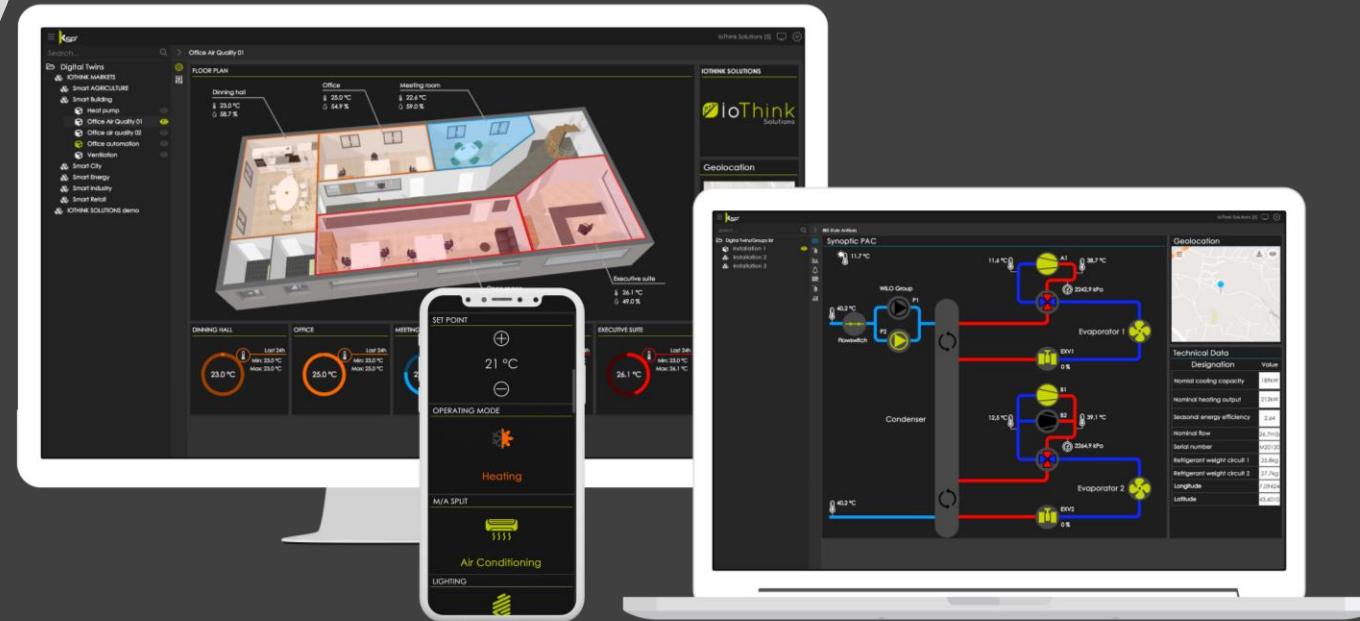


NW TECS
AUTOMATION FOR ALL

Smart Solutions for your Assets
Properties , Buildings, Apartments ,
Offices

Solutions that **centralize , control and Automates** all your Property and Building Intelligence inclusive of Safety, **MEP and Automation**



How does it works

Secured connection

Collect

IoT, GTB/GTC/M2M

Connect

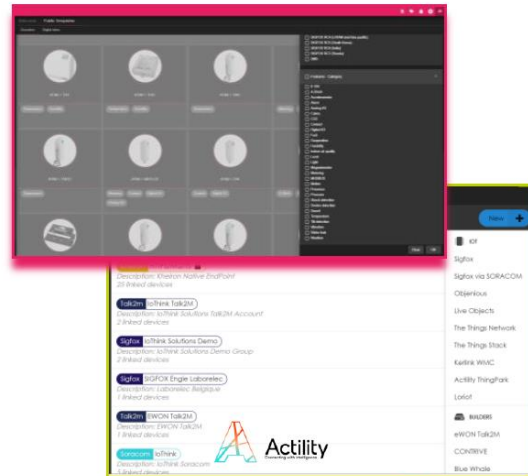
Flow agregator

Monitor, Control, Analyse

Agnostic Platform, Dashboards, reports, alerts, Analysis



LoRaWAN



INTEGRATION (System, IT)

Standard dashboards

All the dashboards come with the standard features:

- Real time display of values
- Define thresholds
- View curves / Trends in real time and history
- Make Excel/pdf extraction of data
- Get **alerts** by email or SMS
- The list and history of **alerts**
- Settings dedicated to the use cases and sensors
- API Rest available



Monitoring of connected buildings

Features spread over several models Humidity

> Monitor, Automate and Control all your properties and buildings from a single interface (some examples):

- ✓ Temperature
- ✓ Humidity
- ✓ Smoke detection
- ✓ CO2
- ✓ Fine particles
- ✓ Carbon monoxide
- ✓ VOC
- ✓ Presence
- ✓ Monitoring of energy consumption
- ✓ Leak detection
- ✓ Intrusion alert
- ✓ Parking

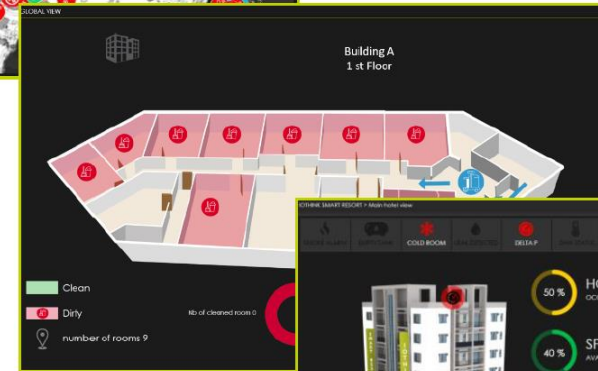
> Monitor Automate and Control your Homes and Offices from one interface and give access to your tenants



