MONITORING SOLUTIONS

NBIoT
Wi-Fi, 2G/3G, radio

MICRO CLIMATE RECORDER

MONITORING THE FULLNESS OF GARBAGE BINS

WATER CONSUMPTION RECORDER

AIR CONTROL

ENERGY CONTROL

MICROCLIMATE RECORDER

PURPOSE AND SCOPE

Online/offline monitoring:

 temperature

 humidity

 atmospheric pressure

 air control

 energy control

Various places:

 industrial buildings

 mobile transport

 residential buildings

 open areas

OUR SOLUTION - MICROCLIMATE RECORDER

PORTABLE AN -61 CS

The principle of operation is based on measuring and converting signals from primary transducers of temperature and/or relative air humidity and/or atmospheric pressure with subsequent processing by a microcontroller.

The devices are available in various designs.

It is used as a stationary or autonomous device for recording the microclimate of various objects in:

- light and heavy industry;
- logistics;
- warehouses;
- pharmaceuticals;
- trade enterprises;
- utilities;
- and other industries where it is necessary to control the microclimate regime.

FUNCTIONING PRINCIPLE AND TIME

Data reading interfaces
NBiOT, 2G/3G,Wi-Fi, radio

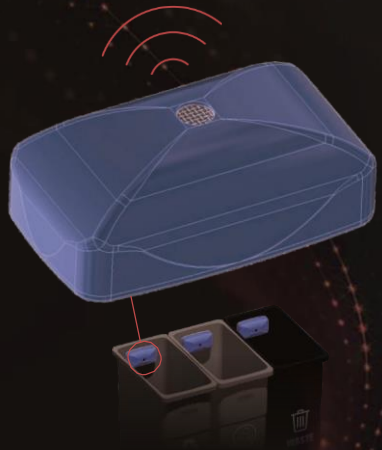
Service life time:
5 years

Battery life:
Up to 12 months

Working temperature range:
-40 to +80°C

MONITORING THE FULLNESS OF GARBAGE BINS

OUR SOLUTION – A LITTER LEVEL SENSOR



Easy mountable on the bin wall

Simple calibration

NBIOT system transmits information about the filling level to the control center

FUNCTIONING PRINCIPLE AND TIME

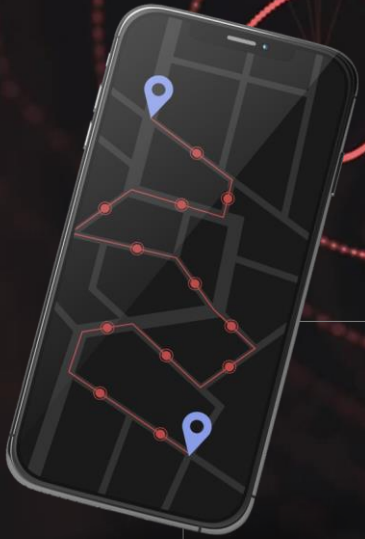
Sensor transmits **ultrasound signal**

Working range – up to **4 m**
(several sensors can be mounted for bigger bins)

Battery life:
2 to 4 years

Working temperature range:
-40 to +65°C

INFORMATION ALLOWS OPTIMISATION OF ROUTES AND TIMELY EMPTYING OF FULL BINS



WATER CONSUMPTION RECORDER

OUR SOLUTION – WATER USAGE RECORDER

- Recorder is connected to the meter which records all changes in the meter reading;
- The readings are stored in the memory of the recorder and sent once a day to the server;
- The data is sent via NBIOT communication;
- On the server, all data are summarised and visualised.

OPERATING PRINCIPLE OF THE RECORDER

Data acquisition – impulse, inductive

The recorder requires only two C batteries

Battery life: **3 to 6 years**

Operating temperature from: **-40 to +65°C**

The relevant control bodies can obtain accurate (factual) information and control:

Correct provision of information

Correct payment for the service provided