

ThingPark IoT Solutions



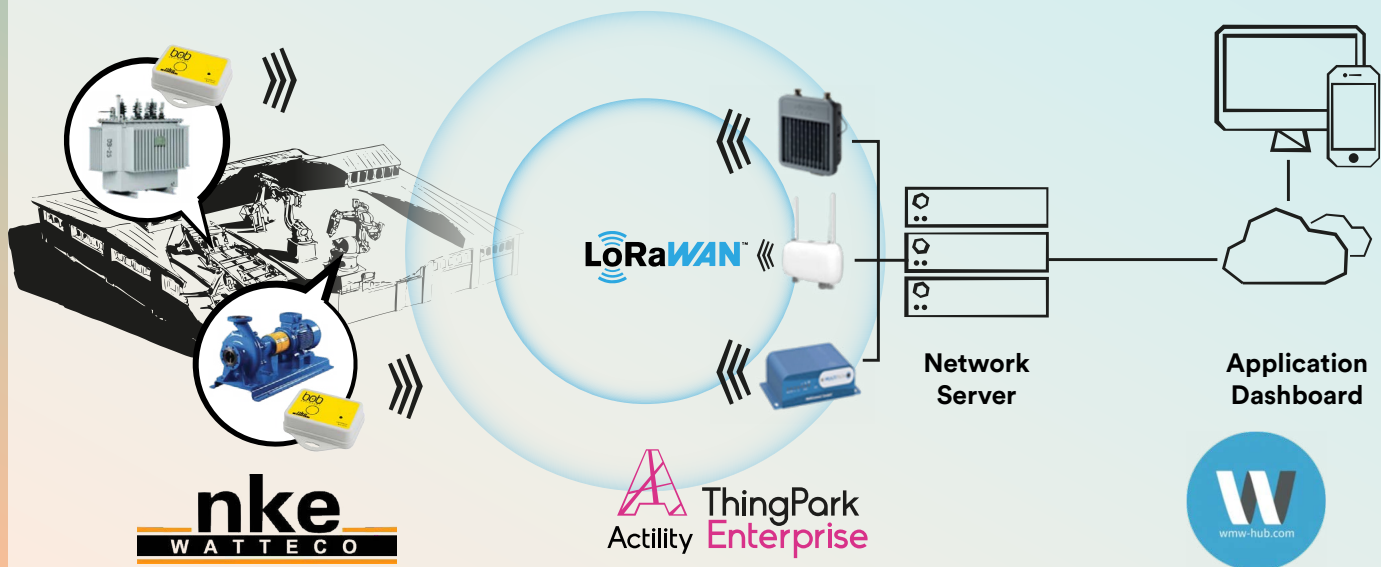
Vibration Monitoring for Predictive Maintenance

The turnkey IoT solution to monitor your machines 24/7.

This Predictive Maintenance solution allows to analyze data from sensors measuring vibrations frequencies of machines and equipment in order to detect anomalous behavior and predict possible failures, therefore enabling industrial end customers to decrease machines shutdowns and work accidents while increasing performance and safety. This evaluation starter kit provides you with the required hardware, software and connectivity service to assess this integrated plug-and-play solution.



Monitor your industrial machinery with AI-powered predictive maintenance solution and LoRaWAN®



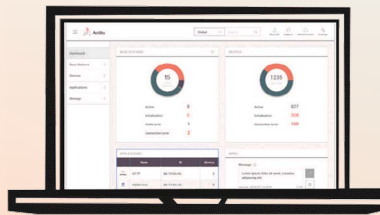
“BOB Assistant” IoT sensor



Description:

A powerful artificial Intelligence IoT sensor, retrofitted with the industrial assets to constantly monitor their conditions. Simple to install wireless device who collects and analyzes real time data regarding current health of the assets. The collected data is compared with normal behavioral threshold values to detect or predict malfunctions.

ThingPark Enterprise LoRaWAN® connectivity infrastructure



Description:

ThingPark Enterprise provides a dependable connectivity infrastructure with a proficient UX to easily build a multi-gateway LoRaWAN® network and feed data to IoT applications. ThingPark Enterprise dashboards provide key operational insights & alarm management.

WMW Application for data processing and analysis



Description:

WMW Hub is a one single centric HMI/UI application dashboard acting as an end-to-end central control unit for managing the plant operations. Data is made available real-time and user-role management, report generation, rules and alerts can be customized as per the requirements.



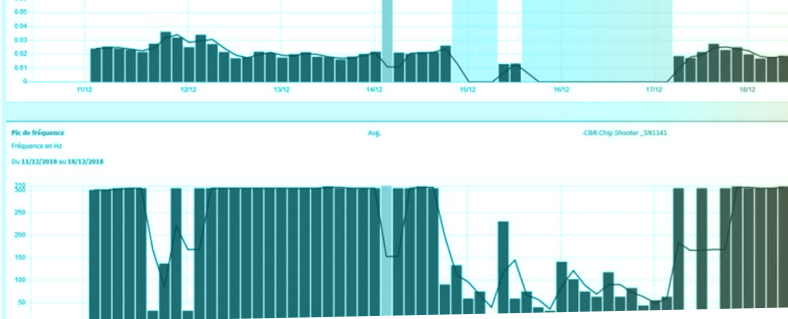
Remotely monitor hundreds of different machines types in a unified portal



Identify and prevent failures before actual operation begins, reduce downtime and costs



Optimize capacity, reduce maintenance, manpower and make better energy planning with pre-defined targets & KPIs



Use cases:

This end-to-end IoT Solution designed for industrial end customers requires zero infra, zero cabling, and zero configuration. It alerts you in real-time on the operating status of your machines with a permanent monitoring of vibrations and recorded temperatures of any of your isolated systems, such as:



Compressor



Combustion Engine



Chiller System



Transformers



Generator



Pump



Power Supply



Machine Tool

Key features:



Real-time on-device analysis: Enjoy a device micro controller (MCU) embedding an algorithm which avoids additional cloud-based analytics, expensive and complicated processing.



Machine-agnostic: Monitor any type of vibrating machines, with a smooth retrofit of your legacy machinery, with no supplementary HW interfaces.



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 - Data is continuously ingested and analyzed to provide relevant reports and alerts, making sure to drive your maintenance operations based on data.

Build your IoT Solution with us!

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

