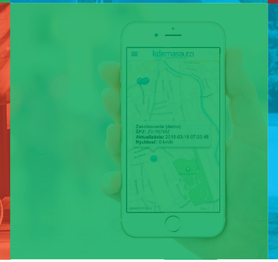


ANTIK Technology
Carskeho 10
040 01 Kosice

+421 55 30 / 12345
info@antiktech.com
www.antiktech.com

Future-Proof solutions
for cities and government

SmartCITY GATEWAY 868Mhz

ANTIK telecom

ANTIK SmartCity

ANTIK IoT SOLUTIONS FOR CITIES

Future-Proof solutions **for cities and government**

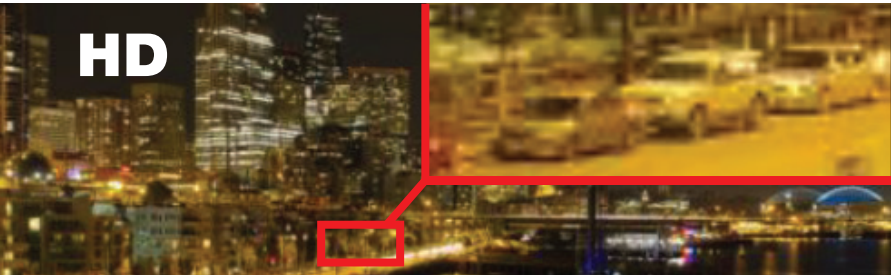
ANTIK telecom

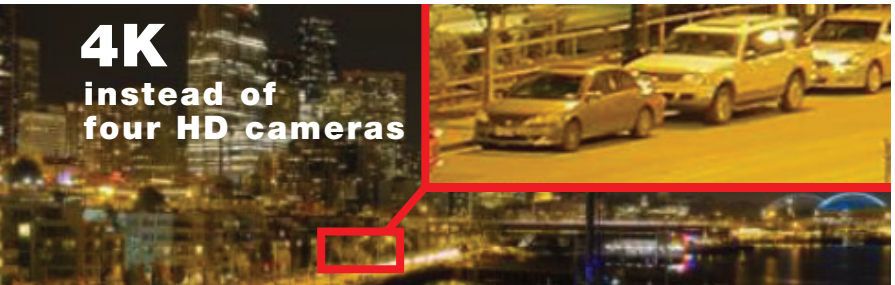
SAFE CITY

thanks to technological innovation

in surveillance camera systems

DETECTION OF TRAFFIC VIOLATION
FACE AND CAR RECOGNITION AND ANALYTICS
CROWD RECOGNITION
MAKE YOUR CITY SAFER





DETECTION OF INCORRECT PARKING

IT CAN DETECT POSITION OF VEHICLE IN THE ZONE AND NOTIFY CONTROL CENTRE IN CASE OF INCORRECT PARKING

VEHICLE TYPE DETECTION

BRAND, TYPE, COLOUR, LICENSE PLATE

SMART CAMERAS

ANTIK technology

FUTURE SOLUTIONS
FOR EASIER LIFE

LoRa GATEWAY

- TRAFFIC MANAGEMENT/PARKING SYSTEM
- AIR AND WATER QUALITY CONTROL
- WATER LEVEL MONITORING (EARLY WARNING OF FLOODS)
- CONTAINER FILLING CONTROL (EFFICIENT WASTE MANAGEMENT)
- SOS PILLAR WITH VIDEO CALL

ANTIK “IoT” PLATFORM

Robust gateways for nationwide IoT platform deployment best price/value solution for telemetry and remote control

SMART CITY
EASIER LIFE

ANTIK technology

EARLY WARNING **OF INCREASED WATER FLOW** AND **ITS QUALITY**

PRESSURE SENSOR DETECTION FROM THE RIVER BOTTOM OR ULTRASONIC FROM BRIDGE MASS LOAD FOR LOW OPERATING AND ENTRY COSTS

WATER QUALITY MEASUREMENT:

PH, SOLUBLE OXYGEN, WATER CLOUDINESS, CHEMICALS, TEMPERATURE

AIR QUALITY
CONTROL

BUILD DENSE AIR QUALITY CONTROL SENSORS DUE TO LOW ROLL OUT COSTS
MORE ACCURATE AIR QUALITY CONTROL ON MICROREGIONAL LEVEL

