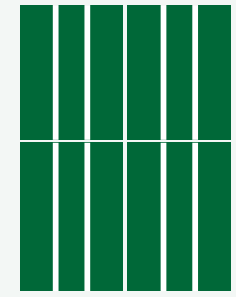


# SEG

## SAS ECO GREEN

# Sustainable Smart Cities

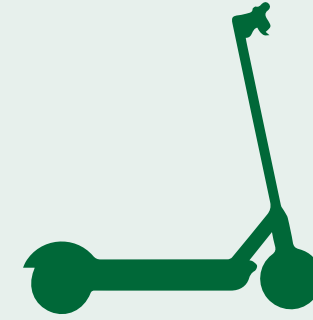
المدن الذكية المستدامة



TORQUE  
Panels



Wooden  
Houses



Kick  
Scooters



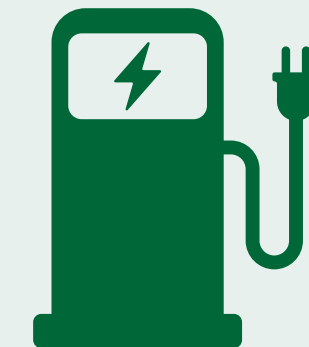
Smart  
Homes



Smart  
Parking



Waste  
Management



Electric  
Charging Units





# الألواح الخرسانية المسلحة بالألياف الزجاجية TORQUE PANELS

و هو نظام بنائي حديث مدروس إنشائياً بحيث لا يحتوي  
علي حديد التسليح نهائياً و يستهلك ٢٠٪ من كمية الأسمنت  
المستخدمة في النظام التقليدي للبناء.

# مميزات الـ TORQUE PANELS

## مادة غير قابلة للإشتعال ولا ينتج عنها أدخنة سامة

تم تخطيطها لإختبار الجمعية الأمريكية.

## تقليل نسبة ثاني أكسيد الكربون المنبعث بنسبة ٩٠٪

نظرا لخفة وزن الحوائط المصنعة بنظام TORQUE فذلك يقلل من إستهلاك الوقود

بنسبة ٩٠٪ أثناء عملية النقل و التشوين عن الخرسانة الجاهزة.

## طول العمر الافتراضي

يمتاز نظام TORQUE بأنه طويل الأمد غير منكمش وغير متمدد ولا يحتوي علي حديد

مما يقلل من الإستبدال و التصليح و إعادة الطلاء.

## مضاد للحشرات و القوارض

استعمال نظام TORQUE PANELS كبديل للأخشاب

يقلل من انبعاثات المبيدات الحشرية السامة.

## المواد الخام المستخدمة هي مواد طبيعية و متاحة

رمل نقي+ أسمنت+ ماء صالح للشرب + A.R Fiber ( مصنوع من أنقي أنواع الرمال)

و هذه المواد كليا متوفرة في جميع الدول

## الـ Fiber المستخدم ليس له أضرار علي صحة الإنسان

الـ Fiber المستخدم في عملية التصنيع له سمك ١٤ ميكرون

مما يجعله غير قابل للاستنشاق أثناء التصنيع

## تخفيض الطاقة المستهلكة في الصناعة بنسبة ٨٠٪ أقل من المباني التقليدية

نظرا للتصنيع المسبق ممايجعلها ثابتة و هذا يوفر الطاقات المستخدمة في طرق البناء الاخرى

ويقلل من انبعاثات ثاني أكسيد الكربون

## تقليل المواد العازلة

## عدم وجود نفايات

لا توجد مواد خام تخطأ أو تصب ولا دهانات لتكملة العمل في المواقع

لذا لا يوجد مخلفات تنتج من عملية التركيب



# مشاريع تم تنفيذها بنظام TORQUE PANELS





# مشاريع تم تنفيذها بنظام TORQUE PANELS



كسوة واجهات فندق سونستا





We offer **ready-for-use** and perfectly engineered in every single detail **wood-core structures system** together with certified assembly elements and precise assembly manual.

To start with, our innovative system was diligently calculated, after that designed and then underwent 3-year-long numerous inspections and tests at the Silesian University of Technology.

The results of the tests confirm the **durability and strength** of our modular wood-core system.



**WOOD  
CORE  
HOUSE**

# WOOD CORE HOUSE

## Manufacturer of modular wood-core structures

In the production process we use mainly construction solid **timber** joined by means of keyed joints (KVH) and glued laminated timber (BSH), free from any material faults, fungi and insects, fulfilling the following technical specifications:

- strength grade: C24 in accordance with PN-EN 338:2016
- production in accordance with the PN-EN 14080:2013, PN-EN 15497:2014, PN-EN 336:2013-12 standards
- four-way planed and chamfered timber
- chamber dried timber with humidity 15 % +/- 3%
- fire retardancy: D, s2, d0 (PN-EN 14080:2013)



KVH WOOD



CERTIFIED MATERIALS



ENERGY EFFICIENCY



ENVIRONMENTAL CONSCIOUSNESS



CONSTRUCTION REGARDLESS OF THE SEASON









# Grenton

better home technology

## Grenton لحلول الطاقة والبيوت الذكية

Grenton تقدم التحكم الفوري في أنظمة البيت مثل الستائر والأبواب والجراجات و التكييف والكاميرات والإنذار والأجهزة الكهربائية بدلا من إستخدام أنظمة مستقلة من خلال هاتفك الجوال.