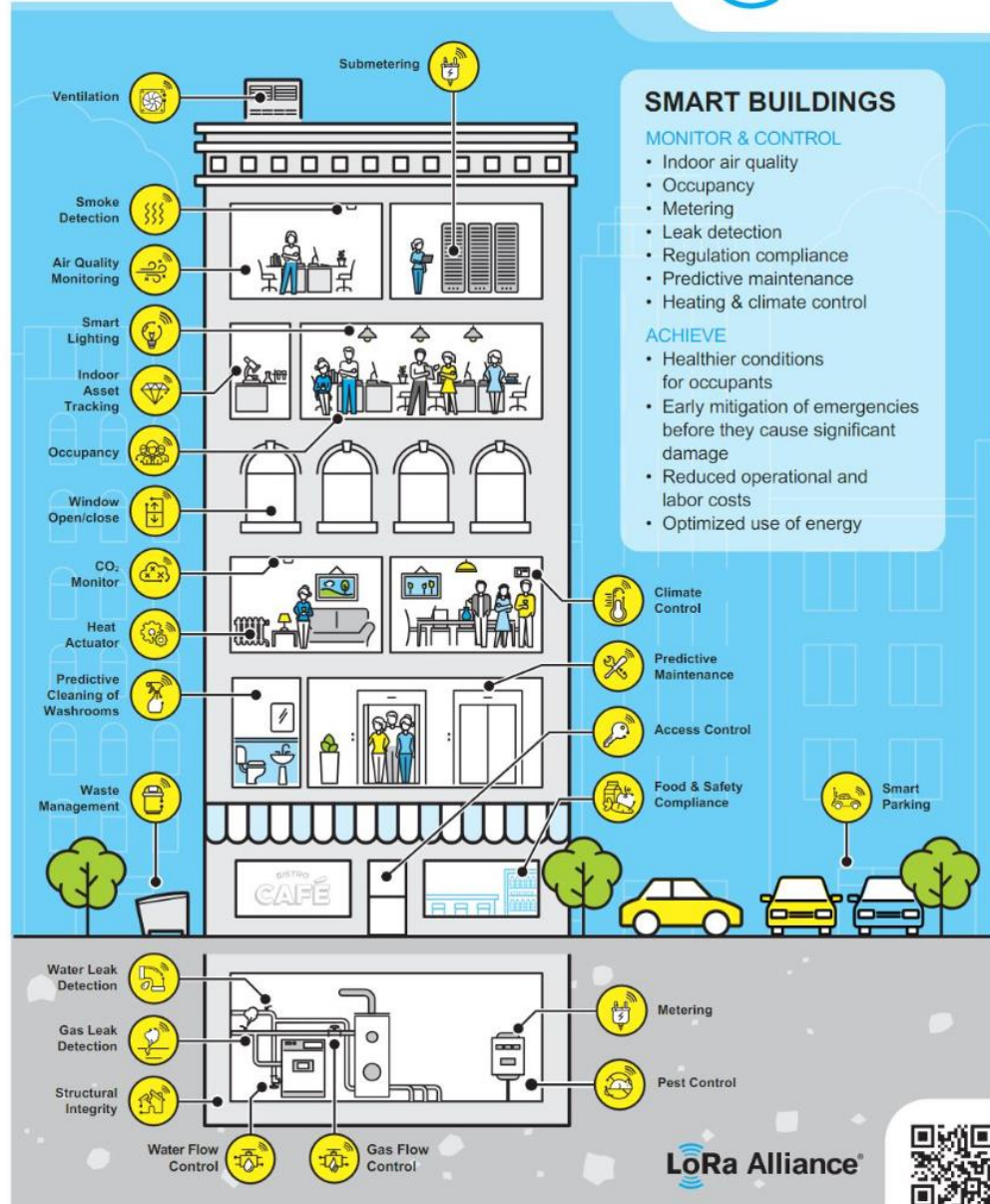
Customization

The Kheiron Studio platform offers a strong capability of customization

- Group views
- Synoptics
- Tables
- Variables
- Automation Scripts
- Specific settings
- ...



BUILDING INTELLIGENCE WITH LoRaWAN®



For Buildings / Property Owners / Facility Managers

Technical Benefits

- Low asset deployment cost:
 - The star network architecture with sensors communicating with a gateway from a range of up to 20 km. Multiple building can be covered with one gateway and no need for complex coverage analysis as required for mesh network solutions.
- The ease of installation: Battery-operated sensors lasting up to 20 years depending on the application being used.
- Secure : AES-128 encryption is built-in.
- Open Standard: LoRaWAN specifications are publicly released by the LoRa Alliance.

Business Benefits

- Available Today
- Low deployment and operational cost
- Open network allowing buildings to plug existing devices and add new devices to choose different service providers or to deploy their own network deploying multiple applications and leasing connectivity to third parties (Public or private companies).



Comprehensive Suite of Smart Home Products

- **Over 25 product categories** including motion sensors, window and door sensors, roller shade controllers, light bulbs and switches, etc.
- **500+ technology patents** that include controllers, wireless ultra-low power sensors, gateways, and energy harvesting technologies
- **10+ million activated devices**



Some Examples

Indoor air quality sensor



Price : 325 €
Price : 1291 AED



For :

- School/High School/College/Industry/ Public Area
- Professional Offices
- ...



- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports

USE CASE : AIR QUALITY

Features spread over several models:

- ✓ Humidity
- ✓ Temperature
- ✓ Smoke Detection
- ✓ CO2
- ✓ Fine Particles
- ✓ Carbon Monoxide
- ✓ COV
- ✓ VOC



Smart Thermostat



For :

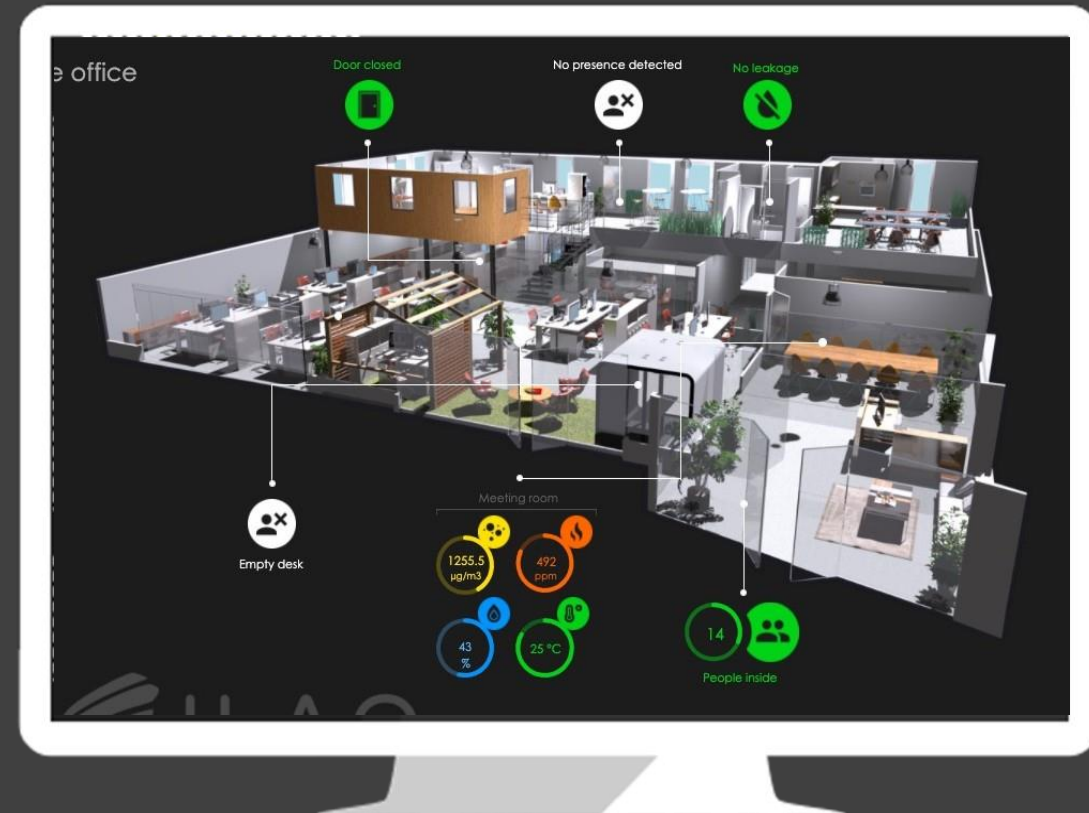
- Buildings/ Common or Public Area
- Professional Offices
- Smart Homes

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports

USE CASE : SMART THERMOSTAT

Features spread over several models:

- ✓ Controls AC Units
- ✓ Controls Fan Speed
- ✓ Controls Valves



Ultrasonic Fluid Sensor With Bracket



Price : 185 €
Price : 735 AED



For:

- Industries, Building,
- Residential homes, Property management

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE: HVAC

Features:

- ✓ Based on LoRaWAN technology

Delta P: air pressure delta Monitor the operation of a ventilation box, air handling unit or building air system
HIGHLIGHTS Pressure difference: relative to the atmospheric pressure or between two different zones
2 digital inputs / outputs: for connecting to a PLC for tracing alerts or operating states
1 analogue input 0-10V: for connecting to a sensor



TM2D



Price : 185 €
Price : 735 AED



For:

- Restaurants, Supermarket etc..



- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE: FREEZER MONITORING

Features:

- ✓ Based on LoRaWAN technology

Temperature reporting towards a web platform via Sigfox and LoRaWan or in Local Modbus. This is the ideal product to supervise 2 temperatures for a distant site. The ACW-TM2D modem will warn you in case of threshold over-run. This innovating radio modem will also find its place in the cold chain : Fridge monitoring, freezer and also in energy efficiency (Smart Building) and other smart applications.



Ultrasonic Fluid Sensor With Bracket



Price : 210€
Price : 833 AED



For:

- Industries, Building,
- Residential homes, Property management

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE: LEVEL

Features:

- ✓ Based on LoRaWAN wireless technology

Water level : - Tank overflow and emptiness detection - Sensor on position top and bottom - Battery and sensor state - Settings (tank capacity, level height, address, etc.) - Alarms (tank overflow, tank empty, battery, sensor)



ICE CONNECT



Price : 195€
Price : 775 AED

For :

- ✓ Restaurants, Supermarket, etc..



ICE CONNECT

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE : COLD CHAIN CONTROL

Features :

- ✓ Sigfox communication technology (RC1 / Europe area).
- ✓ Antenna with 3 meter long cable
- ✓ Current detection sensor (0-3600W) (de)connectable and anti-vibration, with 2 meters long cable
- ✓ Temperature sensor with 2 meters cable (Measuring range: -40 m 100°C, accuracy +/- 0.5°C).
- ✓ Replaceable battery life 2 years minimum.
- ✓ IP54 waterproof certification



CURRENT SENSOR



Price : 205 €
Price : 814 AED



For:

- ✓ Buildings, Schools, University,
- ✓ Residential homes, Property management

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE: ELECTRICAL METERING

Features:

- ✓ Based on LoRaWAN technology

The Current-sensor is a ready-use product enabling to measure the current and somonitor intensity thresholds. The package is composed by an ANALOG transceiver and a current transducer (50 A). Version 50 A: cable 10 mm



MOTION & LUMINOSITY



Price : 82 €
Price : 326 AED



For:

- ✓ Buildings, Schools, University,
- ✓ Residential homes, Property management

Milesight

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE: MOTION

Features:

- ✓ Based on LoRaWAN technology

The sensor for indoor environment and occupancy monitoring. This is an indoor LoRaWAN® device for measuring indoor environment. It has a clean and minimalistic design which makes it ideal for mounting under desks or any table. This device makes it possible to optimize the usage of desks or other seating areas, meanwhile having full control over the environment..



