SMART WASTE BIN

AUTOMATED SOLID WASTE DISPOSAL CONTROL SYSTEM

Automated control system for solid waste removal. The solution allows to track the filling of garbage cans and monitor the visits of garbage trucks to container sites.

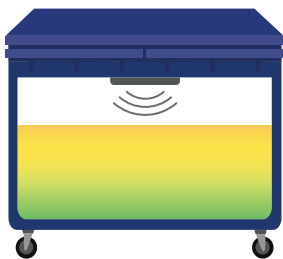**No overfilled trash bins**

Contractor monitoring

Contractor monitoring

⚙ MAIN FUNCTIONS

- ‣ Percentage monitoring of waste bins
- ‣ Monitoring compliance with the garbage collection schedule
- ‣ Display of garbage cans on a map
- ‣ Generating reports according to the statistics of the filling of tanks and garbage collection
- ‣ Emergency Dispatcher Notification
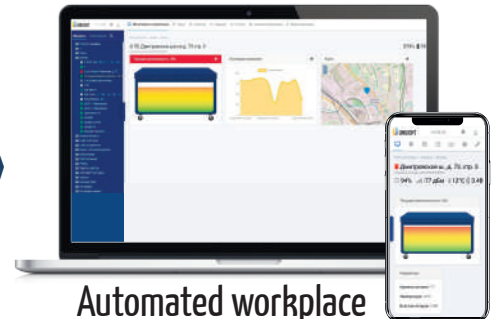
✔ SYSTEM ADVANTAGES

- ‣ Easy installation
- ‣ Functional software designed for centralized data collection
- ‣ Work with any types of garbage cans
- ‣ Flexible system structure
- ‣ Ability to connect a fire alarm sensor
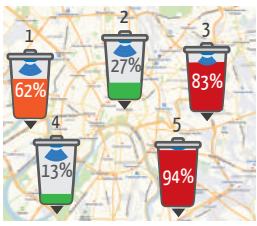
Trash can with sensor

UNILIGHT Software

ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ UNILIGHT

Automated workplace of the dispatcher
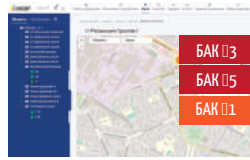
IT SMART CITY

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UNILIGHT

STAGES OF SOLUTION

The map shows
the level of full trash bins

When filling the trash above a
given level, the dispatcher
receives a notification

In accordance with the list
of filled trash bins, a schedule
for garbage collection is made

The dispatcher receives a
notification of garbage collection
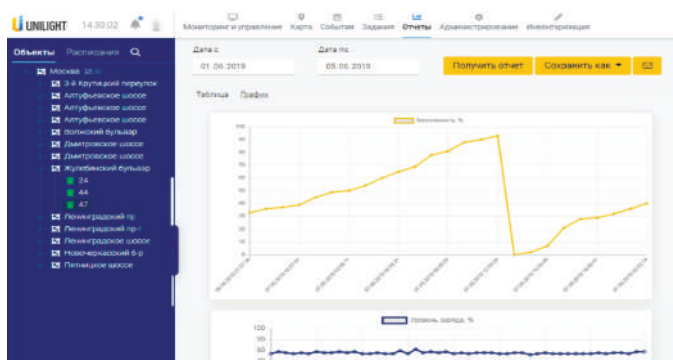and sees on the graph a change
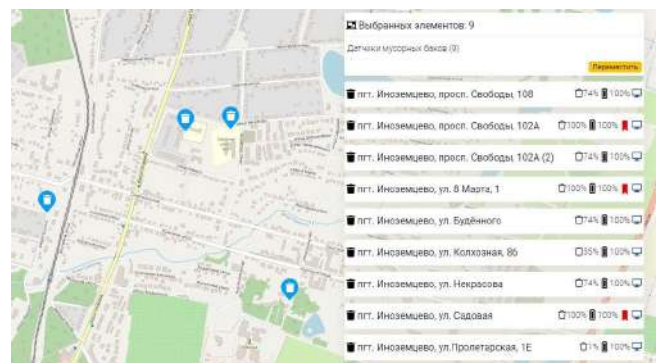in the level of filling the trash

WASTE CONTAINER FILL SENSOR

SPECIFICATIONS:

▸ Support for communication channels: GSM (3G), NB-IoT, LoRa
▸ Integrated GPS module
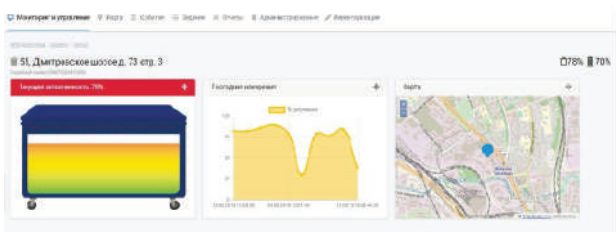▸ High accuracy in determining tank level

SOFTWARE

Graph of tank filling. Depth of storage is not limited. According to the accumulated data, reports are available in tabular and graphical form. Downloading data to Excel, PDF, CSV, JPG, PNG is available.

Map with the display of garbage bins and the level of their fullness. The system allows monitoring the operation of garbage trucks and sends notifications if the occupancy level reaches a certain level.

Intuitive dispatcher interface. Displays the level of filling of containers, in individual and group representation, in the form of text and mnemonic diagrams.