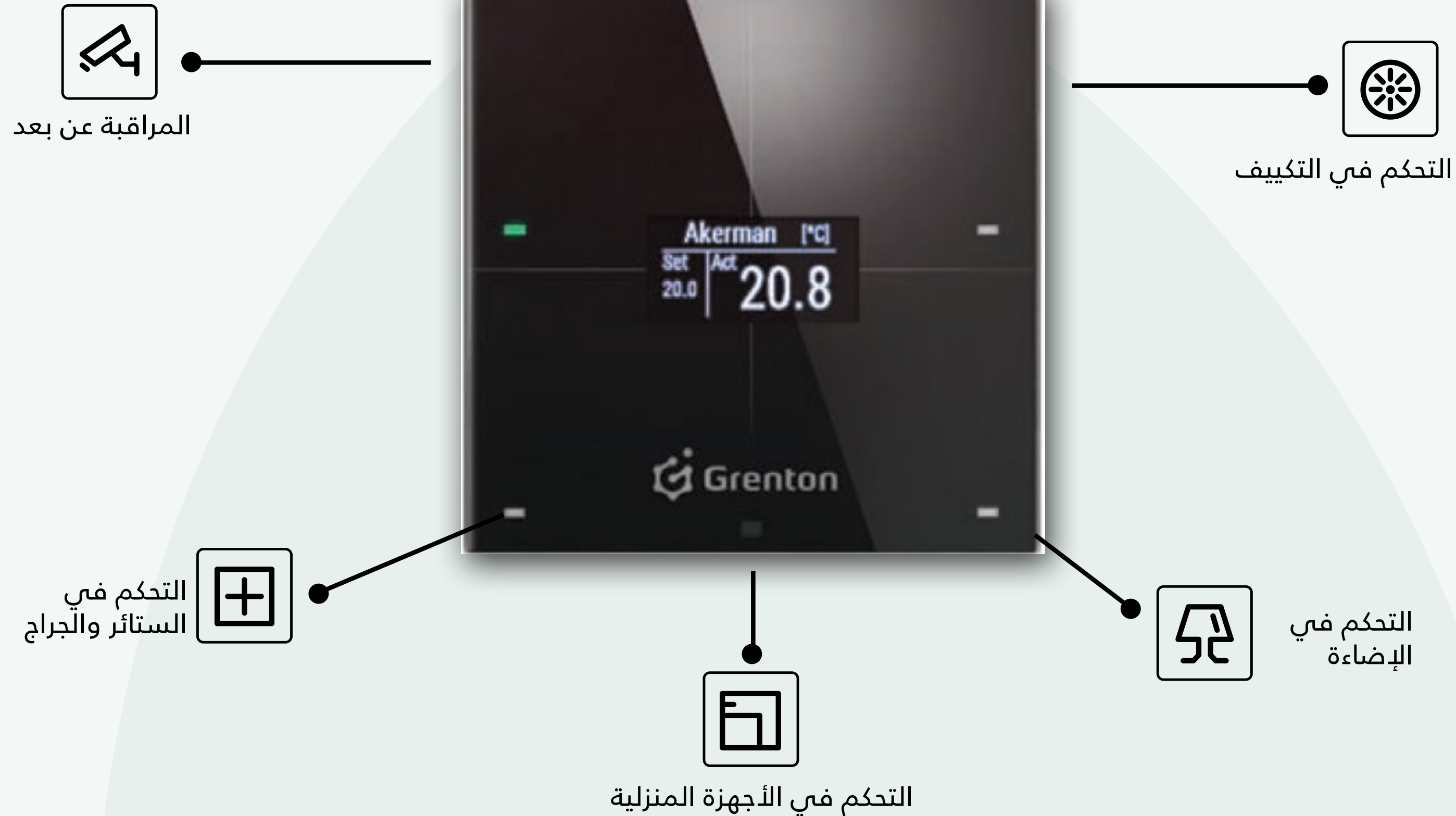




# Grenton

better home technology

## لوحة تحكم شاملة





# Grenton

better home technology



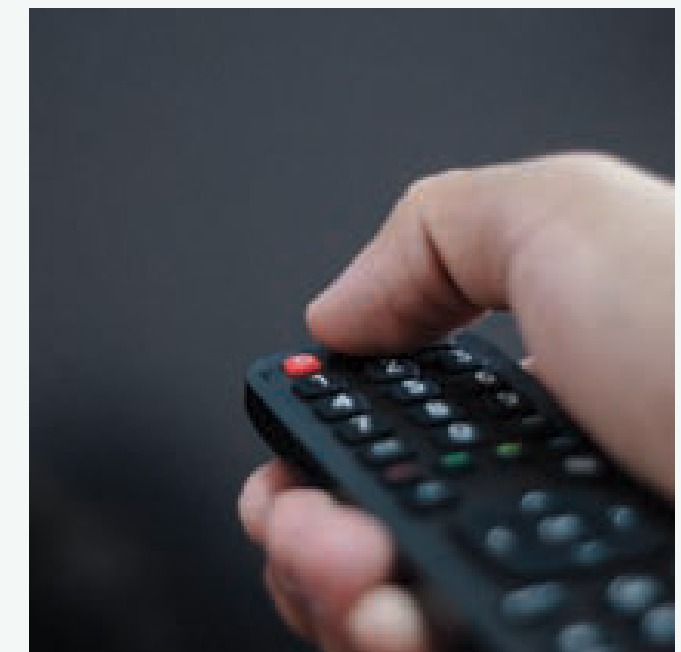
وحدة لاسلكية للتحكم في المناطق



مفتاح ذكي



مستشعر إيماءات



وحدة ريموت للتحكم



# Honeywell

THE POWER OF **CONNECTED**

## INNCOM E7 Thermostat

The next generation of INNCOM energy management solutions

## OVERVIEW

The INNCOM E7 Thermostat is a direct digital control programmable thermostat that provides comfort and reduces in-room energy costs by up to %35 based on occupancy. This next generation thermostat offers simple solutions that reduce complexity in most HVAC applications. It is the main component of the INNCOM technology enabling platform that provides integrations with more third party technologies which range from property management systems to in-room voice control. The INNCOM E7 thermostat also provides real-time and trended data, when deployed in a networked application, for INNcontrol™3 to furnish room status, energy management, equipment alarm reporting, integration to PMS, BMS and other systems, allows the property to proactively manage the environment to ensure the most satisfying in-room experience.



## FEATURES & BENEFITS



A beautiful industrial design with a large easy to read keypad  
Provides standalone or networked energy management



Integrates with Amazon Alexa Voice Control  
Optional external wired or wireless temperature and humidity sensors  
Compatible with most HVAC systems



On-board digital and analog I/O  
On-board motion sensor  
Smart wall plate captures configuration and will upload it into a replacement thermostat



Provides real-time data to INNcontrol 3 for reporting, monitoring, central energy control, and diagnostics  
Easy third party integrations with Central Electronic Lock Systems and other technologies



A dynamic, intuitive user interaction that welcomes the user, with an adjustable backlight based on detected light level



# Control4®

## Control 4 Smart Home Solutions

- Famous brand world wide with having top sales in the world in smart home business
- American brand quality
- Open source integration
- AV System full integration & control
- It have indeed fully control over the house
- Entertainment/Automation Controllers Which have built in audio & video controllers adding with controlling light, AC, shutters....etc.
- Automation Controllers Its for solution that for clients that do not need audio & video control.
- Wireless Controllers Which uses Zigbee for lighting, remote controllers, ....etc.

## Control 4 Interfaces

- Portable 7inch touch screen
- In wall 7inch touch screen
- Remote control (Zigbee)
- Normal push switches (wired/wireless)
- AC Thermostat

## Control 4 App

- Customer accessible programming
- Bigger buttons easier to read text
- Crafted Icons: active inactive, transitioning states
- UI is great for one-room solution or homes with thousands of devices
- Filter to what's on, open, non-secure
- Adjust the volume of sounds for all rooms







# Smart, Simple & safe.

Home and commercial  
charging solutions





# About Us

A significant rise in the adoption of electric vehicles in the past few years has been witnessed worldwide.