PULSE – DRY CONTACTS



Price : 242 €
Price : 941 AED

For:

- Industries, Building,
- Residential homes, Property management



- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE : ELECTRICITY / WATER / GAZ METERING

Features:

- ✓ Monitor the meter index of different meters
- ✓ Monitor water or electricity consumption: energy savings
- ✓ Available in ATEX version



ULTRASONIC LEVEL SENSOR



Price : 432 €
Price : 1716 AED

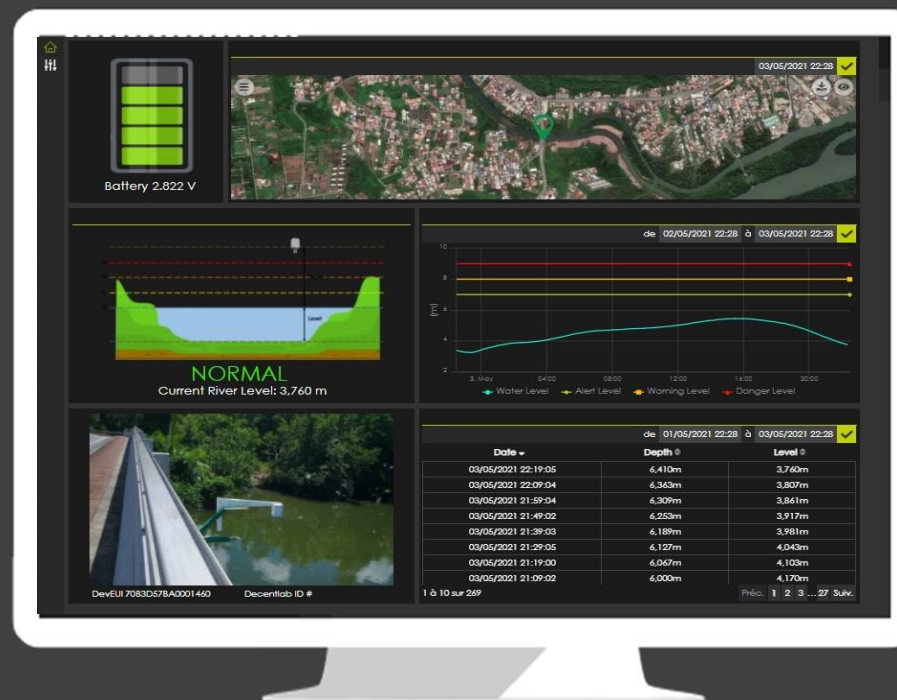
For:
• Cities



USE CASE : FLOOD MANAGEMENT

Features:

- ✓ Ultrasonic level measurement: 20cm to 5.5m
- ✓ IP67



- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

AIR QUALITY – OUTDOOR



Price : 315 €
Price : 1250 AED

For :

- School/High School/College/Industry/ Public Area
- Professional Offices
- ...

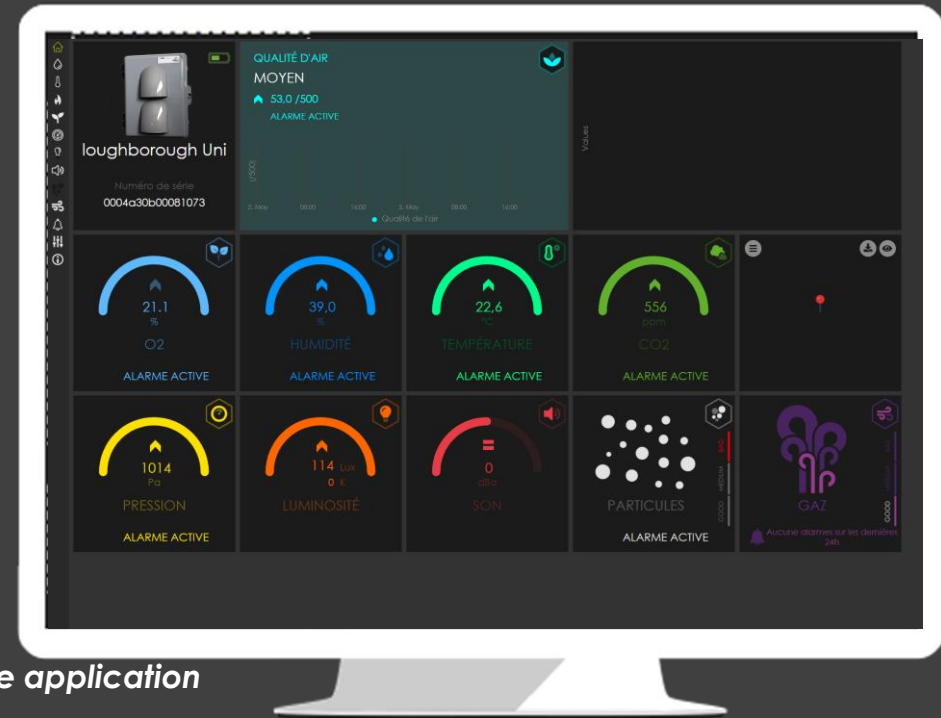
Milesight

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE : EXTERIOR AIR QUALITY

Features :

