SMART
CAMERA

SMART
CITY

BIKESHARING

E-MOBILITY
FOR COMMUNITY
**/ CHARGING
STATIONS**

**SATELITNÝ
MONITORING**
MESTSKÝCH
VOZIDIEL

COMMUNICATION
WITH CITIZENS
**OWN GENERAL
AND CITY TV
CHANNELS**

SmartCITY
GATEWAY 868MHz

ANTIK
SmartCity

**ANTIK IoT
SOLUTIONS
FOR CITIES**

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Reasonable solution
for cities and government

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technology

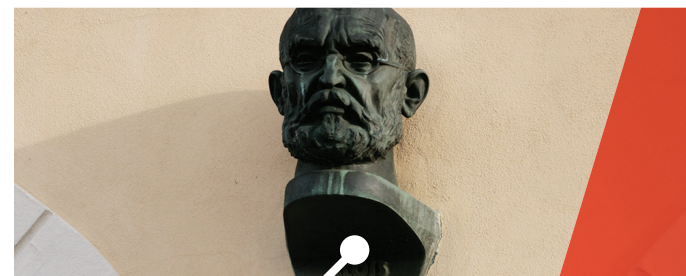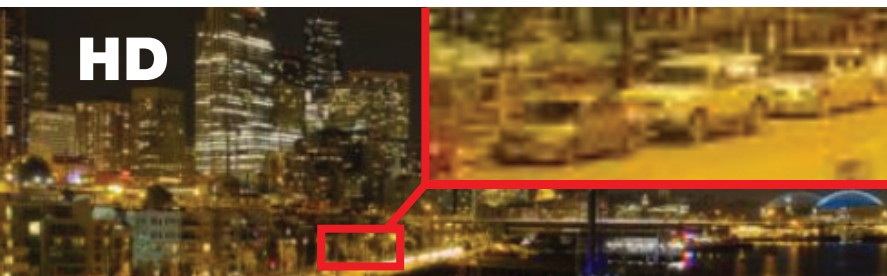Reasonable solution **for cities and government**

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SAFETY IN THE CITY
thanks to technological innovation
in surveillance camera system

- DETECTION OF TRAFFIC VIOLATION
- UP TO 180^0 PANORAMIC VIEW + ROTATION
- SMART FEATURES OF CAMERA
- MAKE YOUR CITY SAFER