Increasing awareness and ongoing environment-friendly efforts across the globe is fuelling the growth of the electric vehicles market, which in turn, is driving the market of electric vehicle charging systems. Moreover, the technological advancements aimed at developing affordable charging solutions are likely to drive market growth.

Against this backdrop and in line with our corporate strategy growth, CITA has recently launched its new product range of e-Mobility solutions to answer the market's need for electric vehicle charging solutions. CITA EV is equipped to provide world-class solutions for charging for homes, businesses and cities alike.





# Who we Serve

- Electric Vehicle Drivers, Workplaces and fleets.
- Residential areas.
- Retail & Hospitality.
- Commercial Parking & fleets.





# Products



## Smart 7



Efficient Charging



CITA Smart EV App Operation  
via WiFi/4G/Ethernet



1.4kW - 7.2kW Power Range



RFID Access



Compatible with all  
**Type 2 Charging Cables**



Solar PV Compatibility  
with CT clamp



## Smart 11



Efficient Charging



CITA Smart EV App Operation



11kW Power Range



RFID Access and  
Mobile Payments



Compatible with all EVs



Solar PV Compatibility  
with CT clamp



## Smart 22



Efficient Charging



CITA Smart EV App Operation



22kW Power Range



RFID Access and  
Mobile Payments



Compatible with all EVs



**Easy installation and  
maintenance**



# Products



## Smart 44



Efficient Charging



CITA Smart EV App Operation



2x22kW Power Range



RFID Access and  
Mobile Payments



Compatible with all  
Type 2 Charging Cables



Easy installation and  
maintenance



## Smart 60 DC



Efficient Charging



Up to 60kW Power Range



Compatible with Type 2,  
CCS1/CCS2 and CHAdeMO



CITA Smart EV App Operation  
via WiFi/4G/Ethernet



RFID Access and  
Mobile Payments



Easy installation and  
maintenance



## Smart 120 DC



Efficient Charging



Up to 120kW Power Range



Two CCS2 DC connectors for  
simultaneously charging



CITA Smart EV App Operation  
via WiFi/4G/Ethernet



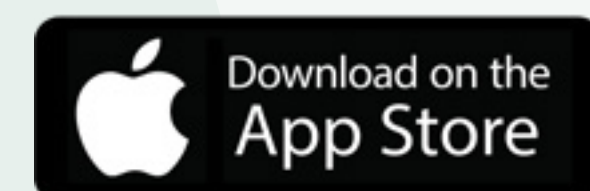
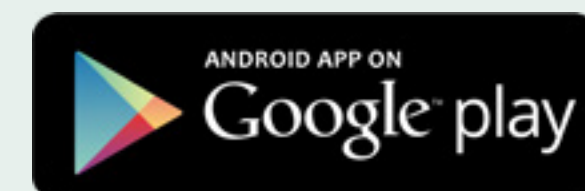
RFID Access and  
Mobile Payments



Easy installation and  
maintenance

# CITA Smart EV Conncet App

- Realtime operation with current control according to your needs
- Smart and schedule charging feature
- View real-time charging history, consumption and savings
- Charging insights with analytics





# CITA Smart EV Station App

CITA Smart EV Station is a simple yet intelligent platform for EV drivers. Using our app, drivers can find CITA Smart charging stations at the most convenient time and location and pay for services online after each session.

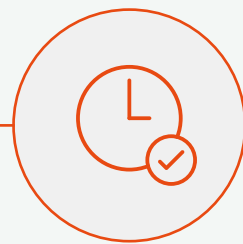
## Book your parking session in no time



Find nearest CITA EV charging station



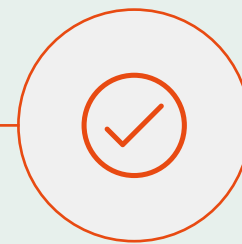
Select the correct vehicle



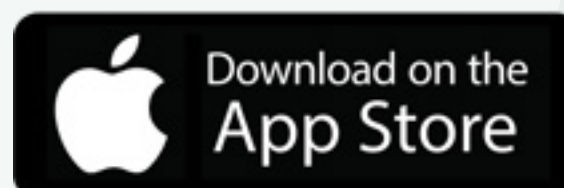
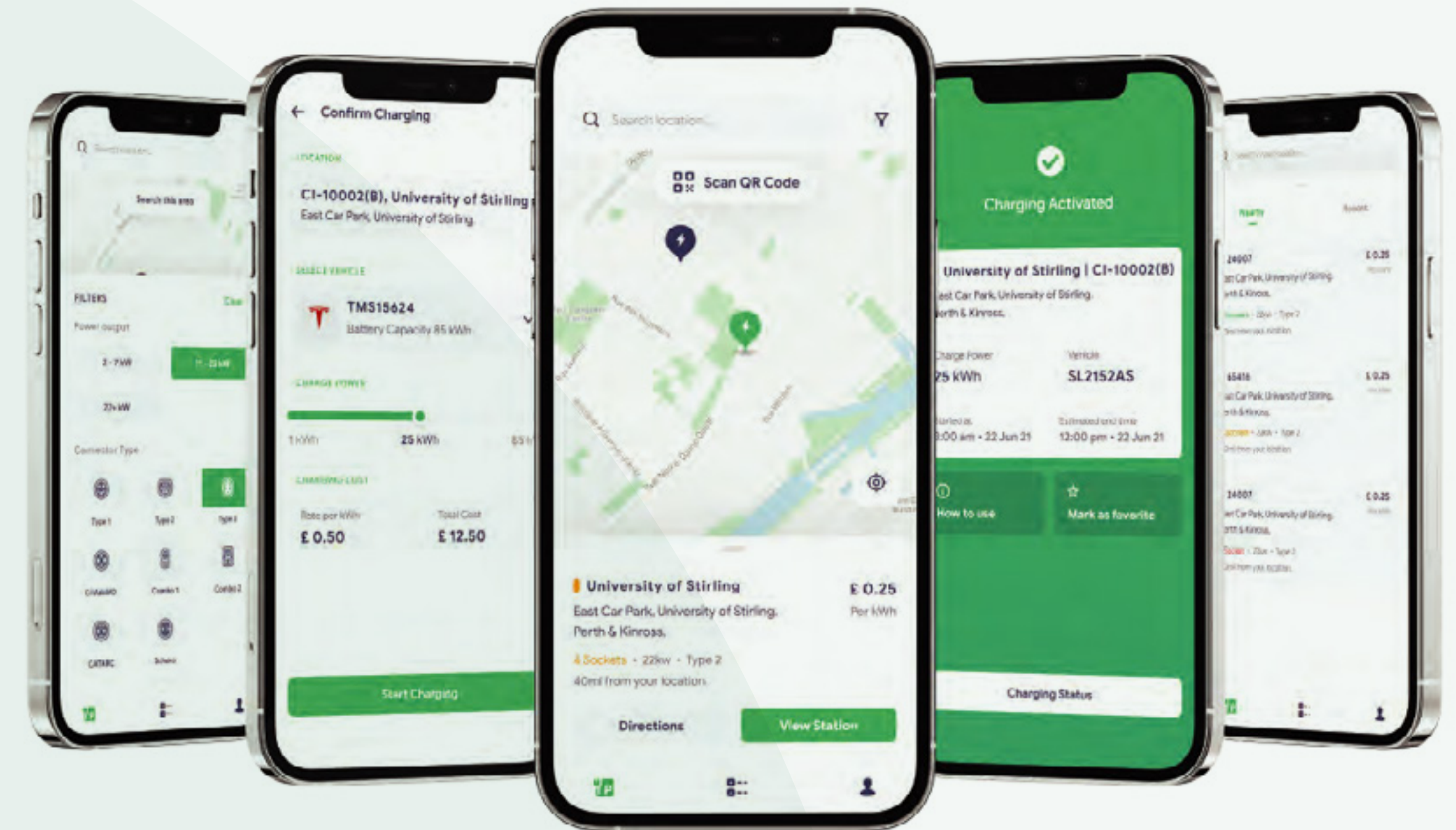
Select desired charge capacity