MEASURING:

CO2, CO, NO, O3, PM2.5, PM10, TEMPERATURE, HUMIDITY, ATMOSPHERIC PRESSURE

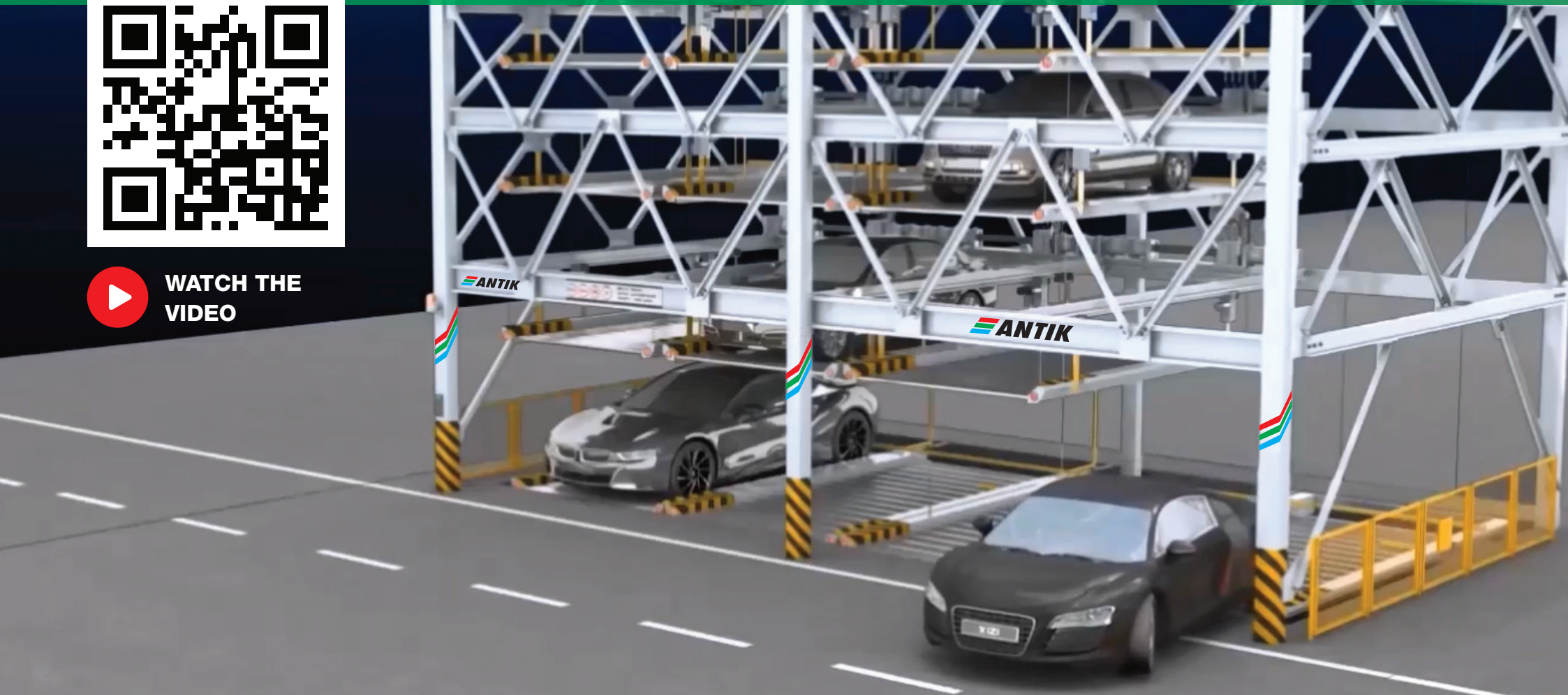
SMART CITY
EASIER LIFE

ANTIK technology

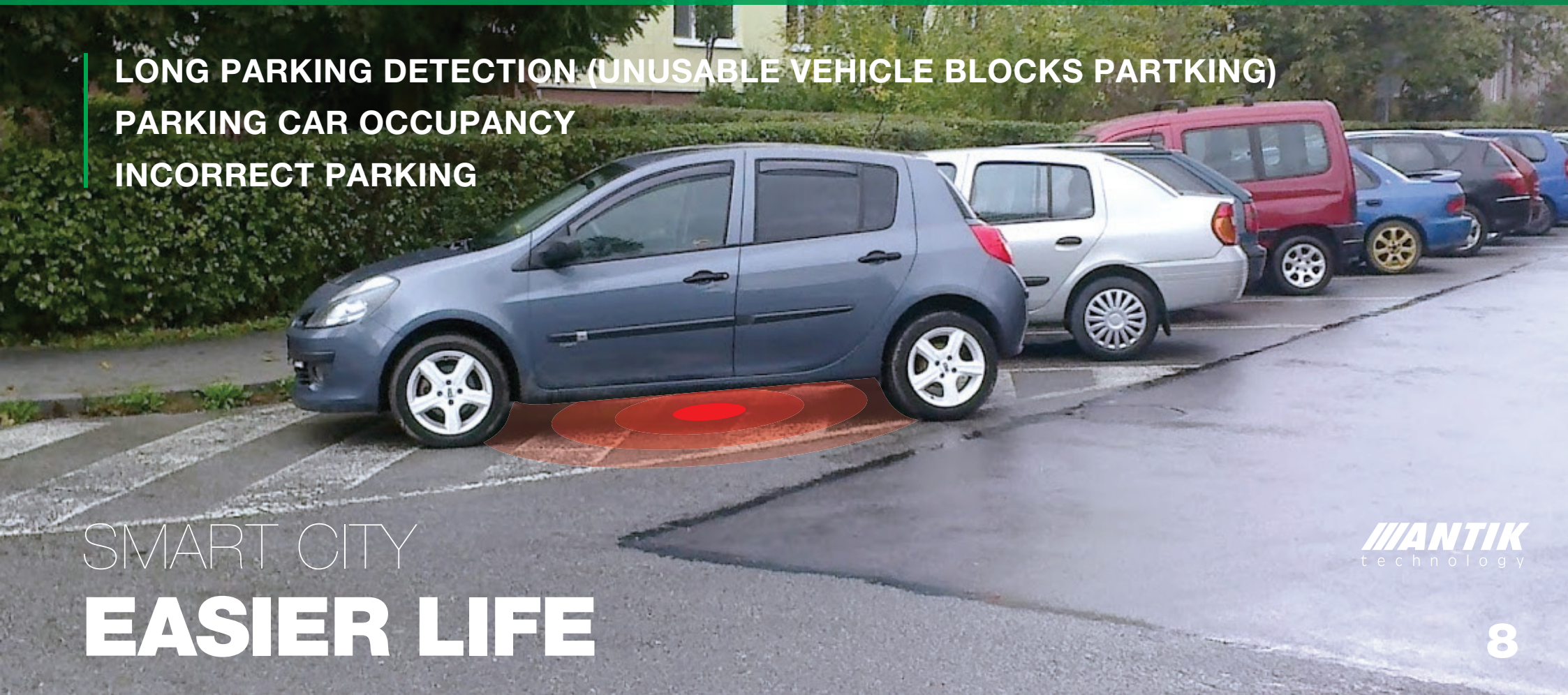
SMART
PARKING SYSTEM

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

WATCH THE VIDEO



SMART PARKING
INCORRECT PARKING DETECTION



LONG PARKING DETECTION (UNUSABLE VEHICLE BLOCKS PARTKING)

