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waste24.net

Innovative solutions
in management
municipal economy

+
**Precise
management**
Manage waste management in
your location and fully manage
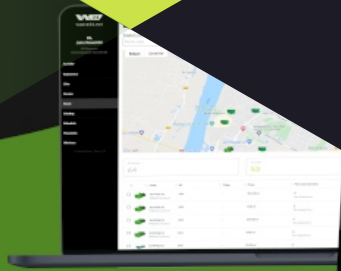your team of employees.

+
**Easier
planning**
Intuitively easy to use planning of
activities related to the delivery,
renewal and replacement of
containers.

+
Full control
Control and send orders to drivers
and carry out inventory in the field
with the help of geolocation
applications.

What does Waste24 Sp. z o.o. do?
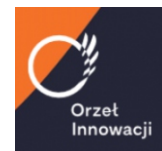
Prizes and awards:

Skey Network Challenge - prize CEO for integration
Waste24.net z blockchain

Mbank Digital Revolutions - mBank award for
Smieci.eu portal

"Orzeł Innowacji 2022" Rzeczpospolita -
an award for the "Ratio Waste" project

Winners in the ranking of the 12th edition of the
"50 creative people in business" - per Waste24.net system

Nomination for the **"Aulery 2022" award -**
for lifetime achievement

Distinction in the **EEC Startup Challenge 2023 -**
for the "Ratio Waste" project

Finalists of the **Carphatian Startup Challenge 2023**

Participants in the accelerator programme:
"Startups Powered by Invest in Lodz"

▶ Prizes Waste24 Sp. z o.o.

About Waste24 Sp. z o.o.

Waste24 Sp. z o.o. was founded in 2021 on the initiative of 2 founders, Lukasz Kaminski and Mateusz Gawin. The EEC Magenta fund invested in the project, which allowed the company to grow rapidly. The guiding mission of Waste24 Sp. z o.o. is "technology for the environment".

This process is implemented by digitalising the municipal economy and creating solutions that work in everyday life. The products created by the company can be used by companies, local authorities, various types of institutions and private individuals. Foremost among these are:

▶ Products Waste24 Sp. z o.o.
waste24.net

01 eMarket Smieci.eu - eMarket Smieci.eu was established in 2019 and has been generating revenue since its inception. Through the portal, utility services can be ordered to anywhere in the country. Amongst other things, Waste24 Sp's customers can source portable toilets, temporary fencing and have construction waste collected from anywhere in the country. Construction companies and private investors are keen to use eMarket. What sets the solution apart from the competition is that there is no need to commit to personal visits to the chosen Service Provider. Rentals are carried out in a completely remote manner. The eMarket is supported by a mobile app that improves the experience for mobile users. The website can be viewed at: https://smieci.eu.

02 SaaS for municipal companies - Lukasz Kaminski, i.e. one of the founders of Waste24 Sp. z o.o. worked for 15 years as logistics manager at the municipal company PUM Sp. z o.o. SaaS Waste24.net was created on the basis of his experience. Companies that provide utility services are very keen to use the system. The spectrum of Waste24.net's capabilities allows this type of business to be managed in logistical, financial and storage aspects. The SaaS is complemented by 2 mobile apps, 'Driver' and 'Inventor'. The software is integrated with container fill sensors and container locators.

03 Smart city solutions - Waste24.net also passes the test in the field related to Smart City. The software can be used to reduce the carbon footprint and optimise rubbish truck routes. An additional advantage of the system is its integration with blockchain, resulting in greater data transparency. The solution improves the urban ecosystem by contributing to better air quality and reducing the backlog of waste in waste bins located in the area.

▶ What is the "Digital Key" application?

The **"Digital Key" application** is another product of our company, which is based on the Skey blockchain. Our tool was created for individuals, companies and institutions that want to control access to a specific space or premises.

