

T-MASTER

Pay as you throw Save as you sort



Since 2017, we have been providing Polish cities with waste management solutions that not only meet legal requirements but also effectively support residents of multi-family housing estates in efficient waste segregation.

THE EFFECTS of system implementation in numbers:



91%

waste quality control with a correct result T-MASTER S.A. is a Polish technology company. We design and manufacture our products in Poland.

With over 20 years of experience in the market, we have gained expertise in creating IT and electronic solutions for major clients in the public sector in the country.

Over 500 devices delivered



22 CITIES HAVE TRUSTED US, AS WELL AS RENOWNED COMPANIES



Each day brings more of them...

2









Shopping centers

fashion boutiques



WE CHANGE CITIES

We introduce innovative solutions that change the way we handle waste. Our smart containers not only make waste disposal easier but also improve the hygiene of the environment in which residents of multi-family housing estates live.

SEE SOME OF OUR PROJECTS















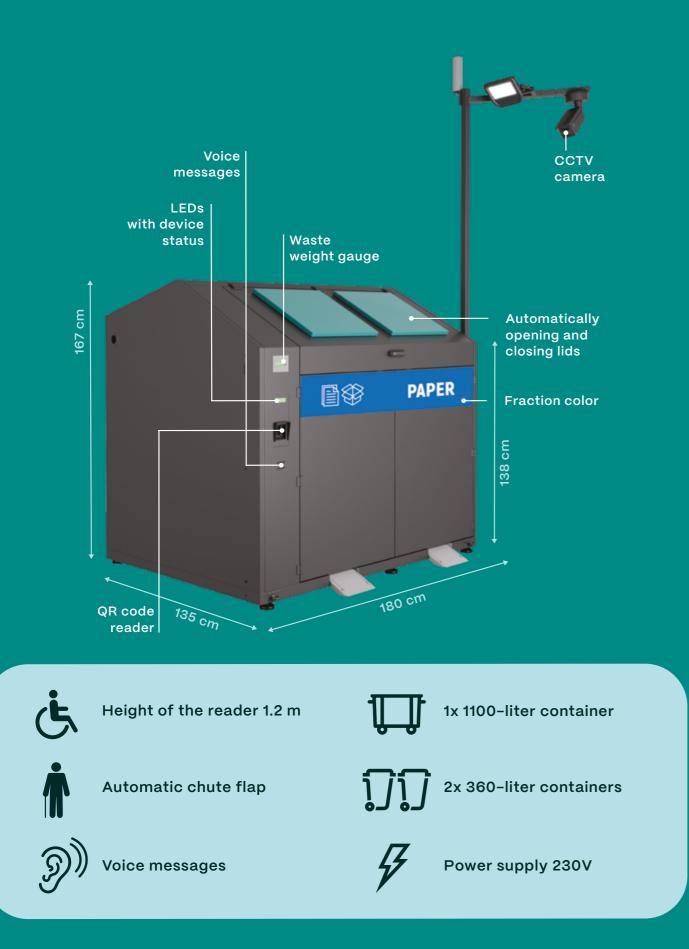
We have created a system that **GUARANTEES:**