PARKING CAR OCCUPANCY

INCORRECT PARKING

SMART CITY

EASIER LIFE

ANTIK technology

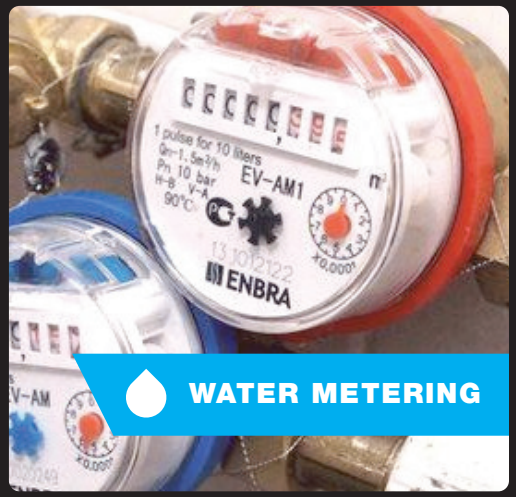
UNDERGROUND CONTAINER
CONTAINER FILLING DETECTION

WASTE COST DECREASE BY EFFICIENT GARBAGE COLLECTION

REMOTE MEASUREMENT OF ENERGY CONSUMPTION

lasts up to 10 years without the need of power supply for every day allowance

ANALYSIS OF MEASURED DATA, CONSUMPTION OPTIMISATION, EARLY WARNING IN CASE OF LEACH



SMART CITY

EASIER LIFE

ANTIK telecom

SMART OSVETLENIE

LoRaWan/NBIoT
lamp control module
DALI 0-10V

LoRaWan Gateway / WiFi AP
Air quality sensor
Public load speaker
LED lamp module with LoRaWAN management 0-10V or DALI protocol
IP camera system
Advertising and communication LED panel
SOS button for connecting with operator
Electric car charger

7-22 kW
EV charging station

DS panel with content editable remotely

SIP/IP network public load speaker, 15/30W

60/150W
3000K LED lamp with LoRaWAN management of intensity and diagnostic

IP exterior camera remotely controlled

Air quality sensor

SOS button for connecting with operator

LoRa

LoRaWAN gateway/WiFi Access Point (AP)

