

PYEX-WLT

Industrial grade wireless LoRa transmitter



Features

WIRELESS FOR INDUSTRIAL APPLICATIONS

Industry grade turn-key solution for cost efficient wireless measurements.

Fast and simple set-up also for retro-fit and temporary installation.

Reliable, long range, low power wireless data communication with excellent immunity to interference even in high demanding circumstances.

SMARTER MAINTENANCE FOR BETTER PRODUCTIVITY

Prevent, detect, locate and diagnose problems and failures faster and more efficiently.

Optimise inspection and maintenance intervals, conditions, product life-cycle and warranty costs based on real time measurement.

Get more insight with more data - temperature, humidity etc.

FUTURE-PROOF FLEXIBILITY

Use as stand alone solution or to be integrated into existing automation systems.

Scale-up for new sensors, locations and monitoring options.

Simple web-based access to real time data, trends and measuring set-up any time, anywhere, also with mobile devices.

Certification

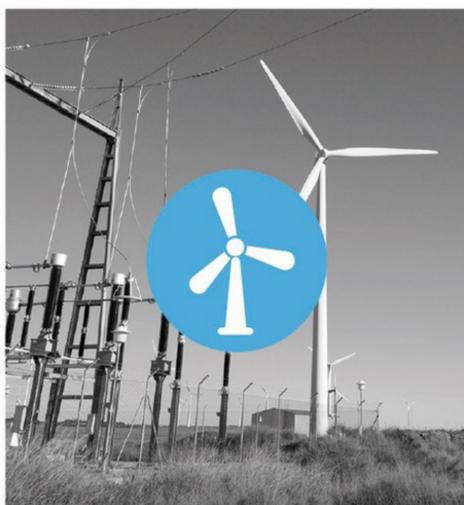


Application references

Detecting the reduced efficiency in heat exchanger with remote and automated temperature measurement

Problem diagnostics and proactive maintenance for pumps and gears with wireless temperature, pressure and vibration measurements.

Monitoring and improving energy efficiency in surface heating systems



Components



Wireless LoRa transmitter

Encrypted wireless LoRa communication. LoRaWAN certified.
Energy efficient LoRa 920-923 MHz transmitter using LoRaWAN protocol.
3.6V nominal 8.5Ah Lithium primary cell battery or external 5V DC power supply.
Long range, low power and excellent immunity for external interferences.
1 to 3 sensors per transmitter. (temperature, humidity)
Configurable measuring interval and alarms.
Outstanding signal transmission distance typical 100m indoor, up to 10km outdoor.



Wireless gateway and monitoring

Data routing (4G / 5G / Ethernet) to LoRa transmitter cloud or any other system.
Real time monitoring, alarms and history data anywhere with any web-enabled device.
Configurable dashboard views and measuring parameters.



Wireless LoRa transmitter temperature sensing kit

Completed measuring sets according to needs and conditions.
Includes sensors, transmitters, batteries, antennas, housing and other required components.
Pre-configured and ready-to-use for immediate wireless measurements and monitoring.
Unlimited lifetime with solar power option.
Smart power saving and self-diagnostics.

System configuration