Up to 180º panoramic view

HD

4K
instead of
four HD cameras

Crossing the line
with detection of direction

Enter and exit
to and from the area

Disappearance / appearance
of the object, Detection: object/person

DETECTION OF INCORRECT PARKING

IT CAN DETECT POSITION OF VEHICLE IN THE ZONE AND NOTIFY CENTRE

IN CASE OF INCORRECT PARKING

VEHICLE TYPE DETECTION

BRAND, TYPE, COLOUR, LICENSE PLATE

SMART CAMERAS

ANTIK technology
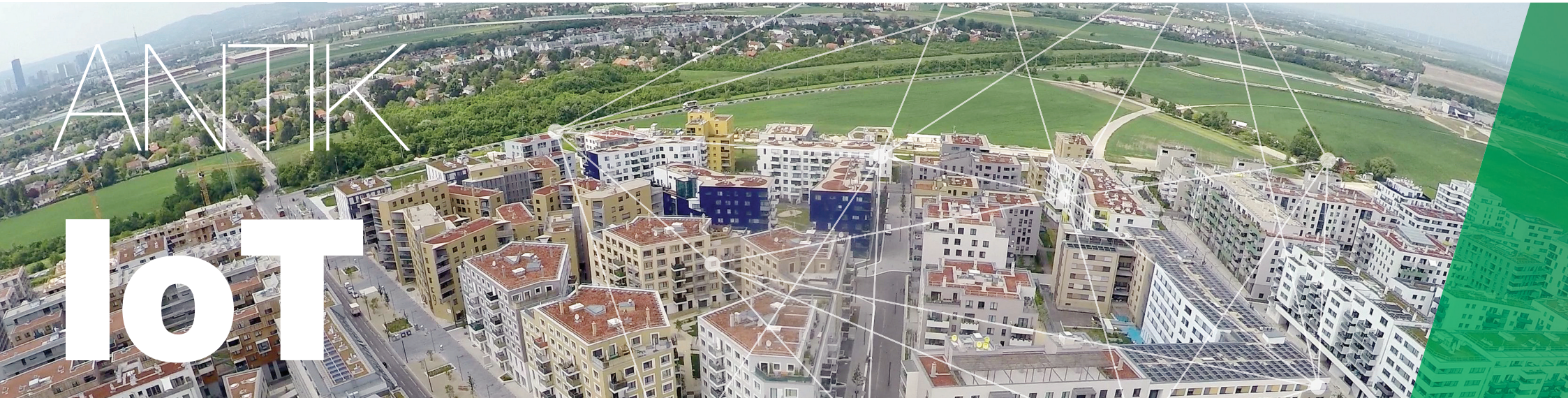
FUTURE SOLUTIONS
FOR EASIER LIFE ALREADY TODAY!

- TRAFFIC MANAGEMENT/PARKING SYSTEM
- AIR AND WATER QUALITY CONTROL (MORE CONTROL POINTS IN THE CITY AND VICINITY)
- WATER LEVEL MONITORING (EARLY WARNING OF FLOODS)
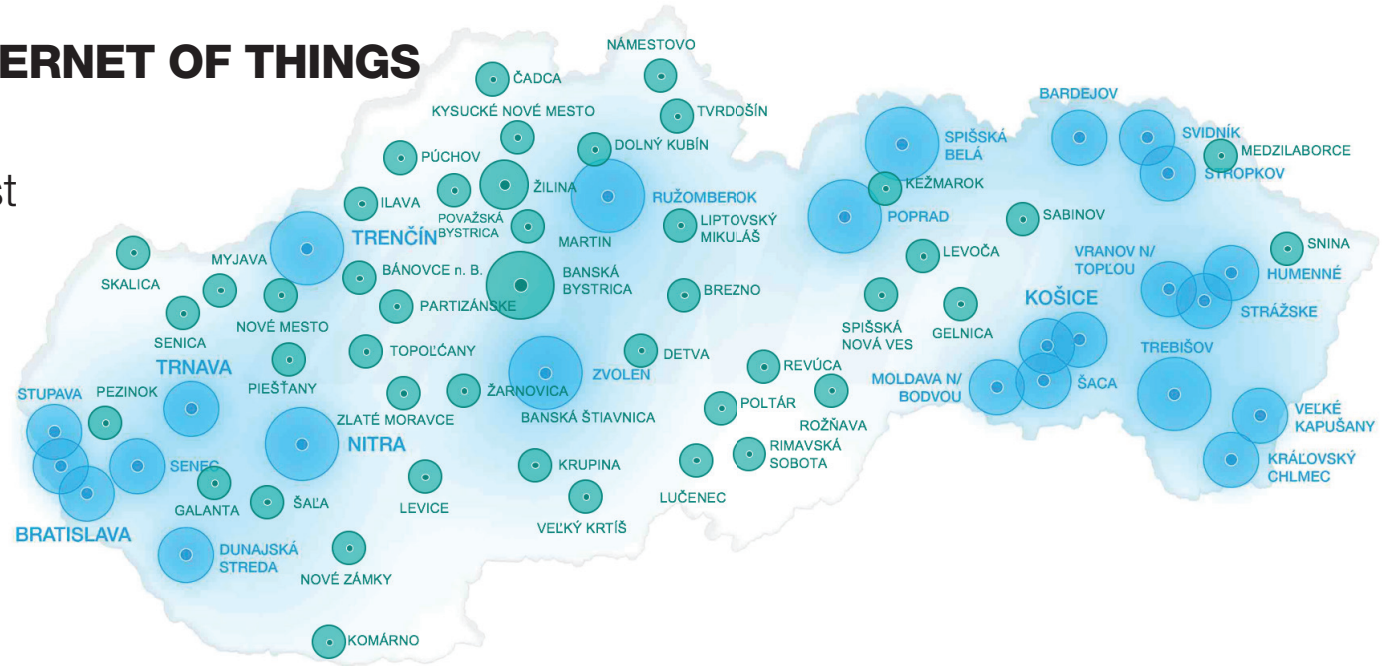- CONTAINER FILLING CONTROL (EFFECTIVE WASTE MANAGEMENT)
- SOS PANEL WITH VIDEO CALL