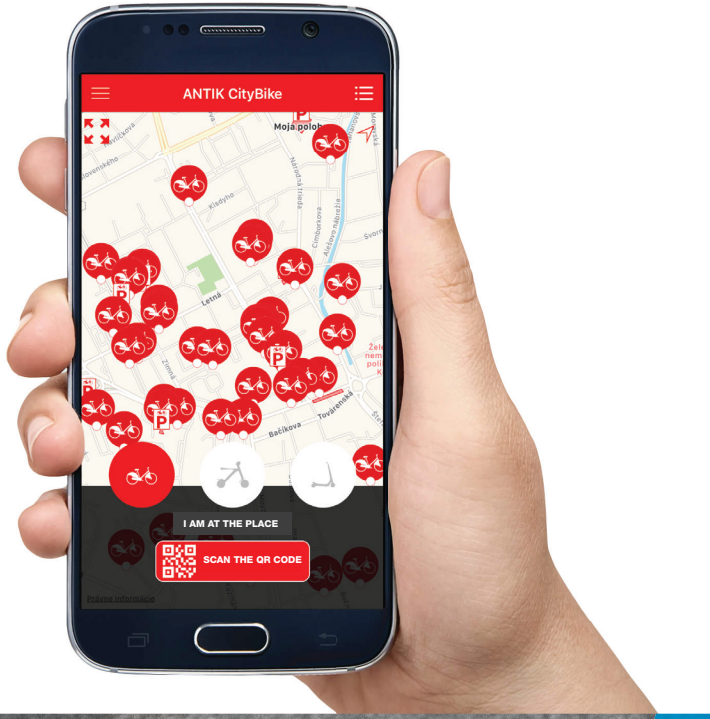
Modular solution

From simple lamp up to smart mast **of Smart City concept**

ANTIK telecom

ANTIK BIKE SHARING PLATFORM

- BIKES, E-BIKES, SCOOTERS
- SATION-LESS SYSTEM
- GPS REMOTE CONTROL
- BILLING AND PAYMENT
- ROBUST ONLINE MANAGEMENT



Unique design distinguishes the bike immediately

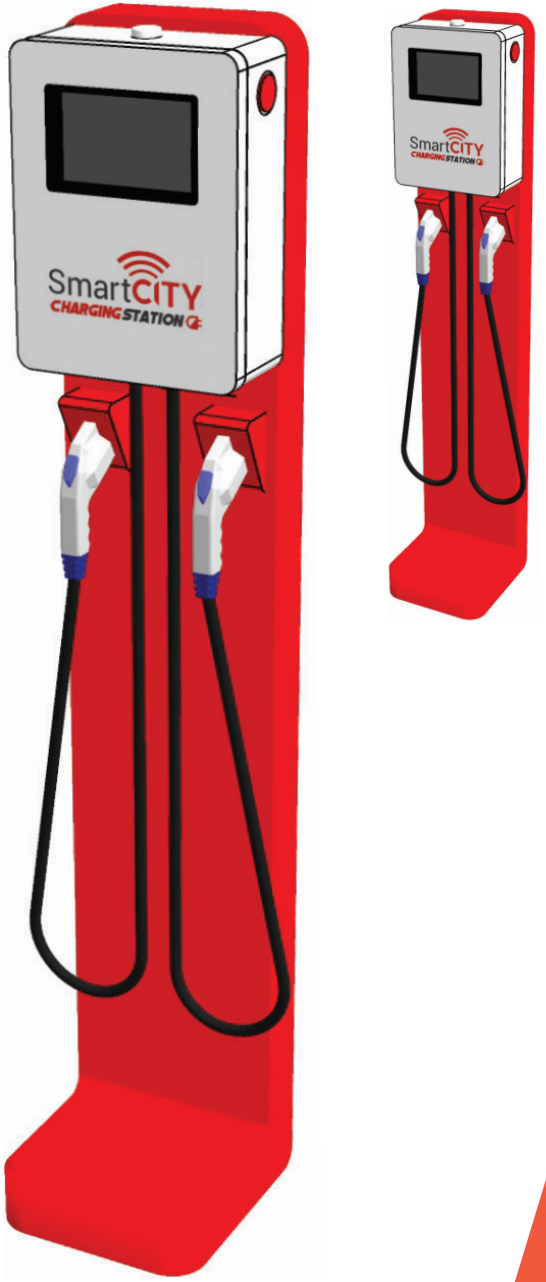
BIKES, E-BIKES
BILLING MANAGEMENT
SMARTAPPS

ANTIK BIKE
SHARING PLATFORM

ANTIK technology

CHARGING STATIONS
FOR E-CARS AND MOTORBIKES

- ✓ FREQUENT DISTRIBUTION
- ✓ CLOSE TO POPULATION ON PARKING
- ✓ EARLY PREPARATION FOR FUTURE



SUPER SOCO

ANTIK Telecom
Exclusive importer
of e-motorbikes SUPER SOCO

END-2-END PLATFORM

MUNICIPAL E-MOBILITY

ANTIK telecom

E-MOTO DELIVERY
& SMART DELIVERY BOX

CONVENIENT PICKING UP
OF DELIVERY FROM ONLINE SHOPS
AND SO ON.
COMPLEX SOLUTION ALONG THE FLEET OF MOTORBIKES

- **AVAILABLE AT STREET LEVEL**
- **SECURE SHIPMENT STORAGE**
- **DELIVERY NOTIFICATION EASY TO USE**

RENTING E-MOTORBIKES AS WELL

YOU DON´T HAVE TO OWN DELIVERY MOTORBIKES
YOU CAN RENT THEM FOR AFFORDABLE MONTHLY
RATE FOR EXAMPLE ONLY DURING THE PICK
OPERATION OR SEASON

WE TAKE CAR ABOUT THE MOBILITY GUARANTEE,
GET THE INFORMATION ABOUT THE DETAILS
ON E-MAIL: INFO@ANTIKSUPERSOCO.SK

DELIVERY AVAILABLE AT STREET LEVEL

SMART PARCEL DELIVERY

ANTIK telecom

GOVERNMENT TO CITIZEN E-COMMUNICATION
AT HOME AND OUTDOORS

QUICK DELIVERY MESSAGE
CITIZENS INTERACTION VIA E-POLLS
AT HOME ON THE TV THROUGH SET-TOP BOX
ON THE STREET THROUGH DIGITAL SIGNAGE /WITH HIGH QUALITY DISPLAY
CENTRALISED MESSAGE MANAGEMENT

OWN LOCAL TV CHANNEL
YOUR CONTENT – OUR SOLUTIONS

GET CLOSER TO CITIZEN UP TO LIVING ROOM
THROUGH MUNICIPAL TV BROADCASTING.

AT HOME ON THE TV
ON THE STREET
THROUGH
DIGITAL
SIGNAGE

G2C
E-COMMUNICATION

ANTIK technology

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 LEVEL 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 collection 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

ANTIK technology

SmartCITY GATEWAY 868MHz

Reasonable solution
for cities and government

NOTES