The **mobile software** for Android and IOS works with sensors that can be mounted on gates, barriers or intercoms. The application of the "Digital Key" application is very wide, and the effects flowing from its use cannot be overestimated. The solution we have developed allows:

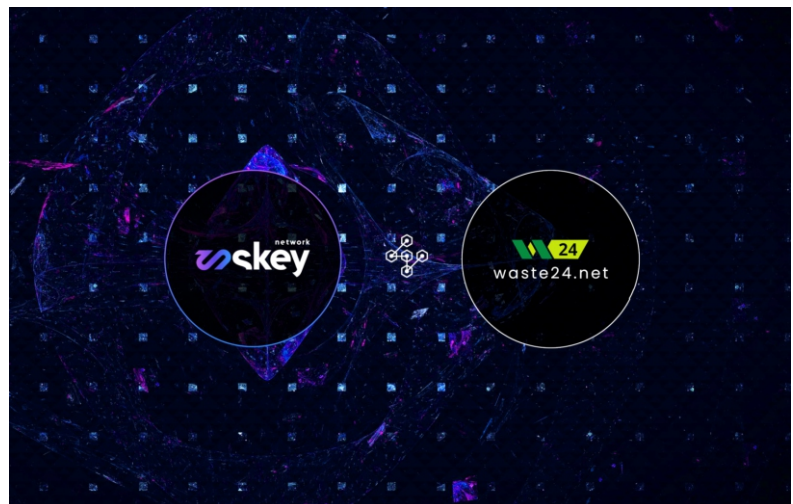# ▶ What features does our software have?

Generation of unique access keys - the "Digital Key" application works with the Waste24.net software in the area related to its integration with the **Skey blockchain**. The use of this technology is crucial, as it represents the safety of this method. In one of our SaaS modules, you can generate keys with access to specific devices and **assign them to people who can use them**. This will ensure that no unauthorized person can use them, and access to the office or yard will be narrowed down to a specific group of people.

Storing keys in the mobile app - using the **"Digital Key"** app, you can store accesses to specific locations in the memory of your smartphone and use them when needed. **The mobile software** indicates how far we are from a certain place and whether we can use the opportunity to get there at the moment. Such a solution is an excellent alternative to any kind of remote controls or traditional keys.

Quickly grant permission to use a specific key - generating a key based on the Skey blockchain takes a few seconds. So if there is a need to enter a place then it can be granted remotely. All you need to do is download the "Digital Key" application and log in to your account, which was previously created by the administrator. An example of the use of mobile software could be, for example, granting access to a dumpster shelter during a specific time period.

The **"Digital Key"** application will be perfect for the cities of the future. Its use will reduce the downtime associated with having to open gates or barriers and will help to eliminate traffic jams.

All property managers, city managers and company representatives are invited **to test** the software.

▶ "My Waste" app

"My Waste" app is one of the first solutions on the domestic market to automate the waste collection schedule.

With our solutions, it takes the form of a mobile app that is designed for Android and iOS users.

Among the many advantages of the app, it is worth mentioning those that directly determine its usefulness for local authorities and their residents.

▶ The capabilities of the "My Waste" app

Clear presentation of the waste collection schedule
"My Waste" app allows you to view the refuse collection schedule and check when individual waste will be collected. Thanks to this feature, you can check at any time and anywhere when the communal service will come at the given address. This reduces the involvement of the employees of the Commune Office in answering the constantly coming enquiries about the schedule of waste collection.
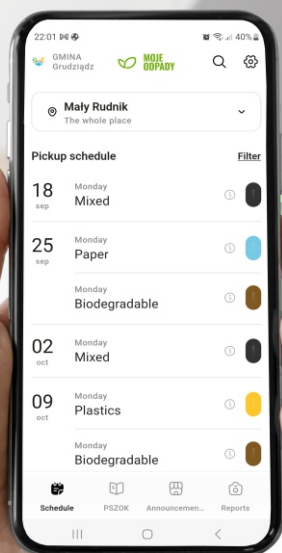
Waste directory
At the time when the disposal cost of one ton of municipal waste with code 20 03 01 is inevitably approaching the PLN 1000 limit, it is worth implementing appropriate segregation. Unfortunately, among the piles of articles of everyday use, many of them raise serious concerns as to which bin to put them in. Our waste directory, which is an integral part of the app, can help in the correct waste sorting.

