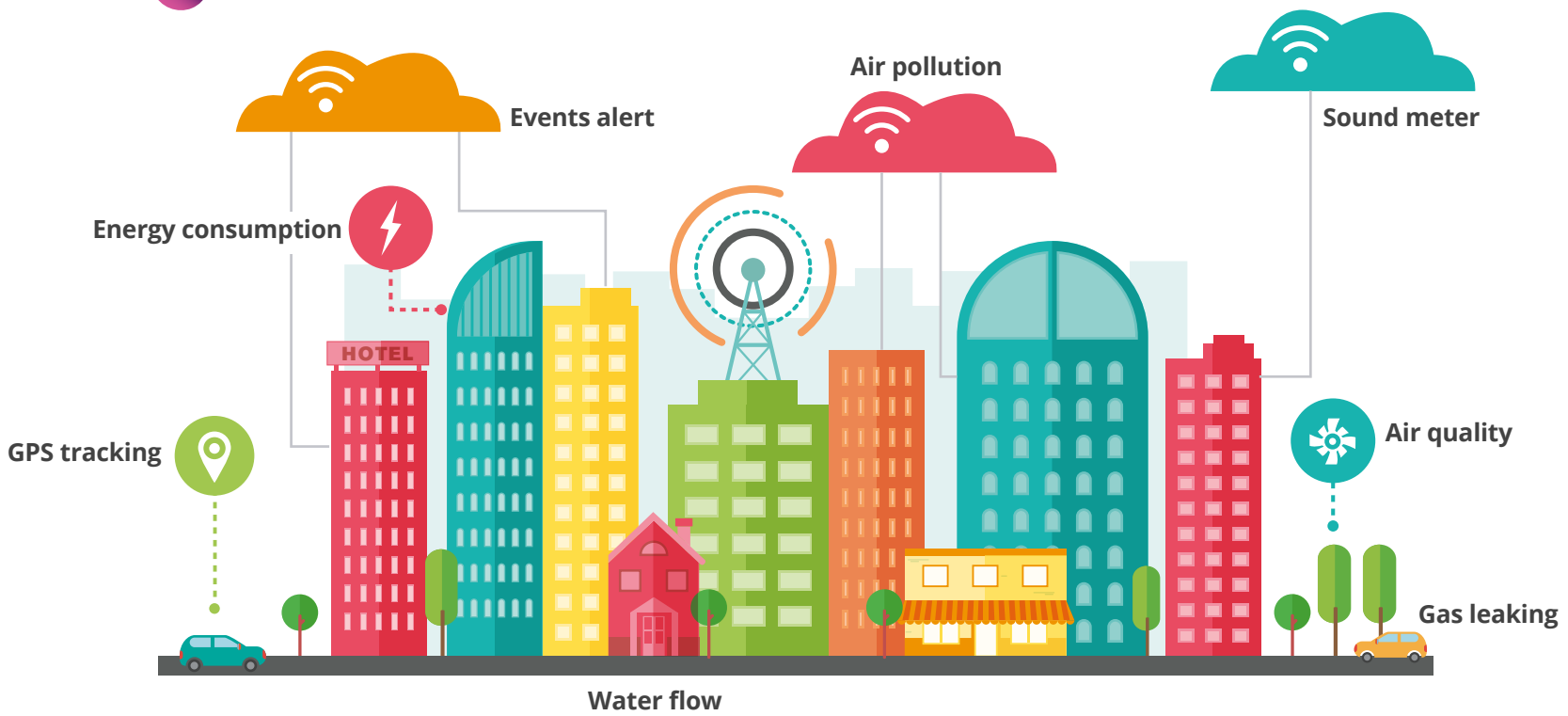
Smart city solutions

Max4 IoT

Max4 TECHNOLOGIES

www.max4iot.com

Max4IoT



Smart manufacturing

Digital factory
Smart city
Big data

How the system works

1. IOT Devices are installed on desired site, we are taking as an example Sound Level Monitor, were you can install the device outside a night club, main avenue, restaurant, music halls, stadiums, and many others.

2. Device will send data each 30 seconds to the Getway, (for these king of devices they are AC connected or solar powered).