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IoT

ANTIK "IoT" PLATFORM - INTERNET OF THINGS

Nationwide networks low energy that can detect and record almost everything

SMART CITY
EASIER LIFE

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EARLY WARNING
OF INCREASED WATER FLOW

WAVE DETECTION
AT MULTIPLE POINTS OF STREAMS AND RIVERS

AIR QUALITY
CONTROL

MORE CONTROL POINTS UP TO THE STREET LEVEL

MORE ACCURATE AIR QUALITY CONTROL

SMART CITY
EASIER LIFE

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EFFECTIVE
PARKING SYSTEM

More vehicles for one parking lot
More place for greenery in the city

INCORRECT
PARKING DETECTION

SMART SENSORS UNDER THE GROUND
DETECTS VEHICLE AND SEND NOTIFICATION

SMART CITY
EASIER LIFE

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UNDERGROUND CONTAINER
CONTAINER FILLING DETECTION

50%

WASTE COST DECREASE BY EFFICIENT GARBAGE COLLECTION

DETECTION
OF HATCH THEFT

Sensor located on the inside of the hatch responds in handling

SAFER ENVIRONMENT
LESS UNNECESSARY ACCIDENTS

SMART CITY
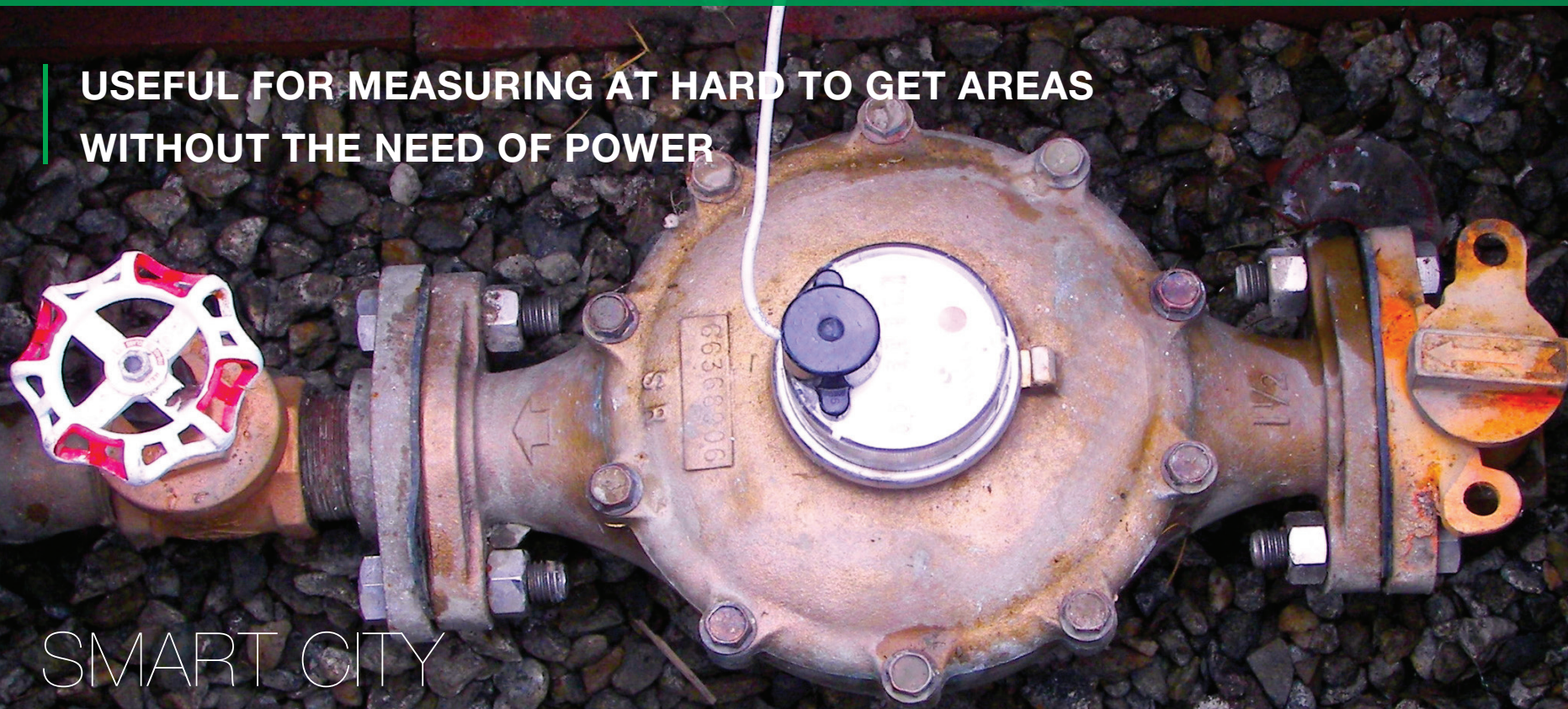# EASIER LIFE

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SOS

28°C

REMOTE MEASUREMENT
OF ENERGY CONSUMPTION
**Water, electricity, gas under control
including waring in case of leakage**

USEFUL FOR MEASURING AT HARD TO GET AREAS

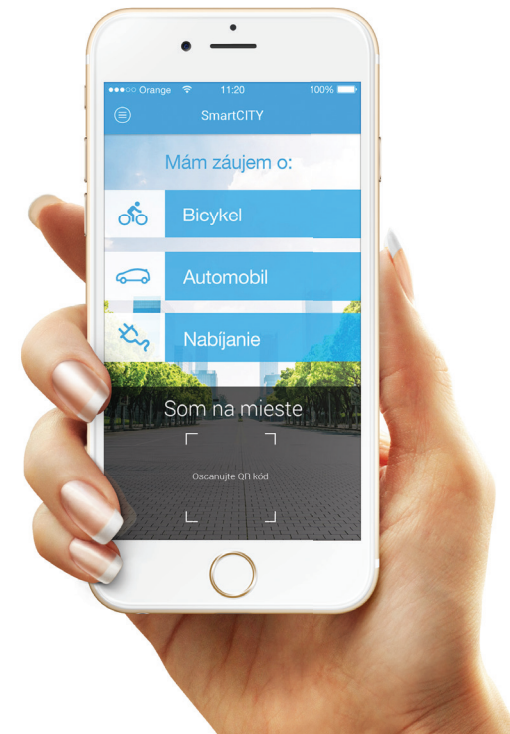**WITHOUT THE NEED OF POWER**

SMART CITY
EASIER LIFE

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ANTIK BIKE SHARING
PLATFORM

MORE COMFORTABLE WAYS TO WORK EVEN TO RELAX

TOURISM SUPPORT

SOLUTION OF OVER-DENSE TRAFFIC AND PARKING

MOBILE APP TO SIMPLIFY SHARING

WITHOUT THE NEED OF FIRM POINTS

Unusual design distinguishes the bike immediately

LOCK IS UNLOCKED THROUGH **MOBILE APP**

BIKES, E-BIKES
BILLING MANAGEMENT
SMARTAPPS

ANTIK BIKE
SHARING PLATFORM

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t e c h n o l o g y

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E-MOBILITY
FOR COMMUNITY SERVICES