- ✓ Temperature
- ✓ Carbon Dioxide
- ✓ CO Carbon Monoxide
- ✓ Relative humidity
- ✓ Pressure



PARKING MANAGEMENT



For :

- Public and private parking lots
- Administrative and commercial centers
- Municipalities

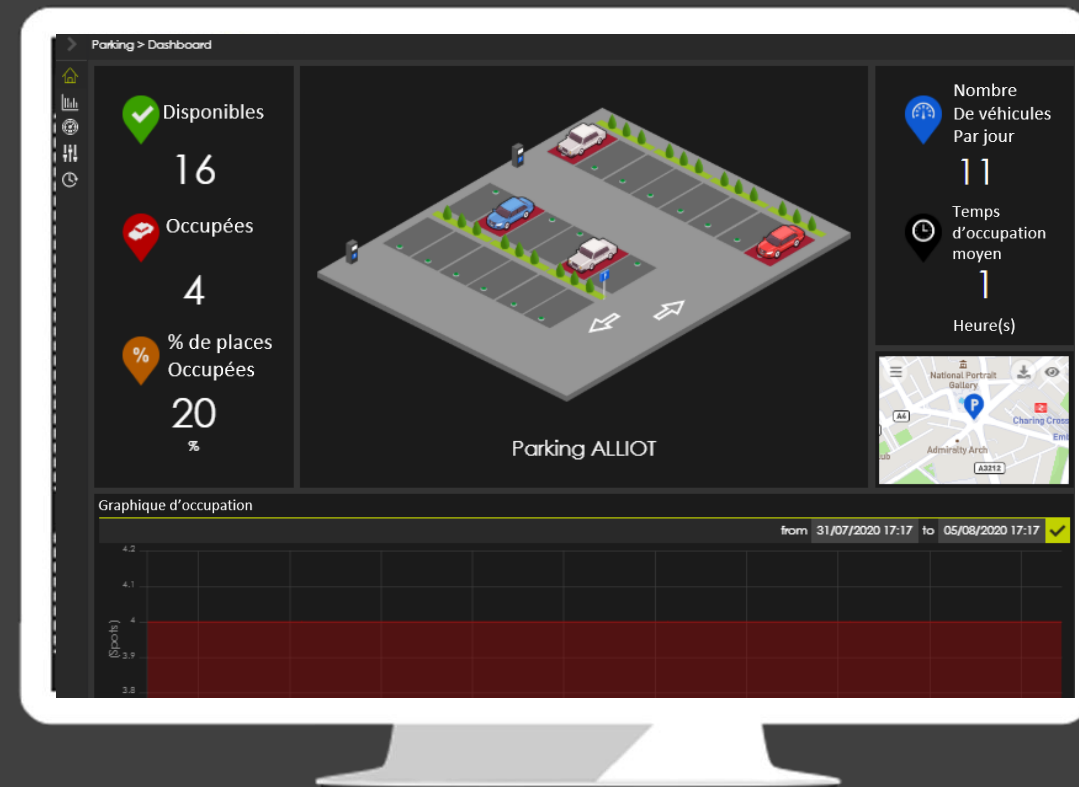


- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE : PARKING MANAGEMENT

Features :

- ✓ Occupancy information
- ✓ Daily metering
- ✓ Real time availability
- ✓ Average occupancy time
- ✓ Geolocation of spaces (customization option)



ULTRASONIC LEVEL SENSOR



Price : 432 €
Price : 1716 AED

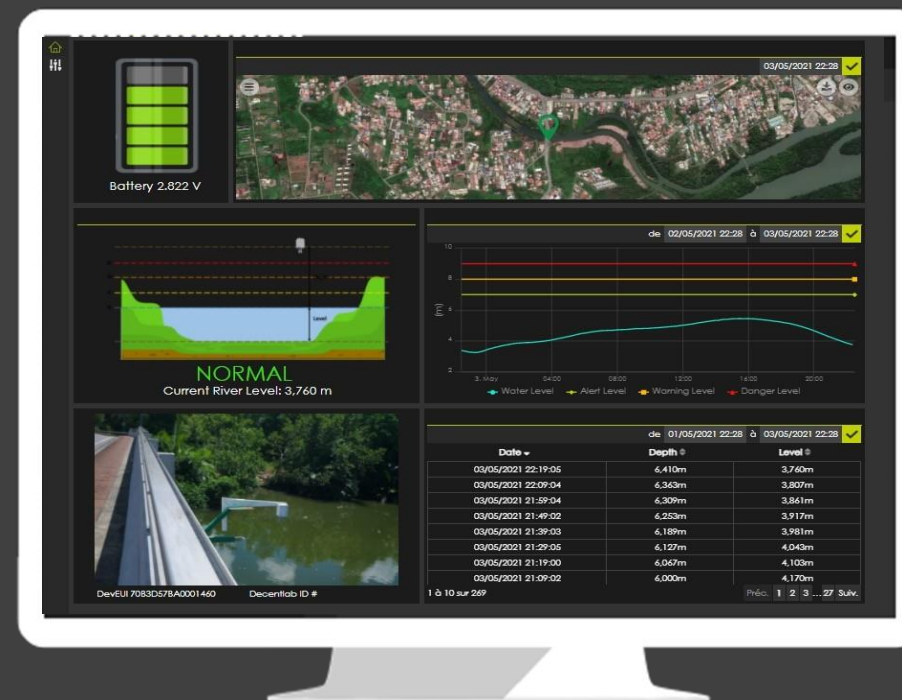
For:
• Cities



USE CASE : FLOOD MANAGEMENT

Features:

- ✓ Ultrasonic level measurement: 20cm to 5.5m
- ✓ IP67



- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

ERS SOUND



Price : ???

