

**///ANTIK**  
technology

SmartCITY





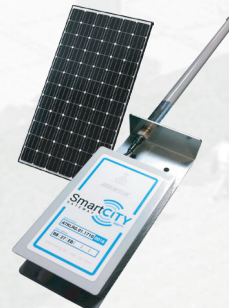
Antik **SmartCity** Infrastructure brings to your community everything needed to upgrade it to SMART level. Durable Antik LoRaWAN Transmitters, Management Platform, variety of sensors and easy integration to any 3rd party system covers to city or region with unbeatable data connection for all ultra-narrow-band scenarios for incredible costs.

- SmartCity Network Transceivers
- Large family of SmartCity Sensors and Controllers
  - Cloud Management
  - Open API
- Professional consulting



#### **Antik SCN10**

- Omnidirectional LoRaWAN Transmitter
- Gigabit Ethernet interface to connect to Antik SmartCity cloud



#### **Antik SCN20**

- Omnidirectional LoRaWAN Transmitter
- Solar power and battery
- 3G/4G modem to connect to Antik SmartCity Cloud



## Antik SmartCity Use Cases

### Transparent Parking



The parking sensor has a wide usage. Besides directing a driver to the nearest parking space you can ensure that ruthless driver won't occupy the access roads for fire brigades or VIP parking lot.

With low cost of Antik SmartCity Network operation you can easy control city-wide traffic light system from centralised location.

### Traffic Lights Control

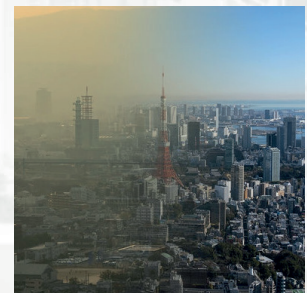


### Waste Management



A full or overturned container won't surprise you anymore. In that event it will immediately sends alert to company responsible for collection. It presents double victory, satisfied citizen and effective company that can follow the history and effectively plan replacing of container according the needs.

### More Accurate control of Air Pollution



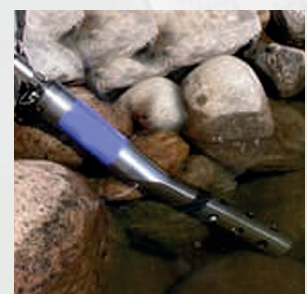
### Safety on the Streets



Make sure, that objects are at their places. E.g. you can control, if the hatches or fire protection equipment haven't disappear or the cables are not dropped and so increase the safety. In case abnormal movement happens, sensor sends notification, so you can arrange quick action.

Water is irreplaceable, so we have to monitor the quality of water. Sensor is suitable for monitoring potable water, chemical leakage detection, water pollution, corrosion prevention and sedimentation, evaluation of quality condition for aquatic animals and plants.

### Portable Water Monitoring



## Antik SmartCity Sensors and Controllers



### Parking Sensor

With increasing number of vehicles every year, finding the place to park becomes more difficult. Parking sensor brings real-time information on parking spot occupancy and is directing driver to the nearest available parking space. Besides, you can monitor if the space, that is dedicated for fire brigades or for emergency access hasn't somebody occupied. It will optimise parking usage, improve the efficiency and help traffic flow more freely in the area. Parking sensor is easy to install and lifetime of battery is up to 10 years.



### Trash Can Monitor

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. Trash Can Monitor can detect if the container is full or overturned and sends the notification to company responsible for its collection.



### Water Flow Meter

Flow Meter is able to provide signal that identifies status of flow. In case of broken pipe or seal it recognizes the status and will send a notification to controller and prompt system to shut down.



### Abnormal Movement Sensor

Sensor saves exact position of object, that should be static and at one place. In case of object missing, it will alert you, so you can resolve it sooner that some misfortune happens. It is well suited for hatches or fire extinguishers.





### Water Level Sensor

Water can cause lot of damages in short time. That's the reason why we need to monitor its level. If it will exceed required level, sensor alerts you. Recommended is to use it as protection against floodwater.



### pH Water Quality Sensor

Sensor is able to remotely control quality of water in rivers, lakes or in swimming pools. You can find out the most important parameters, as if the water is potable, chemical leakage detection, or the level of pollution in waters. You can prevent potential risks on public health.



### Temperature and Humidity Sensor

Sensor is well suited on places, where temperature has to be continuously monitored, e. g. in refrigerators or freezers to avoid defrosting of meat or you can monitor humidity of greenhouses.



### Gas Flow Meter

With Antik Gas Flow Meter you will save on costs for remote collection and get notification in case of abnormal consumption. Many other meters available – water, power, etc.



### Smoke Detector

Smoke Detector protects, what matter the most, lives, prevents injuries and minimize damages by notifying you by text message or e-mail in case of fire as soon as smoke is detected.



**SCC-EV-AC-7**

Specific input voltage	-
Output voltage	220VAC±10%
Output power	7kW
Input frequency	50Hz±2%
Short-circuit protection	yes
Overheat protection	-
Battery discharge protection	-
IP Rating	IP54
Working temperature	-25°C ~ 55°C
Ambient humidity	< 90%



**SCC-EV-DC-120**

Specific input voltage	380VAC±15%
Output voltage	200~500VDC/350~700VDC
Output power	30kW, 60kW, 120kW
Input frequency	50Hz±10%
Short-circuit protection	yes
Overheat protection	yes
Battery discharge protection	yes
IP Rating	IP54
Working temperature	-25°C ~ 55°C
Ambient humidity	< 90%



**SCC-EV-DC-180M**

Specific input voltage	380VAC±15%
Output voltage	200~500VDC/350~700VDC
Output power	30kW, 60kW, 120kW, 180kW
Input frequency	50Hz±10%
Short-circuit protection	yes
Overheat protection	yes
Battery discharge protection	yes
IP Rating	IP55
Working temperature	-25°C ~ 60°C
Ambient humidity	< 90%



**SCC-EV-DC-120M**

Specific input voltage	380VAC±15%
Output voltage	200~500VDC/350~700VDC
Output power	30kW, 60kW, 120kW
Input frequency	50Hz±10%
Short-circuit protection	yes
Overheat protection	yes
Battery discharge protection	yes
IP Rating	IP54
Working temperature	-25°C ~ 55°C
Ambient humidity	< 90%



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