FASTER TRANSPORT OF MUNICIPAL POLICE
MORE VISIBLE PATROLS IN THE CITY
MORE EFFECTIVE MUNICIPAL EMPLOYEES
SAFER AND CLEANER CITY

✔ **CHARGING STATIONS**

✔ **EFFICIENT AND STORABLE E-BIKES**

✔ **ON-TIME PREPARATION**
FOR THE NEAR FUTURE

Foldable aluminium construction that fits to the trunk of every car

MUNICIPAL
E-MOBILITY

END-2-END PLATFORM

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GOVERNMENT TO CITIZEN E-COMMUNICATION
EFFECTIVE ON THE STREET AND AT HOME

FAST INFORMING THE CITIZENS
AT HOME ON THE TV THROUGH SET-TOP BOX
ON THE STREET THROUGH DIGITAL SIGNAGE /WITH HIGH QUALITY DISPLAY
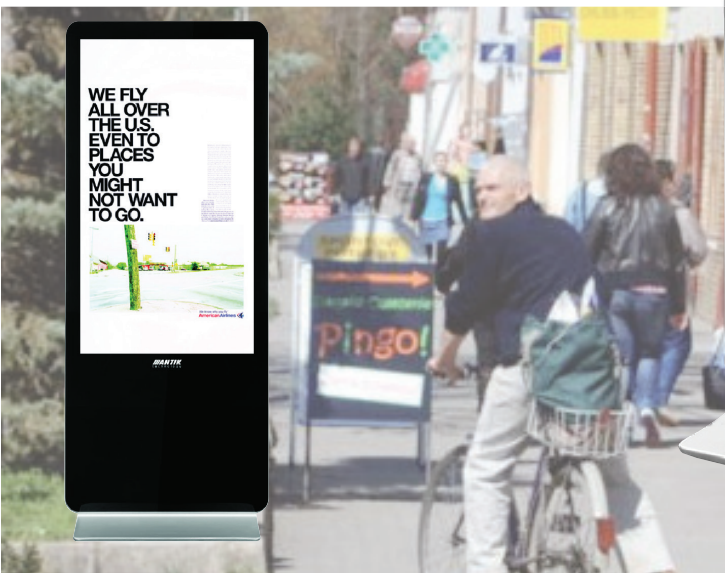EFFECTIVE MESSAGE MANAGEMENT

Message
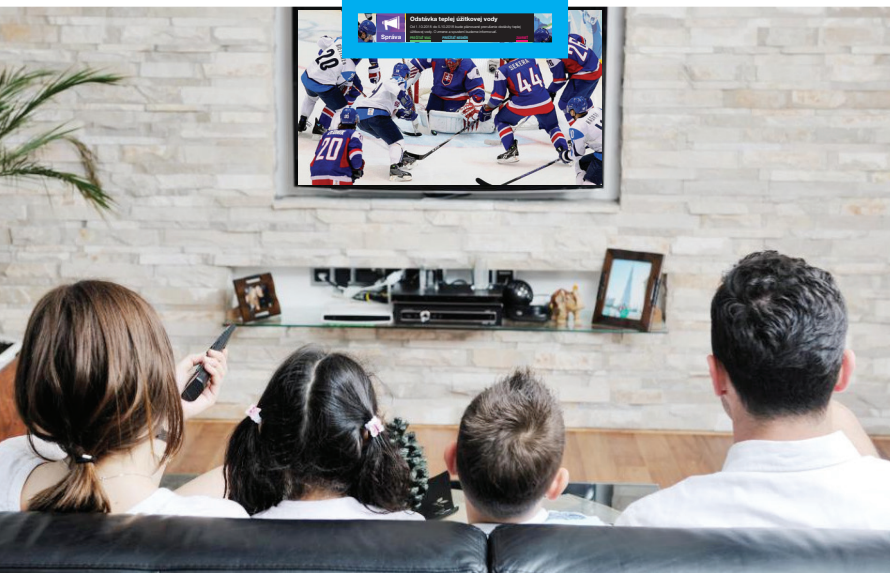
Water Outage
A planned water outage will occur from Monday, October 1, 2018 to Friday, October 5, 2018. You will be notified about the changes and water restoration.