Check your payment method



Start charging your vehicle!





# CITA Charger Management System

Easy & Smart Management

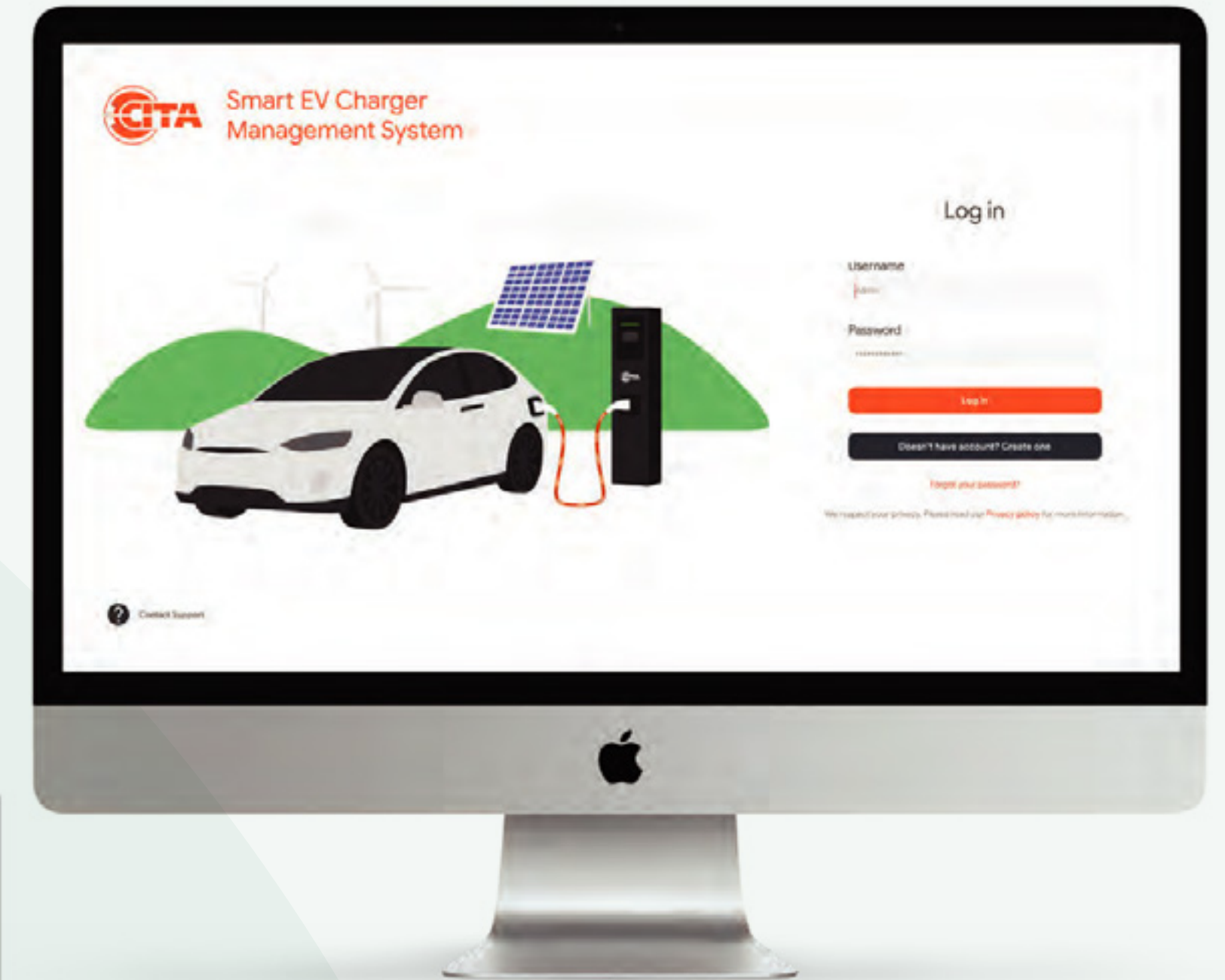
Analytics of your Buisness Growth

Simple Invoicing System

Smart Load Management

Limitless Station Management

Set your own Charging Fees





**T.A MASTER S.A** is a Polish technology company focused designing and manufacturing intelligent containers for selective collection of municipal waste and creating IT solutions for infrastructure management, data aggregation and analysis.

The company was established in 2017 and its core is a team having experience in creating large IT and electronic systems and designing and mass production of devices. Many years of cooperation with local government representatives allows us to provide our client with expert support and consultations in the field of diagnosis of the current state of waste management and implementation of system solutions for effective selective collection in municipalities.

Our goal is to provide municipalities with a comprehensive and effective system for selective municipal waste collection and segregation in residential buildings and computerization of Selective Collection Points of Municipal Waste. The System designed by our company is based on integrated and modern technological solutions that make fulfilling the segregation obligation simple and pleasant for residents.

In the future, the Personalized Waste Segregation System will allow to personalize the settlement of waste collection costs for residents based on their specific weight and type.





# T-MASTER ELMO – ELECTRONIC MUNICIPAL WASTE GAUGE

## SINGLE- AND MULTI-FAMILY HOUSING

Intelligent modules for selective collection of municipal waste are a solution enabling the introduction of personalized segregation in multi-family housing.