For :

- Public and private parking lots
- Administrative and commercial centers
- Municipalities



ELSYS.se

- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

USE CASE : Noise Pollution

Features :

- ✓ Occupancy information
- ✓ Daily metering
- ✓ Real time availability
- ✓ Average occupancy time
- ✓ Geolocation of spaces (customization option)



ULTRASONIC LEVEL SENSOR



Price : ???

For :

- Public and private parking lots
- Administrative and commercial centers
- Municipalities

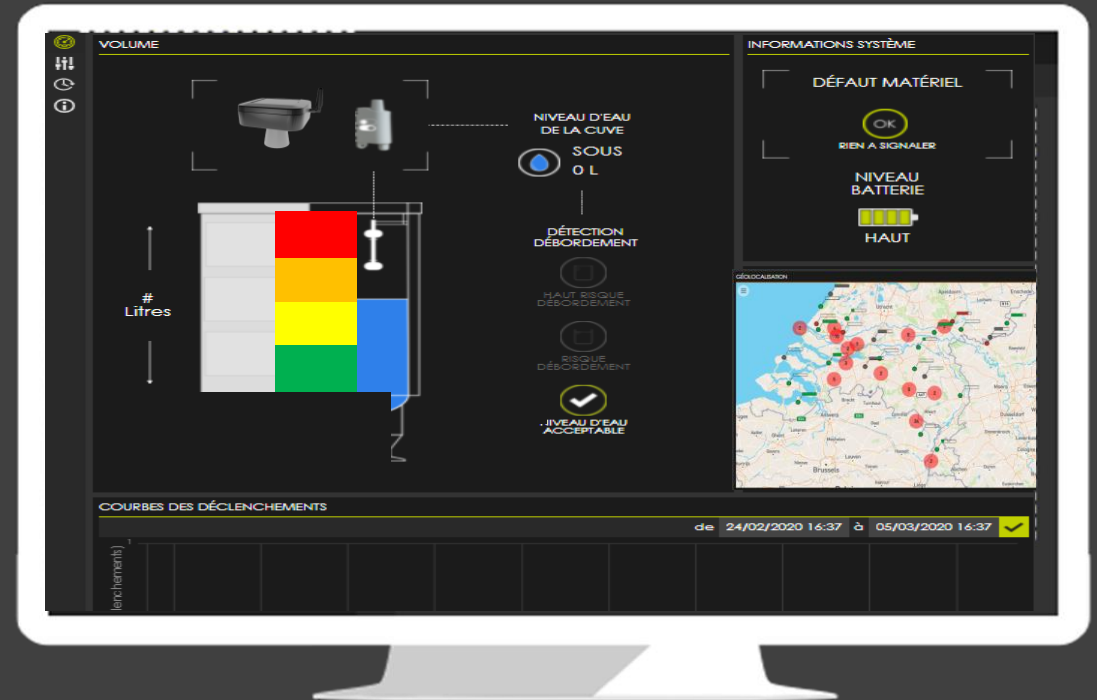


- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

Use Case: Waste Management

Features:

- ✓ Ultrasonic level measurement: 20cm to 5.5m
- ✓ IP 67



Tracking Sensor



Price : ???



For :

- Public & Private Environment
- Municipalities

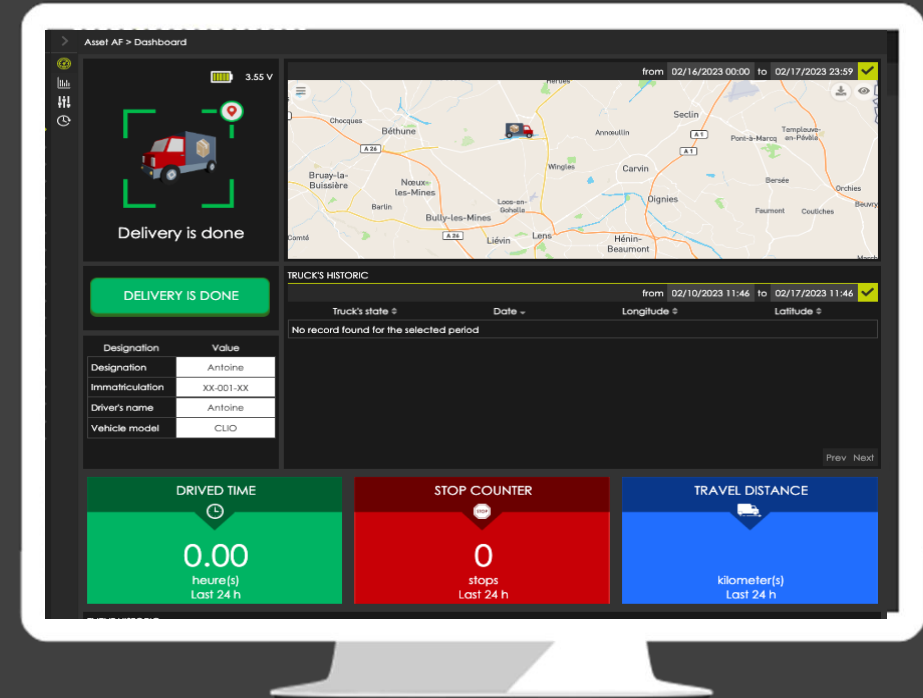


- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

Use Case: City Vehicles Fleet Tracking

Features:

- ✓ Stopping time of the vehicle
- ✓ Distance Traveled
- ✓ Drived Time
- ✓ Stop Counter





Price : ???