READ MORE   READ LATER   CLOSE

OWN LOCAL TV CHANNEL
YOUR CONTENT – OUR SOLUTIONS
GET CLOSER TO CITIZEN UP TO LIVING ROOM
THROUGH OWN TV BROADCASTING.

AT HOME ON THE TV
ON THE STREET
THROUGH
DIGITAL
SIGNAGE

G2C
E-COMMUNICATION

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PARKING SENSORS

Antik LoRaWan parking sensor, the solution for Smart Cities that allows citizens to detect available parking spots. Antik LoRaWan parking sensor monitors parking lot uses high sensitivity geomagnetic sensor, which measures all changes of magnetic field above the sensor. The device is manufactured in two variants: 1.surface mount variant – easy to deploy, no need to dig holes to the road surface 2. buried variant – need hole in road surface, takes little more time to deploy, but final solution is more robust and resistant against winter time road maintenance.

ABNORMAL MOVEMENT SENSORS

Antik LoRaWan abnormal movement sensor is solution to detect unwanted movement of fixed objects. In case of object is moving, sensor alerts you. Sensor uses very sensitive 3 axis accelerometer sensor to detect unwanted movement.

WATER LEVEL SENSOR

Antik LoRaWan Watel level sensor monitors level of water in rivers, lakes or other water reservoirs. Sensor sends alert in case water reaches maximum level.

TRASH DETECTOR

One of the key role for "Smart City" is to find the efficient way how to get rid of the trash to maintain clean city. Antik LoRaWan Trash Can monitor, uses ultrasonic sensors to detect level of trash in waste bin. Sensor can be used for waste management company to plan optimal path for trash collecting cars.

WATER METERING

Antik LoRaWan Water Metering device is designed to use with pulse output water maters. Device counts pulses from two independent water meters. Water meters status is periodically transmitted.

TEMPERATURE AND HUMIDITY SENSOR

Antik LoRaWan Temperature and Humidity sensor is designed for outdoor and indoor use. It uses very precise digital sensor with 0.1°C and 0,5% RH resolution. Industrial enclosure provides IP54 coverage rating. Internal lithium battery guarantees sensor life time up to 10 years.

ELECTRICITY METERING

Antik LoRaWan Energy Metering device is designed to sense information about energy consumption from any type of energy meter used in house or flats. Energy meter status is periodically transmitted.

GAS METERING

Antik LoRaWan Gas Metering device is designed to count pulses from pulse output of gas meter. Gas meter status is periodically transmitted.

STREET LIGHTS CONTROL

To mange street lihgting is important part of modern smart cities. Antik LoRaWan Steet light control unit brings way how to control lights using LoRaWan protocol. Module has IP68 coverage and standard ANSI C136.41 connector. Device uses DALI protocol to control LED lamp driver. There is also embedded energy meter to measure actual and longtime consumption of whole lamp. GPS module provides exact time information for scheduled operations. Ambient light sensor provides information for autonomous operation depend of actual lights conditions.

INDUSTRY SENSORS PLATFORM

Antik LoRaWan Industry sensors device is platform to collect data from standard industry sensors powered from 12 to 24V equipped with RS485 bus and MODBUS communication protocol. Device is designed to be powered from primary lithium batteries or with solar panel rechargable batteries. Device is able to read-out data form multiple sensors and transmit collected data in configurable interval. Typical types of sensors: Temperature, Pressure, Water quality (PH sensor, Dissolved Oxygene sensor), Ultrasonic water level sensors etc

Reasonable solution
for cities and government