Only authorized users have access to the modules. The „key” to open the lid of the container are QR code stickers put on bags with sorted waste and scanned before throwing away by residents. After scanning the QR code, the lid of the container opens automatically and the system records the weight and type of waste disposed of by individual households.



Tightly closed modules also play an important role in maintaining hygiene and order in the estate, and the CCTV monitoring accompanying each system provides safety and order around. The modules are designed to fit standard 1100 l containers.

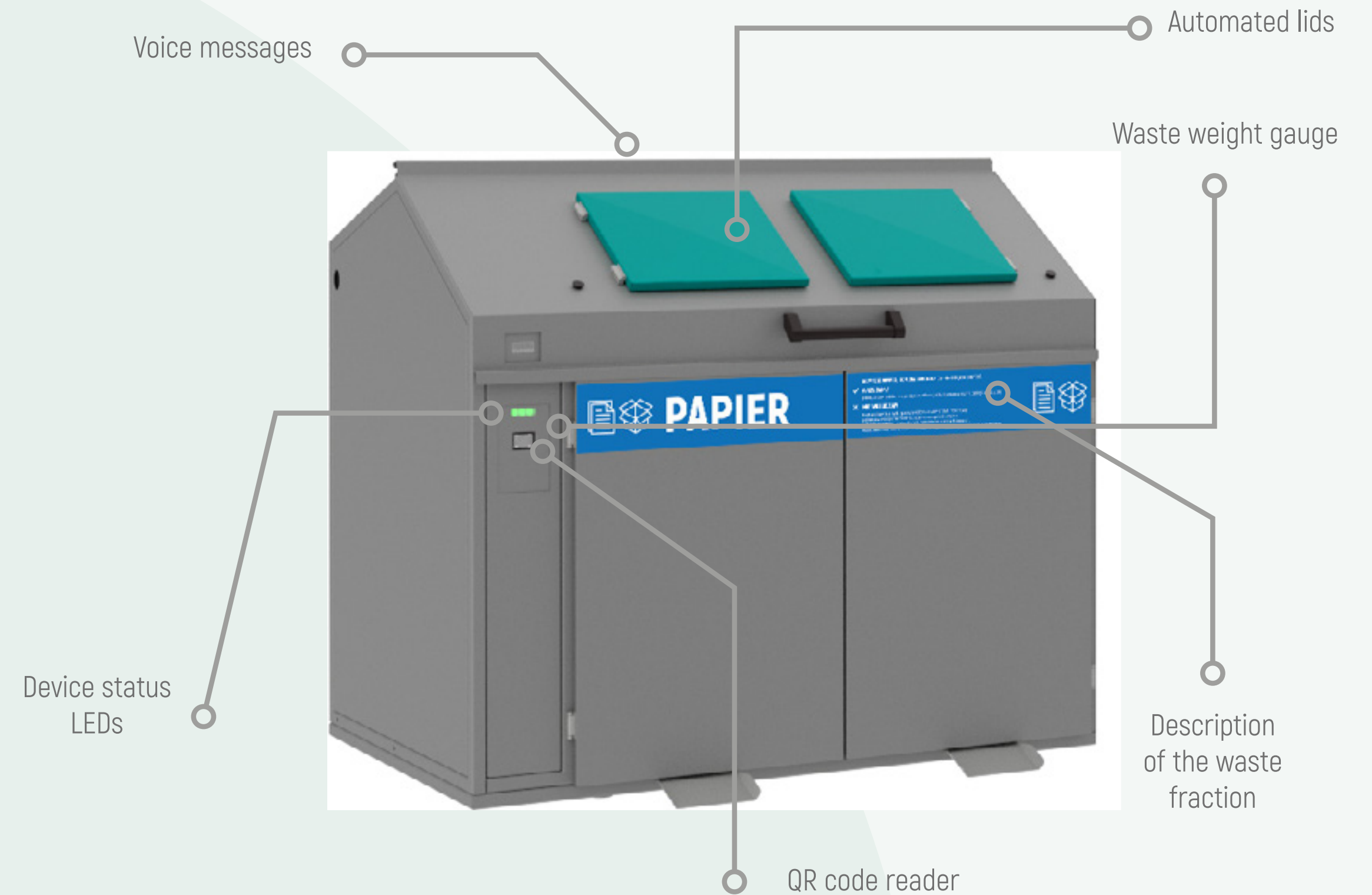


# T-MASTER ELMO – ELECTRONIC MUNICIPAL WASTE GAUGE

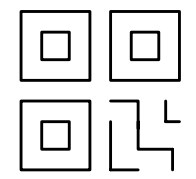
## SINGLE- AND MULTI-FAMILY HOUSING

The key components of this comprehensive solution are:

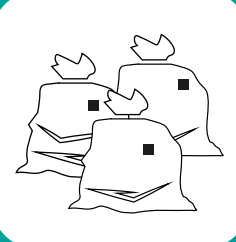
- System of legal waste mass measurement
- System measuring the fill level of containers
- QR Code access control system
- CCTV monitoring system
- mobile segregation quality control System



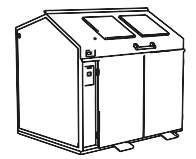




EVERY HOUSEHOLD RECEIVES PACKAGES  
WITH **QR CODE STICKERS**



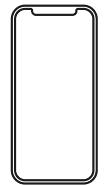
RESIDENTS **SORT WASTE INTO** SEPARATE  
BAGS IN THEIR HOUSEHOLDS



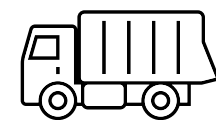
SINGLE-USE QR CODE OPENS A CONTAINER  
AND **THE TYPE AND WEIGHT OF WASTE IS  
ASSIGNED** TO AN INDIVIDUAL ACCOUNT



**QUALITY CONTROL OVER SEGREGATION**  
IS PROVIDED BY IWO APP

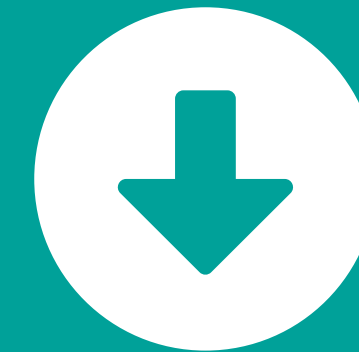


**WASTE MANAGEMENT APPLICATION**



CONTROLLED AND EFFECTIVE **COLLECTION**

**CHECK HOW THE SYSTEM WORKS**





# T-MASTER PRESTIGE – UNDERGROUND WASTE CONTAINERS

Underground containers allow for optimal use of space, saving the investment area, increasing the area of the building or parking lot. The underground structure is also ideal for public facilities such as shopping centres or sports facilities, in line with eco-trends and the Smart City concept.

