with meaningful dashboards. Automated procedures produce detailed reports, through predefined rules alerts when an equipment is over consuming energy and more.

Automate the collection of consumption data to understand and visualize the energy profile of the equipment and the building.

Define objectives to be achieved/KPIs (Key Performance Indicators) and improve your energy budgeting.

Optimize the organization through better capacity usage, reduced maintenance or labor.

Key features:

Practicality: Centralize all your water and energy data in one place in one central location and digitize your operations for energy efficiency.

Adaptability: Sensors are directly connected to any machine or gas, water and electricity meters, with programmable frequecy of data communication. An integrated Modbus interface allows to manage up to 20 machines through a wired bus connection.

Low-Power: Leverage LoRaWAN® technology, optimize assets energy consumption and lower your operational costs .

Easy usage: Available as on-premises & cloud-based application. Manage your installation from one single application dashboard with easy accessibility, usability, management & control.

Data-driven management: Opinum Data Hub is designed specifically for energy and environmental actors, it includes built-in industry-standard rules, capabilities, and analytics, which enable customers to leverage their data more precisely, quickly, and securely.

Use cases:

This end-to-end IoT Solution, designed for building managers and industrial end customers, **does not require the implementation of heavy infrastructure.** It can be used in **any industrial zone: factories, airports, ports, hospitals,** etc., allows to monitor the evolution of energy consumption of any machine, to detect points of over-consumption, in order to reduce energy costs, improve energy efficiency and optimize the organization. For water consumption, the alert function for overconsumption indicates **potential leaks.**

Build your IoT Solution with us!

Get your starter kit on ThingPark Market, or contact Actility to learn more