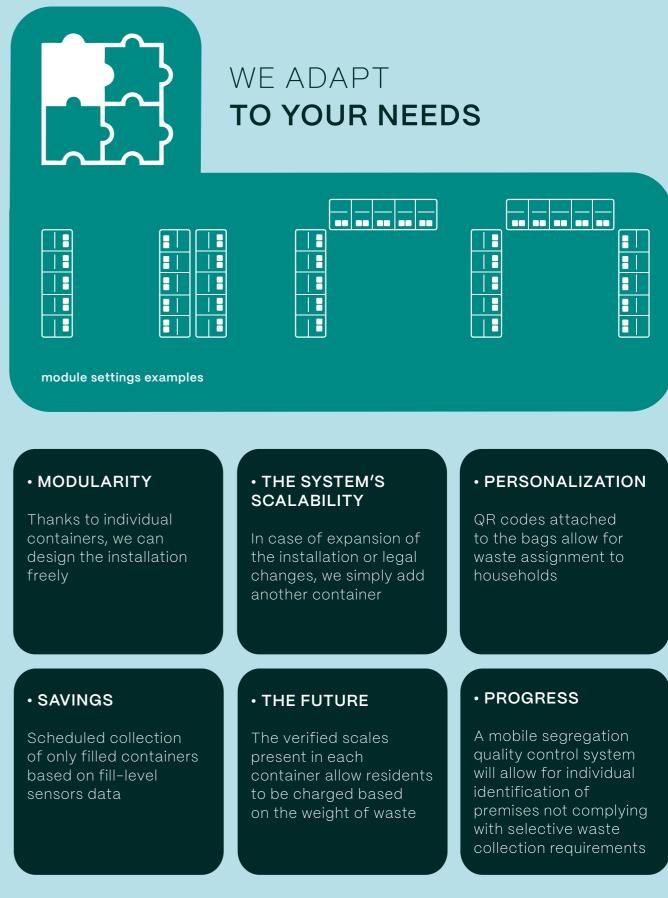




elimination of collective responsibility

SMART CONTAINER- DROP&GO electronic municipal waste gauge





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HOW IT WORKS?



1. Every household receives packages with QR code stickers



2. Residents sort waste into separate bags in their households



3. Single-use QR code opens the container and assigns the type and weight of waste to an individual user account



4. The mobile app facilitates accurate waste sorting and monitors residents achievements in waste sorting and reducing waste volume



5. Quality control over segregation is provided by IWO apps



6. Waste management application check

Watch the movie

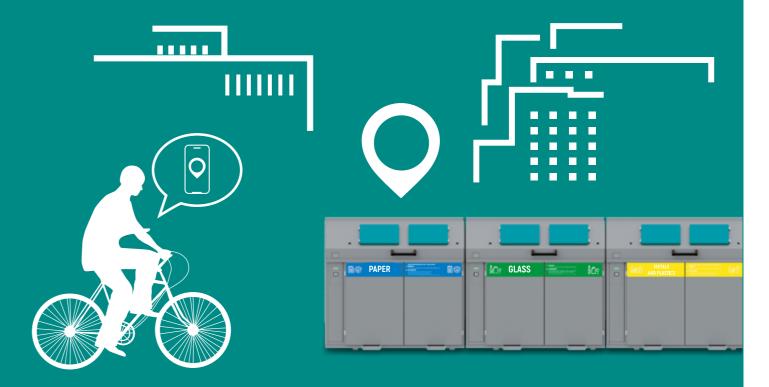


miniPSZOK 247 Self-service 24/7 installation close to residents

Our facilities offer a safe and environmentally friendly solution for disposing of problematic waste like light bulbs, batteries, and expired medicines.

By locating these points close to housing estates and shopping centers, we provide easy access for residents, which contributes to reducing the amount of waste dumped on the streets and in illegal landfills.