**T-Master PRESTIGE is a modular device. 1 platform consists of 3 chutes and 3 standard containers with a capacity of 1100 litres for waste collection hidden underground.**

EACH WASTE KIOSK IS EQUIPPED WITH:

**QR code reader**

**User interface (Audio & Visual)**

**Electric locks guaranteeing access for authorized persons only.**

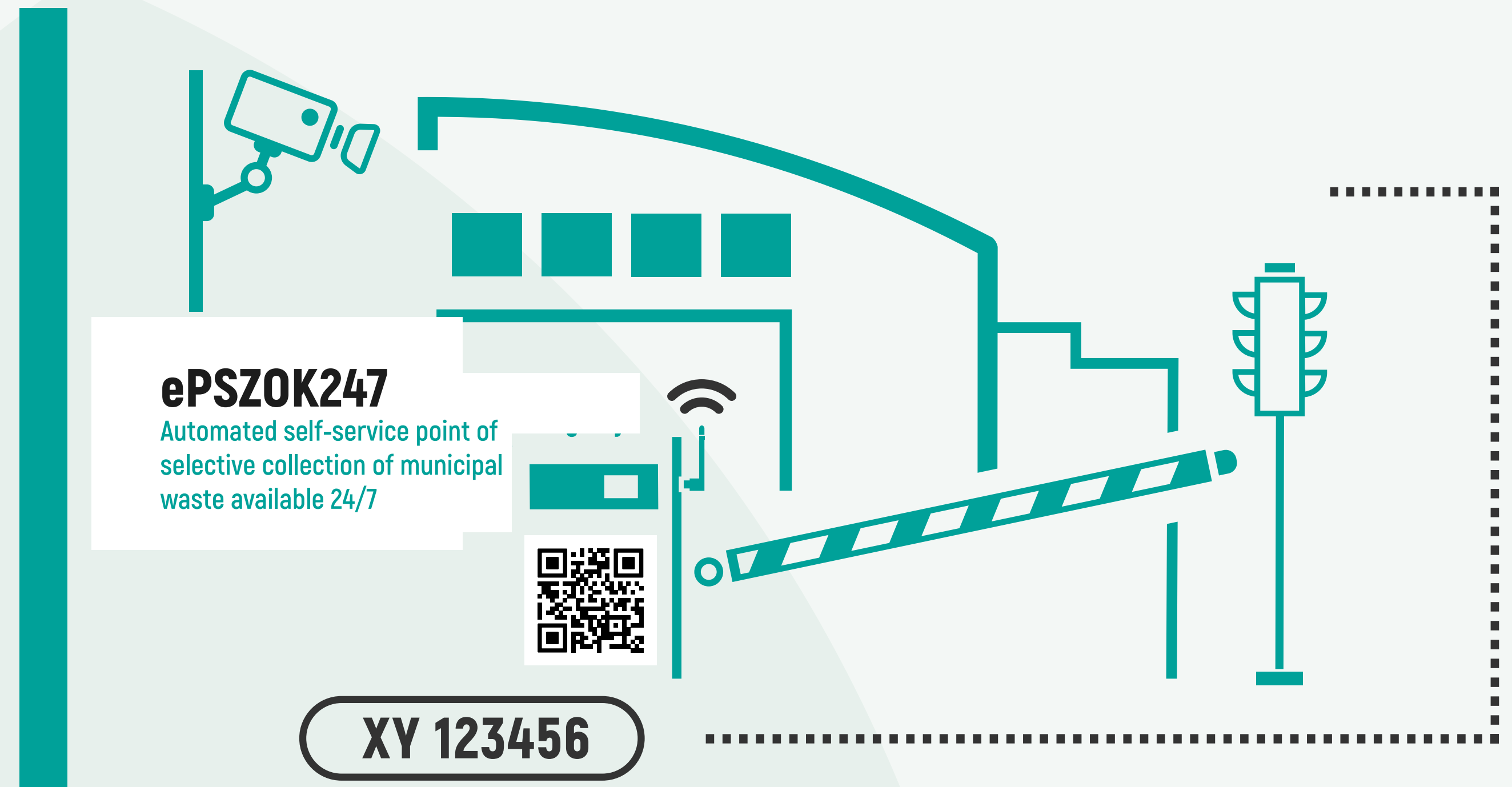
**CCTV monitoring system.**





# ePSZOK247 – SELF-SERVICE AND 24/7 AVAILABILITY

**ePSZOK247** is a modern concept of Points of Selective Collection of Municipal Waste. It consists in introducing automation of the processes taking place in the facility, simplifying them and reducing the time of residents' stay to the necessary minimum. Thanks to the introduced amenities, the whole of the facility or only its part is self-service and open 24 hours a day, thus recognized by residents as useful and gladly visited place. Computed registration of thrown-away waste contributes to the optimization of reporting processes, and at the same time tightening the waste database in the commune. The solution is dedicated to new investments and can also be implemented in existing PSZOK facilities.



# miniPSZOK247 – ALWAYS ON YOUR WAY

The self-service and 24/7 **miniPSZOK247** is a modern system of ELMO modules for the collection of problematic waste. It works 365 days a year, 7 days a week, 24 hours a day. It can be installed anywhere in the city, e.g. near housing estates or shopping centres.

The solution helps eliminate illegal landfilling and tossing wastes. Thanks to miniPSZOK247, residents gain an additional point for waste collection, which should go to the traditional PSZOK.

## COMPREHENSIVE MANAGEMENT OF PROBLEMATIC WASTE COLLECTION

The computerization of the Points of Selective Collection of Municipal Waste facilitates the collection of more problematic waste.





# Smart Parking Solutions

**Orient Engineering & Trading LTD** is a Malaysian company established to carry out professional services to its customers in the field of vertical transportation engineering.

Specializing in supplying the all the types of Automatic Parking Systems.

The Company is supported by a strong management team comprising people with relevant technical experience:

- Experience in All Auto Parking System work in collaboration with Korean & Chinese brands.
- Experience in managing international mega projects.
- Superior maintenance and aftersale services.



# BTP-PJS Simple Parking System (Two Post Type)

**The BTP- PJS Simple Partking System (Two Post Type)  
has the advantages of:**

- Flexible to variable places, Saving land.
- The Core of the device lays inside with good stability performance
- Multiple mechanical and electric safety structure design, high security.
- Transmission parts and wiring are located inside the equipment, no exposed components, high safety performance.
- The noise of the equipment operation is low.
- Not affected by the climate, flexible to various conditions.
- Easy to install, beautiful appearence.
- Suitable for residential and commercial parking purposes, Especially for limited small spaces.