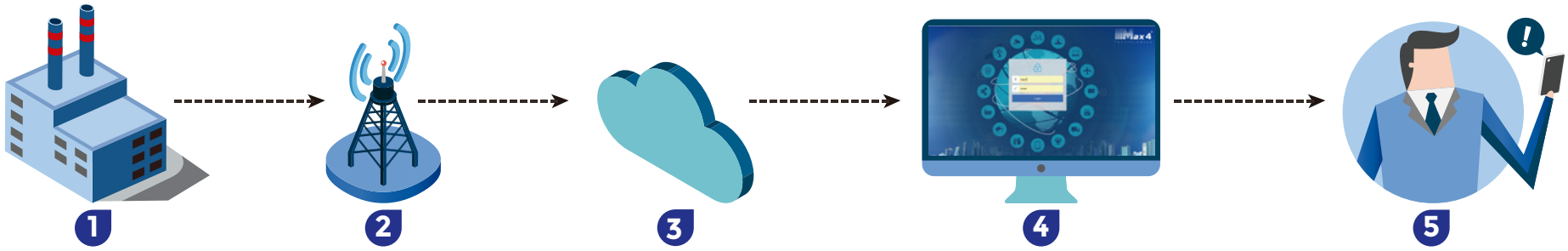
3. Getways will send Payloads to the server, where it will be stored and analyzed by the end App.

4. Max IOT Platform will analyze sound level or any kind of data depending on the device and compare it with triggered events previously set up by the user, all the data will be shown on a graph.

5. If the data triggers and Event, excessive DB level on the example we are using the Application will show an Alert on screen and Send up to 3 SMS alerts to the numbers defined by the user.

Benefits

- Artificial intelligence ready
- Confiability
- Stability
- Multi-users and web link
- Supports unlimited devices
- Smart data
- History records
- Real time data
- Low cost
- Custom design on demand



dB Sound Monitor

Noise Pollution monitoring system "dB Sound Monitor" is a device dedicated to the measurement of noise levels in urban or industrial areas. Uses LoRaWAN to sent data to a web platform. It performs hight quality noise level measurement in night clubs to prove that they are operating within the laws of the city.

The "dB Sound Monitor" features a high-sensitivity microphone thatcaptures ambient noise and digitally processes it to perform noise level measurement.

Benefits

- Ultra low cost
- Sound pollution
- Real time alerts
- Real time solutions
- Turnkey solutions

Features

EU 863 to 870 MHz
US 902 to 928 MHz

- Size 120 x 96 x 46 mm
- Operating voltage 9Vcd @ 24Vdc @ 750mA
- 915 MHz LoRa Transceiver
- Omnidirectional microphone
- Optional backup battery with solar panel
- Coverage of up to 15 km in line of sight and 5 km in urban area
- Frequency range 100 to 10000 Hz

Air quality

Benefits

Air Pollution monitoring system is a device dedicated to the measurement of the Co2 tvoc levels in the air, it can be used in urban or industrial areas. Uses LoRaWAN to sent data to a web platform. it performs hight quality measurement.

- Ultra low cost
- Real time alerts
- Real time solutions
- Turnkey solutions
- Air quality reports for smart cities

Features

EU 863 to 870 MHz
US 902 to 928 MHz

- Total Volatile Organic Compound (TVOC) sensing from 0 to 1,187 parts per billion
- CO2 sensing from 400 to 8,192 parts per million
- Humidity Range: 0–100% RH, =-3% from 20–80%
- Temp Range: -40C to 85C
- Pressure Range: 30,000Pa to 110,000Pa, relative accuracy of 12Pa, absolute accuracy of 100Pa
- Altitude Range: 0 to 30,000 feet (9.2 km), relative accuracy of 3.3 feet (1m) at sea level, 6.6 (2m) at 30,000 feet

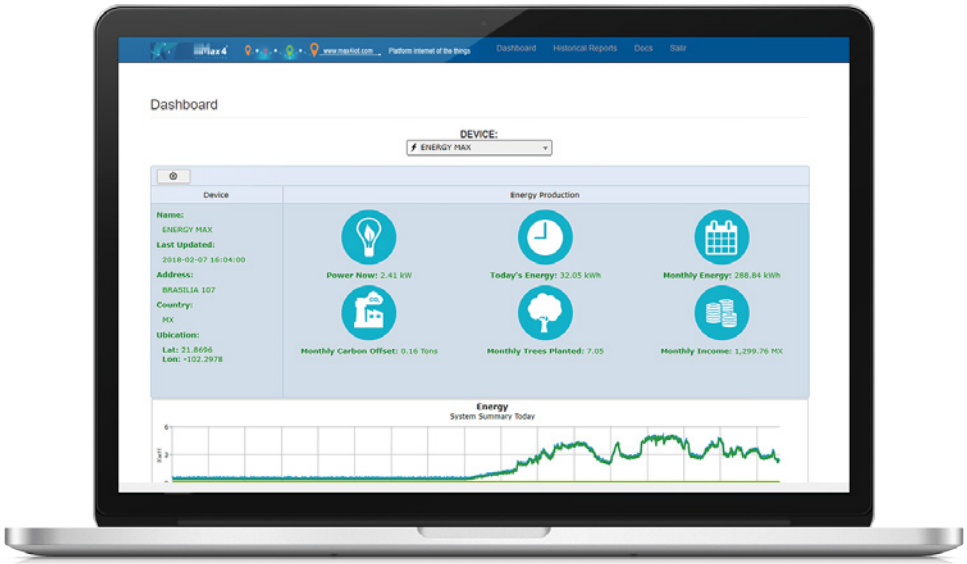
Energy Monitor

The Max4 Technologies® Energy Monitor is a device dedicated to the measurement of current passing through a cable through a non-invasive form. Uses LoRaWAN to transmit data to a web platform.