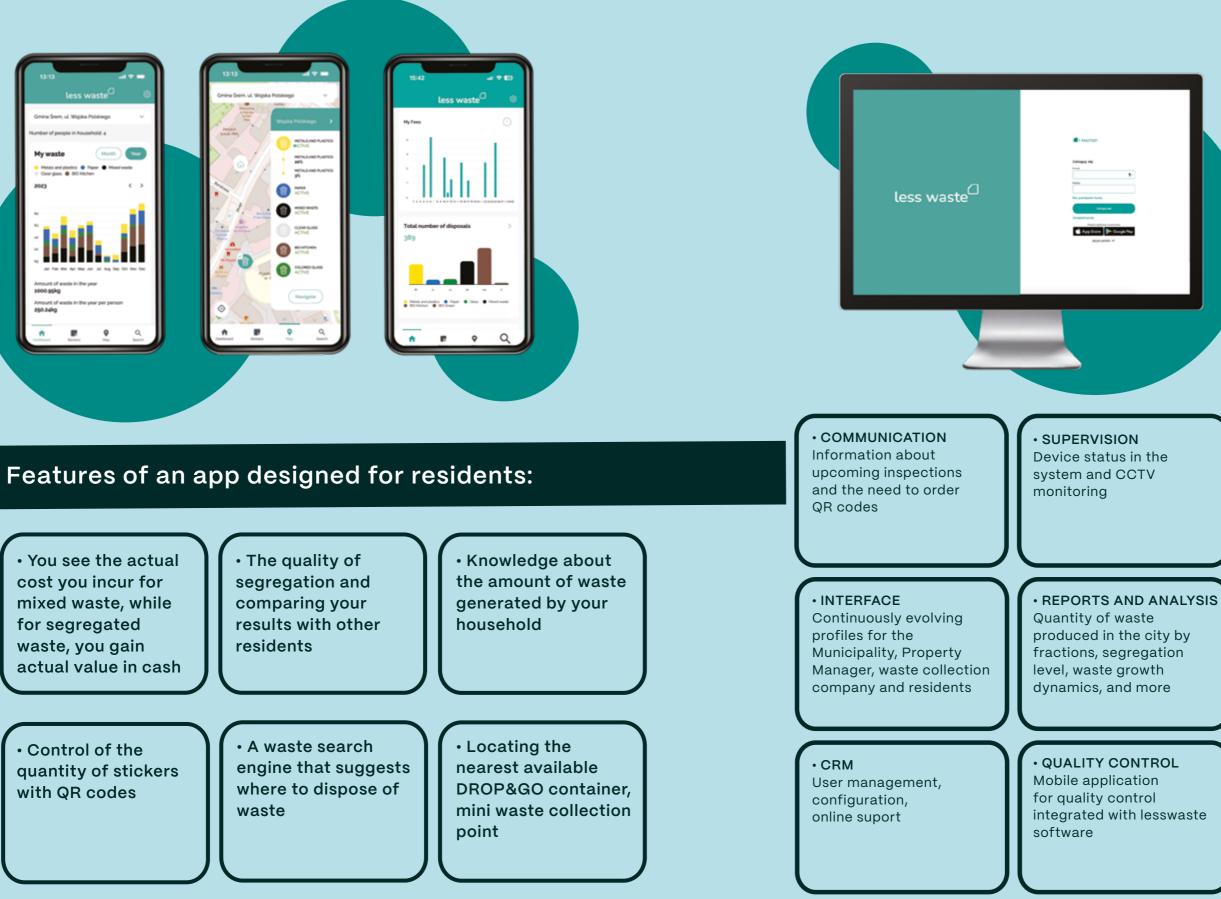
Moreover, the possibility of using these devices as collection points for recyclable materials encourages residents to actively participate in recycling. This contributes to increasing recycling levels in our municipality and supports sustainable development goals.



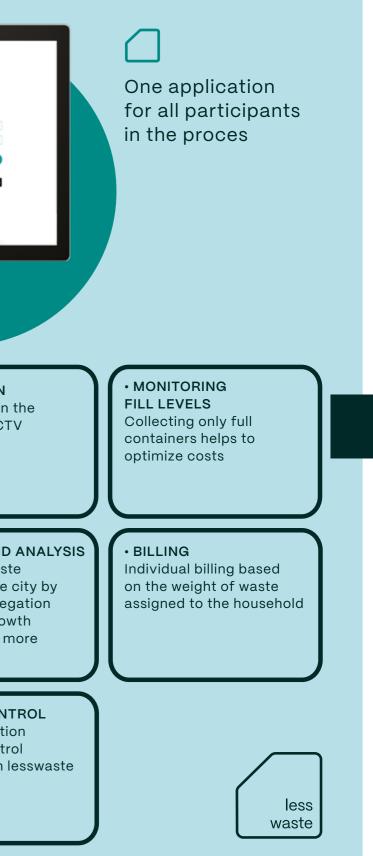
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LESS WASTE APP helps and educates