# BTP-PJS Simple Parking System (Four Post Type)

**The BTP- PJS Simple Partking System (Four Post Type) has the advantages of:**

- Flexible to variable places, Saving land.
- The Core of the device lays inside with good stability performance
- Multiple mechanical and electric safety structure design, high security.
- Transmission parts and wiring are located inside the equipment, no exposed components, high safety performance.
- The noise of the equipment operation is low.
- Not affected by the climate, flexible to various conditions.
- Easy to install, beautiful appearance.
- Suitable for residential and commercial parking purposes, Especially for limited small spaces.





## BTP-PJS Simple Parking System (Car Elevation Type)

**The BTP- PJS Simple Partking System (Car Elevation Type) has the advantages of:**

- Hydraulic transmission with high precision, Mechanical drive with strong structure, Double chain drive, Stable running, Easy operation & Maintenance.
- Adjustable screw to secure platform flat, Pump station with large capacity, Fast running and low noise.
- Suitable for car shops and repair workshops, also applicable for goods lifting and car parking.





## BTP-PJS Simple Parking System (Stacking Type)





# BTP-PJS Simple Parking System (Pit Type)

## Working Principle:

This parking system can be designed with 2, 3 or 4 levels. Each vertical row is an independent unit, Vehicles can be parked or retrieved from the top level directly.

## The BTP- PJS Simple Partking System (Pit Type) has the advantages of:

- Taking full use of underground space, saving ground space , increasing parking spaces; Decending by its own weight, saving energy.
- Faster and stable running, Lower noise, Computer Fault Diagnosis system and PLC logic loop, Fast maintenance and easy fault removal.
- Higher safety, equipped with a series of safety protection devices, including Anti-Falling frame, Anti-Collision device, Anti Overload device...etc.





## BTP-PSH Puzzle Parking System (2-15 Levels)

### Working Principle:

This parking system is designed with multi-levels & rows. Each designed with an empty space for exchanging.

### The BTP- PJS Simple Partking System (Pit Type) has the advantages of:

- Can be built up to 15 levels high with multiple rows.
- Faster and stable running, Lower noise, Computer Fault Diagnosis system and PLC logic loop, Fast maintenance and easy fault removal.
- Higher safety, equipped with a series of safety protection devices, including Anti-Falling frame, Anti-Collision device, Anti Overload device...etc.





## BTP-PSH Puzzle Parking System (-1+2 Levels)

### Working Principle:

This parking system is designed with three levels. One level underground and the other 2 above ground. with only one exchanging space in the middle level.

### The BTP- PJS Simple Partking System (Pit Type) has the advantages of:

- Taking full use of underground space, saving ground space , increasing parking spaces; Decending by its own weight, saving energy.
- Faster and stable running, Lower noise, Computer Fault Diagnosis system and PLC logic loop, Fast maintenance and easy fault removal.
- Higher safety, equipped with a series of safety protection devices, including Anti-Falling frame, Anti-Collision device, Anti Overload device...etc.





# BTP-PCS Vertical Rotary Parking System

## Working Principle:

The system consists of one automated mechanical system, which rotates at an angle perpendicular to the ground.

## The BTP- PCS Vertical Rotary Parking System has the advantages of:

- Adopting The Rubik's cube technique, saving land.
- small land coverage, flexible equipment, high space utilization ratio
- Low cost of fire control, external package and Civil Engineering base
- Brief structure, package available, good-looking appearance.

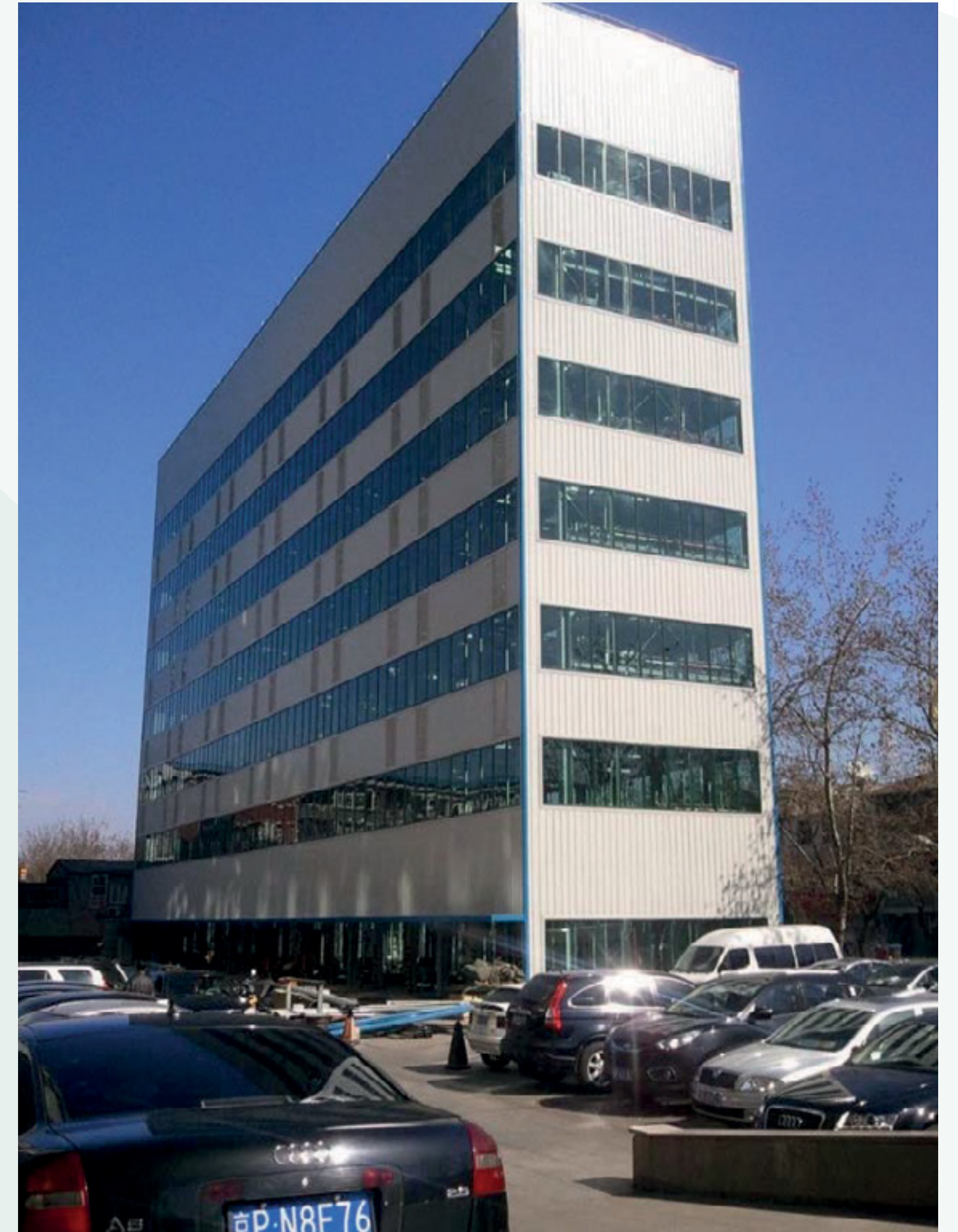




## BTP-PCS Vertical Lifting/ Tower Parking System (10-35 Levels)

**The BTP- PCS Vertical Lifting Parking System has the advantages of:**

- Can be used with hydraulic drive or traction motor drive. The lifting speed of tractic motor drive can reach to 120m/min while the hydraulic drive lifting speed reaches only 60m/min.
- Equipped with a series of safety protection devices.
- Can be operated manually or using a Swipe Card.
- Customisable parking capacity.
- The equipment is processed by galvanizing and high-grade Anti-Corrosion painting.