Ad marketplace
From the point of view of the Waste Act, the priority in environmental protection is to reuse what is no longer needed. This becomes much easier with the "My Waste" app, as our mobile software has an ad exchange. Residents of a given area can therefore exchange any items and thus limit the stream of waste flowing to landfills.
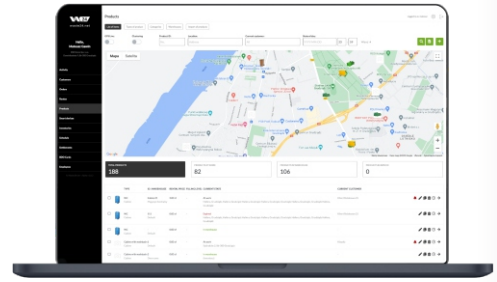
Facilities for the visually impaired
The "My Waste" app has a version for the visually impaired, making it more comfortable to use. Thanks to this, all residents of the commune can be included in the group of users.

Waste24.net is a system that, in addition to its use in public utility companies, can be successfully used as software for Local Governments.

It is supported by its useful features, which make it useful in the daily work of the Office.
The possibilities provided by our tool facilitate many tasks related to the daily service of residents.
So if you, as a Local Government, rely on modern solutions, then our software will make it easier to perform such tasks as:

Transmission of waste collection schedule - one of the modules of Waste24.net is "Schedule". It works in combination with the "My Waste" mobile app, which was launched in 2019. The product has been prepared for people who prefer presenting data in aesthetically pleasing mobile software instead of a paper spreadsheet. The "My Waste" application facilitates data exchange between the Municipality and residents, as well as provides an opportunity to report collection deficiencies and check information in the waste dictionary. Mobile software reduces the number of interventions, improves recycling levels which ultimately translates into lower costs for garbage collection on a macro scale.

Resource inventory - another module of the Waste24.net system is "Inventory". This piece of software also has its own mobile app, which allows you for an inventory from physical stock taking. Unlike a traditional inventory sheet, individual records can be enriched with photos showing, for example, waste bins or containers for used clothing. The data collected in this way are viewable on Google maps, and access to them is facilitated by various types of filters and an address search engine.

BDO support - the software for Local Governments also has a built-in module for supporting the Waste Database [BDO], or the popular BDO. Without having to log in to the government portal, the user can carry out individual operations on the KPO and KPOK cards. This reduces the time required for each individual record to be edited. In this way, the authority overseeing the collection system can gain greater control over Waste Collection Contractors. In this way, the authority overseeing the collection system can gain greater control over Waste Collection Contractors.

Checking the fill level of bins - it would seem that in the current refuse collection system the use of bin fill sensors would be negligible. And although waste from residents is collected on a schedule, it still makes sense for many properties to use advanced sensors, the data from which is recorded in the Waste24.net system. Public facilities and recreational areas are good examples of this. The use of our solution not only generates considerable savings, but also contributes to reducing the carbon footprint by consuming less energy resources. A major advantage of an ecosystem built in this way is the use of data verification in a distributed blockchain database. In this way, they are more reliable and it is impossible for outsiders to edit them. Our company was awarded the Rzeczpospolita's 'Eagle of Innovation' for the design of the bin-filling sensors.

eMarket Place Smieci.eu was established in 2019 based on the combined knowledge and experience of its founders. The first service that was intended for a wide range of customers was the rental of portable toilets, which was soon expanded to include the possibility of ordering a waste container and temporary fencing. Thanks to the constant expansion of the circle of suppliers, Smieci.eu is becoming an increasingly recognized brand that can respond to the needs of customers. We are digitizing the industries that contribute to the utility base, and we are striving to do it in an increasingly efficient way.

We operate throughout Poland

The Smieci.eu portal is a modern tool for ordering public utility services online. With our help, you can rent a container or a toilet, as well as order collection of waste from construction sites. We would like to invite individuals and companies from all industries to cooperate with us. Never before have utility companies been so close to their customers !

Waste collection

Temporary fence rental

Toilet rental

Smieci.eu works within the entire country. This means that it is always close to their customers who want to effectively dispose of waste or rent a fence or toilet. Thanks to our skilled team of consultants, we are always able to support our customers and offer them a service that is not only affordable, but also complies with applicable legislation. We use certified suppliers who have the necessary decisions and permits. With us, waste will go where it belongs, and wastewater will be delivered to the treatment plant. The value-added services we have brought into the 21st century include:

- Online payments
- Processing of waste transfer cards and municipal waste transfer cards on behalf of the customer
- A customer account that allows users to track the history of the orders Reminders of expiring rental terms The ability to quickly create estimates and make calculations
- More than 100 suppliers

Orders for toilets, cooperation
phone No. +48 56 662 94 65

Orders for containers and fencing
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