The Energy Monitor features three non-invasive current sensors with a readability of up to 30 amps (expandable up to 1000 A) and a digital temperature sensor.

Benefits

- Ultra low cost
- Display real time energy consumption
- Real time alerts
- Real time solutions
- Turnkeys solutions



Features

EU 863 to 870 MHz
US 902 to 928 MHz

- Size 102 x 73 x 55 mm
- Operating voltage 9Vcd @ 24Vdc @ 750mA
- 915 MHz LoRa Transceiver
- Temperature sensor range from -55 to 125ºC
- Transient non-ivasive current sensor with range up to 30
- Coverage of up to 15 km in line of sight and 5 km in urban area
- A diameter of the cable suported by the current sensor 10mm
- Expandable up to 100 Amps and bigger wire diameter

Sensor Monitor

The digital sensor monitoring system "Sensor Monitor" is a device dedicated to the detection of digital signals emitted by any type of sensor, such as presence sensors, smoke detectors, magnetic sensors for doors etc. Uses LoRaWAN to transmit data to a web platform.

The "Sensor Monitor" has quick connectors for easy attachment of any type of digital sensor.

Benefits

Ultra low cost
Real time alerts
Real time solutions
Turnkey solutions

Features

EU 863 to 870 MHz
US 902 to 928 MHz

Size 103 x 77 x 28 mm
Operating voltage 9Vcd @ 24Vdc @ 750mA
915 MHz LoRa Transceiver

Trhee inputs or events to detect

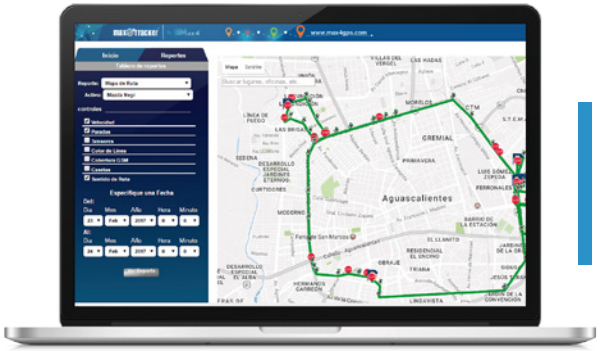
Coverage of up to 15 km in line of sight and 5 km in urban area

Compatible with 9, 12 or 24 Vdc Sensors

The Max4 GPS Tracker "Vehicle Tracker" is a device made to track in real time any vehicle, designed to be installed inside the vehicle in a hidden way. Uses LoRaWAN to transmit data to a web platform.

Capable of sending data from 30 seconds to 1 times a day as the client requires. Has internal battery in case it is disconnected from the vehicle after theft with an autonomy of approximately 2 days sending data every 10 minutes. The "GPS Tracker" also has the possibility of integrating a panic button and a relay for remote shutdown of the vehicle.

GPS Tracker



Benefits

Ultra low cost
Real time alerts
Real time solutions
Turnkey solutions
Report time up to 30 seconds

Features

EU 863 to 870 MHz
US 902 to 928 MHz

Operating voltage 9Vcd @ 24Vdc @ 750mA
915 MHz LoRa Transceiver

Report time from 30 seconds to 1 time per day

Coverage of up to 15 km in line of sight and 5 km in urban area

Backup battery

Max IOT platform

It is an IOT Platform in which you can manage all kind of Devices, it's designed to work with all Max4 devices and 3rd party devices like Everynet Touch tag, Global Sat GPS, etc.
Its designed to graph all data and generate historic reports.

Max IOT its connected to our SMS alert manager, you can configure triggers and events to send alerts, If an event happens IOT platform generates on screen, Email and SMS Alerts. You can send Alerts to three different contacts and keep up with your devices on real time.

Our partners

LoRa™ MICROCHIP Google everynet myDevices sigfox

Our objective

To develop turnkey solutions from software, hardware and ready to work solutions.
Focused on IoT.

Our principles

Innovation
Compromise
Loyalty
Honesty
Attitude for service

Who we are

Max4 Technologies is a dynamically growing company with a strong base on technological development. We focus on creating top edge solutions in software and hardware for service providers around the telecom and IoT industries. with over 12 years of experience we have implemented different projects around the world, from vehicle tracking applications, sound metering solution, SMS platforms.

Quote TODAY

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