# BTP-PPY Horizontal Shifting Parking System

**The BTP- PPY Horizontal Shifting Parking System has the advantages of:**

- High accuracy control, High speed silent running, Large compact design, High intergation with surrounding buildings.
- Adaptable to various system integration, maximum to meet customer demand.
- High safety, High automation degree, high efficiency of car parking and retrieving, high ratio of space use.





## BTP-PXD Stacking Parking System

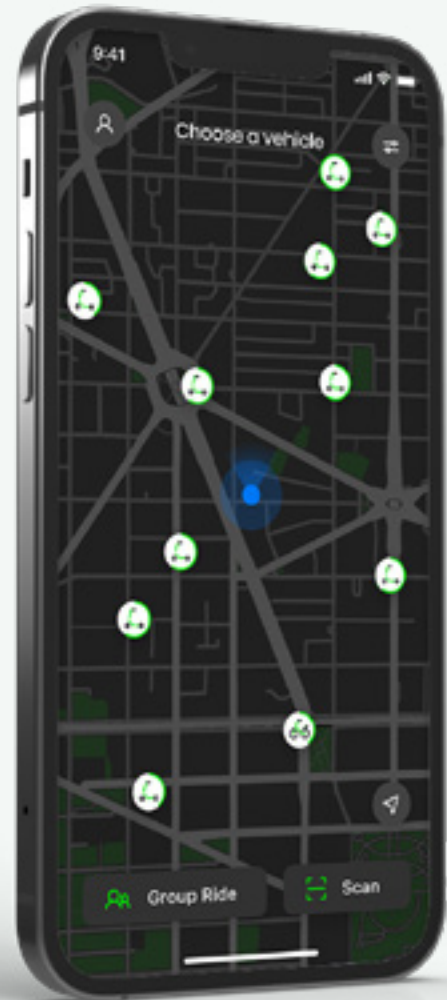
**The BTP- PXD Stacking Parking System has the advantages of:**

- High automation degree, high parking efficiency, saving space, flexible design, various structures, simple operation and easy control.
- Enclosed design, maintaining high safety for car parking and retrieveing.





# GO<sup>2</sup>



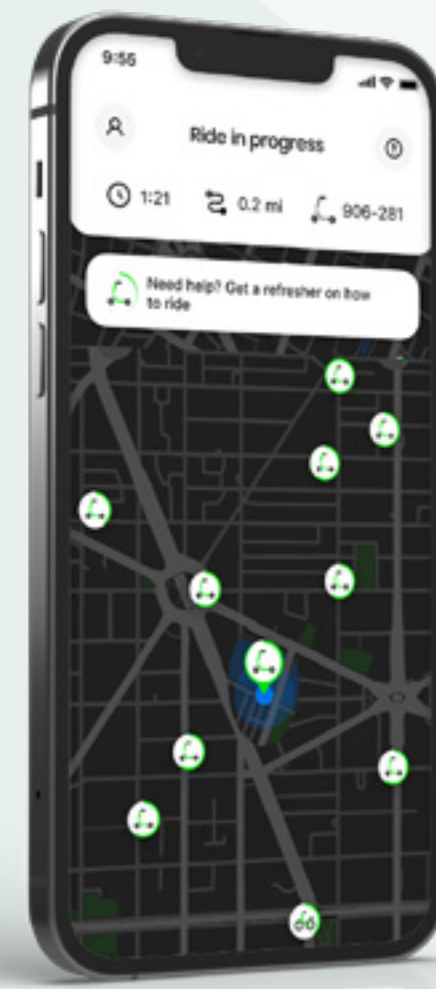
## Find the nearest vehicle

Once you download the application and allow it to know the user's site All suggestions for nearby vehicles will be displayed.



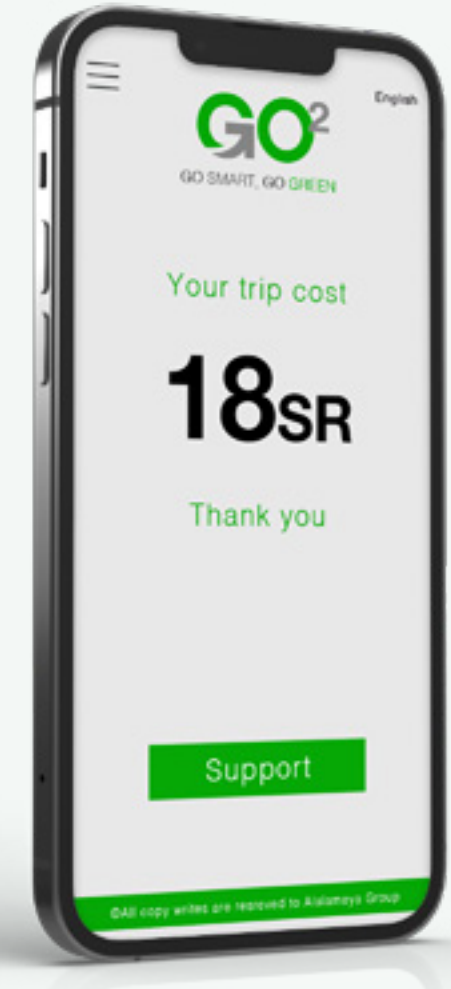
## Scan Code

When scanning the code above the steering wheel, it is done directly Activate the vehicle and start the trip.



## Take off

Driving instructions must be viewed in the app before setting off.  
It is also necessary to follow the traffic rules and keep moving in the lanesBicycles, by the side of the road and in the by-streets and wearing a helmet  
Respecting the rights of others



## End Your Trip

Immediately upon reaching the destination, the vehicle must be parked in the nearest position designated or on the side of the sidewalk so as not to impede the movement of others.  
Then finish the trip on the application and take picture the vehicle in its position current



# Finally we would like to thank those who trusted us



& much more ..



# THANK YOU