LESS WASTE APP to support waste management







Production of devices and software		
Device servicing and repair	Poland	
Maintenance and development of the IT syste	em	
MECH	ANICAL LAYER	
Device construction	modular	
Installation design	the number of containers in the installation is flexible and limited only by the buyer's vision. The arrangement of modules is flexible, ideally maximizing the available space.	
Height of the device – insertion opening	1, 38 meters	
Number of interfaces	1 interface per 1 container	
	(short service time – no occupied session – only one container is affected in case of failure	
Installation lighting	YES	
	(LED – activated by motion/energy – saving)	
Opening method for users/residents		
manual	XE0	
automatic	YES	
Waste collection method by	Each container directly	
the municipal company	(short service time)	
ELEC	TRONIC LAYER	
Access control system		
RFID cards		
Barcode codes		
QR codes		
RFID chips]	
RFID proximity reader 125 KHz/UHF		
MIFARE proximity reader		
LED indicator for bin availability	YES	
CCTV system		
Automatic detection of waste tossing		
Automatic detection of bulky waste		
Bin fill level measurement system	_	

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	Certified waste weight measurement system (basis for commercial settlements)
	Fire detection system
	Device communication system with central layer
	Unauthorized access detection system to the device
	IT LA
	Server room location
	Redundant network architecture
	Backup copy
	Software
	Software in multiple language versions
	Website interface for the Client/Owner
	Website interface for the waste collection company
	Website interface for Property Manager (e.g., HOA, Property Management, Public Housing)
	Website interface - individual account for user/resident
	Mobile application for residents
	CRM system (user management, communication, support)
	Electronic service/repair request system
	Individual billing system based on waste weight (billing)
	Statistics
	Records of the number of drop box openings
	Records of residents/users
	Records of waste quantity (based on authoriza- tions/openings)
	Records of waste weight (certified measurement)
	Records of container fill levels
	Waste segregation control based on fraction percentage
	Quality control of segregated waste
	Mobile app for quality control
	Automatic detection of anomalies targeted for quality control (precision = low cost)
	Electronic circulation of quality control results

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GSM (LTE or FTTH)

YES

YER

Poland

YES

YES



FACILITIES		
Visually impaired individuals	YES (voice messages)	
Individuals using wheelchairs	YES (automatically opening flap)	
WARRANTY		
Warranty period	12 – 60 months	
Manufacturer's warranty for the casing (sheet metal)	even up to 10 years!	
Duration of IT system maintenance		
	YES	
Duration of device maintenance/service		

They're talking about us



FOLLOW OUR SOCIAL MEDIA **PROFILES AND STAY UP TO DATE** WITH US

One device multiple possibilities



CLOTHES DISPENSER

Our smart containers were designed for collecting municipal waste, but they also work well as clothes dispensers.

Install in a housing estate, shopping center or frequently visited places in your city and take textile collection to a higher level.





We cooperate:



Our devices are used by









T-MASTER Weigh in Box

Universal Solution for Underground ontainers

The device for recording and weighing separately collected municipal waste is intended for integration with the underground container system.

KEY FEATURES OF THE SOLUTION ARE:

- Legalized weight measurement system
- Waste registration system using an individual QR code on the waste bag or RFID card
- Access control system to the underground container chute, possible only after waste registration in the Weigh in Box device
- CCTV monitoring system for each collective installation
- Mobile tool for quality control of waste segregation