For :

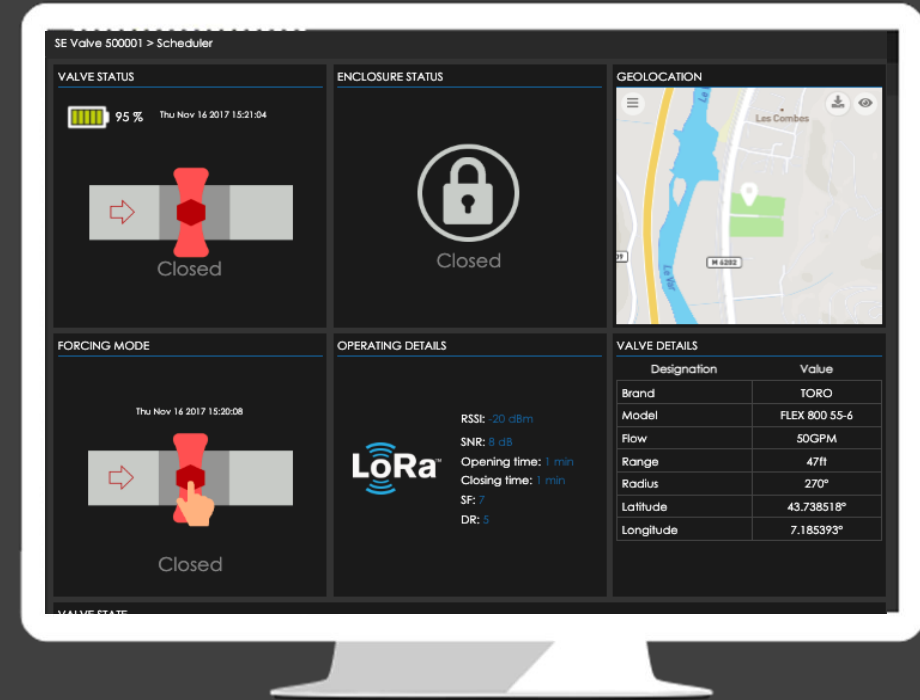
- Public & Private Environment
- Municipalities



Use Case: Smart Irrigation

Features:

- ✓ Open the Valve
- ✓ Close the Valve
- ✓ Valve Status
- ✓ Operating Status (Time Status)



- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

VIBRATION SENSOR



Price : 800€
Price : 3 136 AED



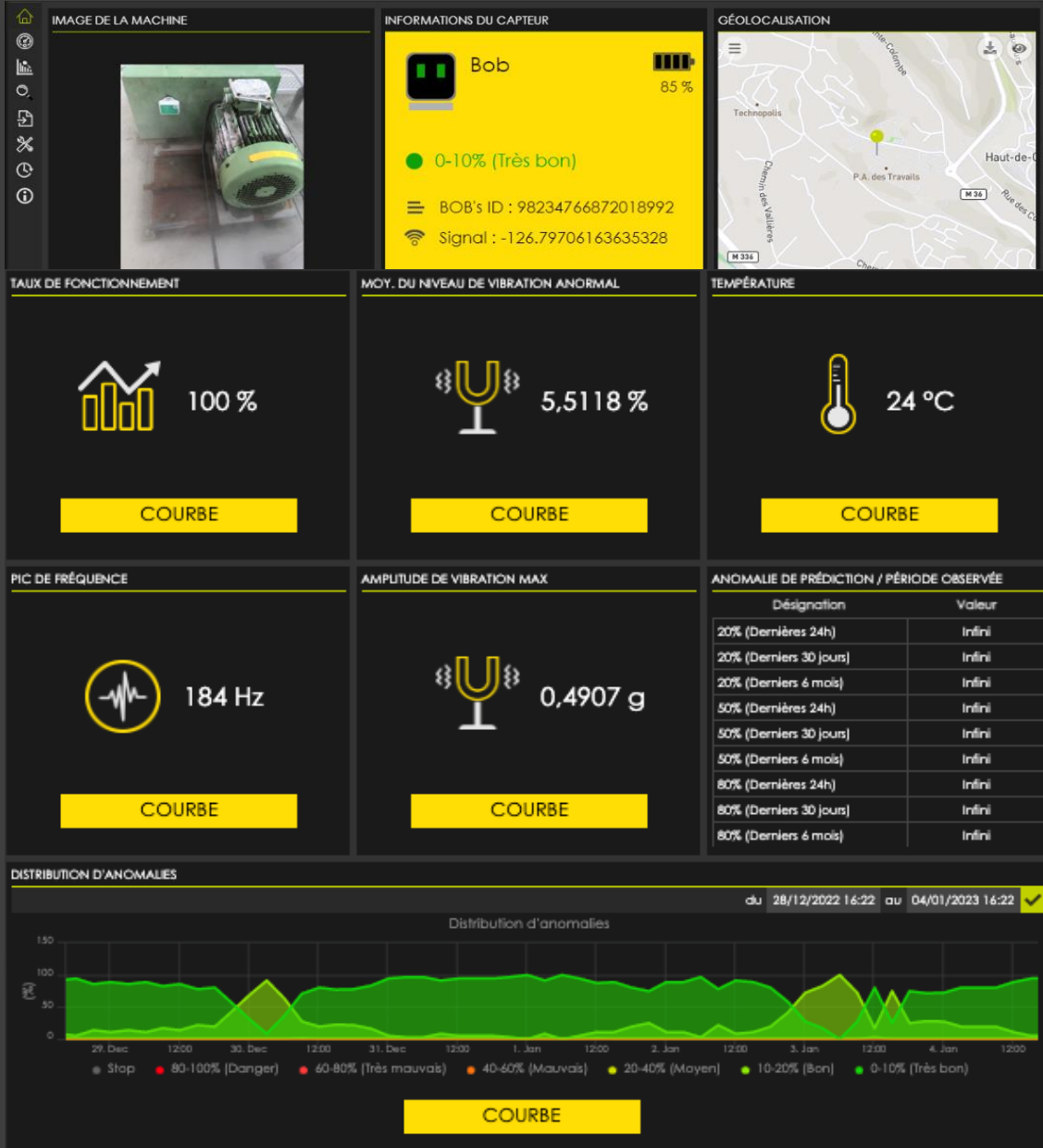
- Definition of thresholds
- Alerts, emails, SMS and mobile application
- Real time level display
- Generation of periodic reports
- Global view of all sensors on a map

