



ASYSTEM

Universal Smart Monitoring Solution
for Predictive Maintenance

Smart maintenance
monitoring solution
provider

Failure prediction
and throughput
enhancement.

Industrial IOT



*“Autonomous and scalable solution for
smart maintenance of equipment”*

WHAT DOES ASYSTEM PROVIDE?

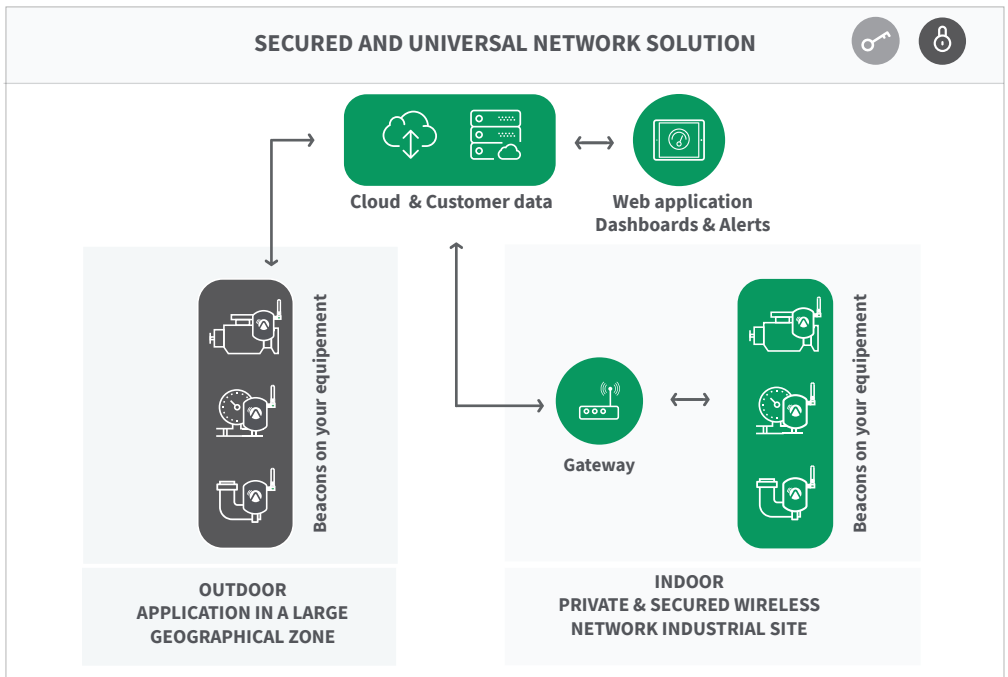
Asystem provides **AsystemPredict**, a turnkey, universal and autonomous predictive maintenance solution for industrial equipment.

Designed for anomaly detection based on machine learning, Asystem has created a universal solution to monitor machines of different ages and designs, without constraints of installation and deployment. This technology is scalable, non-intrusive and works independently from the existing infrastructure.

AsystemPredict can monitor virtually any system in real time, compute drifts due to wear or detect anomalies like leaks or electrical faults. It helps preventing failures and the related costs of a production stoppage.

Combining Edge computing and Cloud Server technologies :

- Powerful, connected and autonomous multi-sensor beacons that collect and analyze equipment's operating data.
- A cloud service, fed by the network of beacons' data via a secured LoRa (Long Range) network.
- A web-based visualization platform helps to view global and detailed view of your machines' state.
- Self-learning
- Remotely adjustable settings



PRODUCT BENEFITS



Turnkey

A full turnkey solution from sensor to cloud including support for data visualization, alerting and in-depth analysis.



Indoor & outdoor

Data transmission is ensured in all types of indoor and outdoor environments (km range).



Intelligent monitoring machine operations

Our innovative monitoring solutions help you optimize your machinery fleet and detect drifts or failures at their earliest stage.



Wireless

Secure short and long range wireless data communication. Ready for zero customer IT involvement.



Easy-to-use

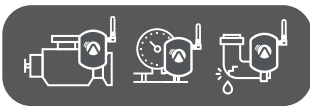
Non-intrusive, once installed on the equipment, our sensors are set-up in minutes thanks to their auto-learning feature. They are fully managed through the application.



Small & Autonomous

Our beacons are palm-sized, providing significant flexibility for placement and are energy-efficient, allowing years of operation on battery.

ASYSTOMPREDICT : A TURNKEY SOLUTION



AsystemSentinel
multisensors Device
positioned on your
equipment

+



+



+



AsystemLoRa and cloud server

AsystemView
access to your
visualization and
alert platform.

Full of features & easy to use

www.asystem.com

USE CASES PORTFOLIO

COVERING BOTH CONTINUOUSLY RUNNING AND **CYCLE-BASED MACHINES**
From Simple to **Complex** Usecases

SMART BUILDING

HVAC
Heating
Ventilation
Air conditioning
Elevator
...



SMART INDUSTRY

Motors
Valves
Pipeline Leaks
Compressors
Conveyors
Production lines
Industrial robots
Dryers
Cleaners
Decanters
Centrifuges
Crushers
...

Asystem solution benefits :

- Reliable and high-quality data collection thanks to powerful computing platform and pre-analysis of data collected.
- Multi sensors capability enabling cross-measurements for better failure prediction
- Drift monitoring of machine state relative to an initial reference signature.
- Monitoring of the environmental aggressions undergone by an equipment.
- Autonomous and secure data transfer. Storage in a dedicated cloud.
- Visualization of data analyzed and processed in real time on personalized dashboards.
- Alerts and notifications remotely configurable for quick adjustment response in case of failure detection.

Contact

+33 (0)468 940 314
info@asystem.com

More info on :