Waste disposal process



QR codes



2. Residents segregate waste at home into separate bags and affix individual QR codes





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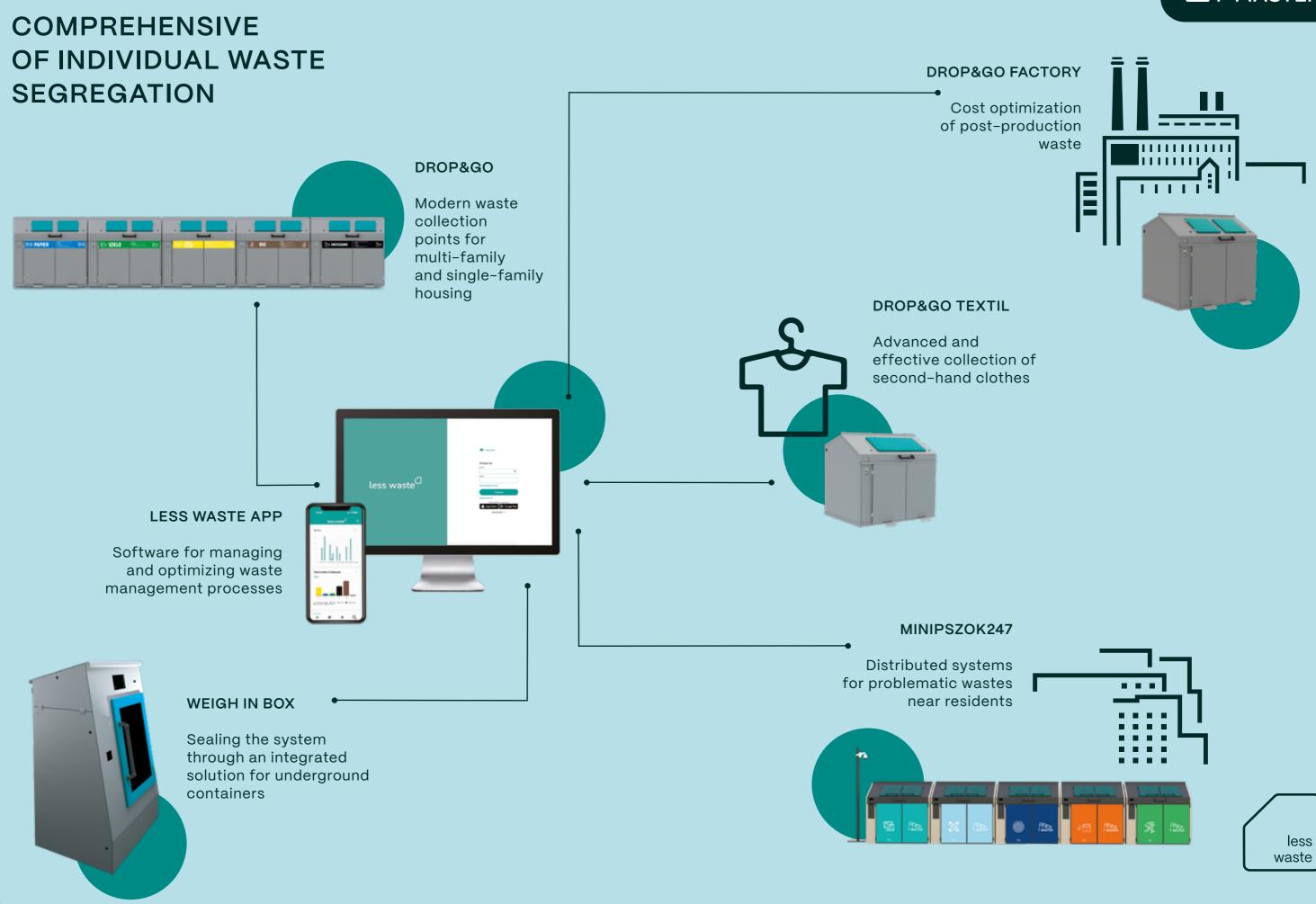




1. Distribution of sticker packages with

3. The QR code on the bag serves as a one-time key to the device. After placing the bag and selecting the type of fraction to be disposed of, the waste is weighed

4. After completing the process in Weigh in Box, the flap of the appropriate container opens. You can then place the bag with the corresponding waste inside







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