Use Case: Vibration

Features:

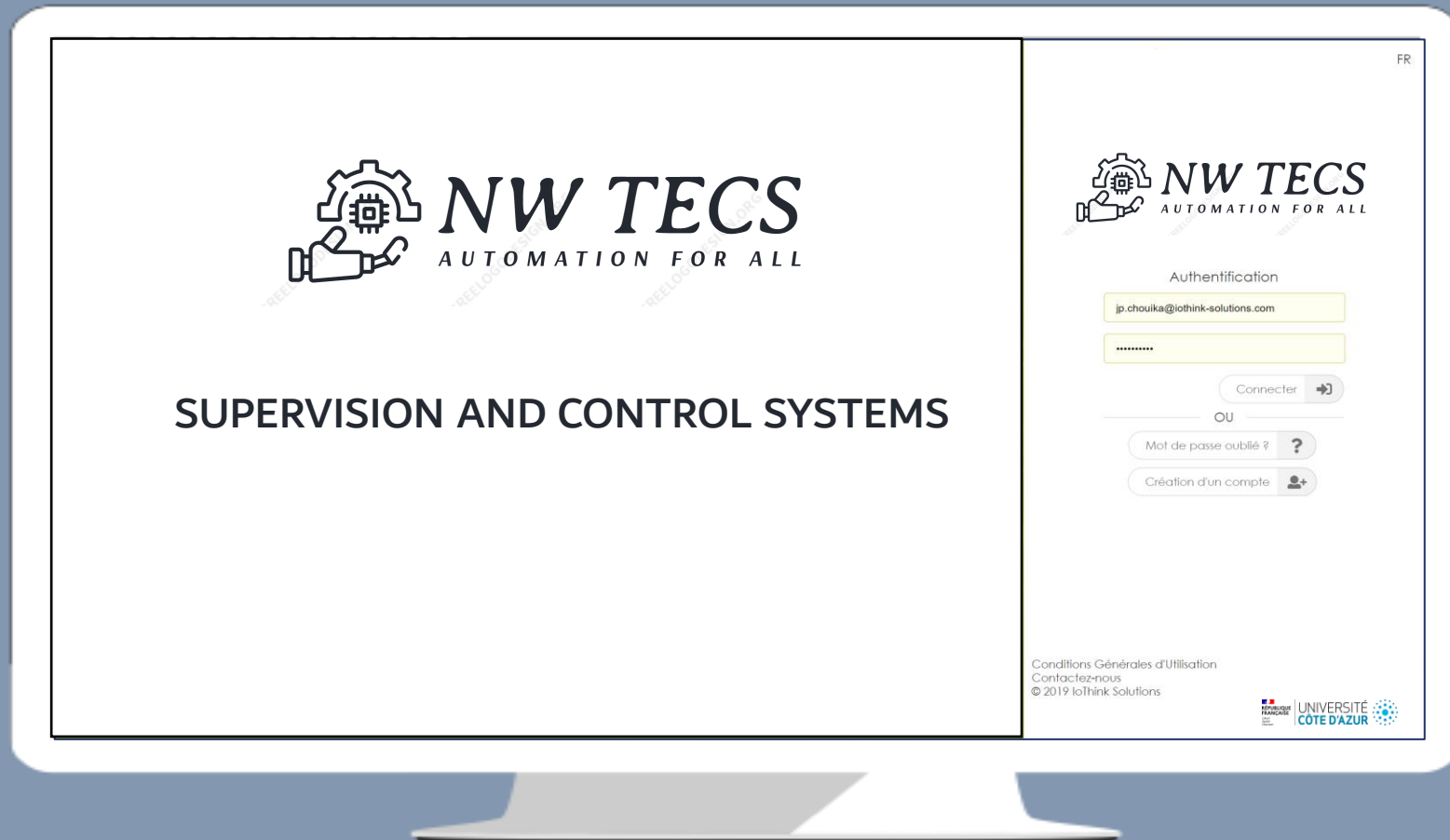
- ✓ Bob learns quickly and well! It applies analysis algorithms embedded in its sensor to understand and monitor each of your equipment.
- ✓ Your production data is safe with BOB. It retains them and sends only encrypted scan reports to the cloud.

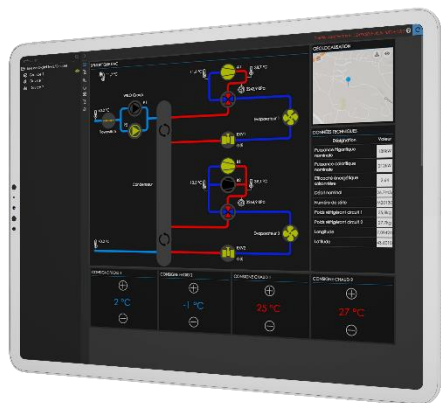




Your dedicated supervision portal

- A platform dedicated to your image and customizable
- Web & Mobile
- Domain name, Logo, Graphic charter, Email addresses, Terms of Use, Notifications
- Simplified and autonomous management of user accounts
- Unlimited user creation





Thanks for your **attention**
Contact us for an **individual meeting**
for more information and to discuss your project

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