

PARCEL LOCKER FOR DIY

READY TO USE CLICK &
COLLECT ECOSYSTEM
FOR DIY STORES

MODERN EXPO



The DIY retail market is predicted to get a revenue of \$1200 billion within 2022–2030, growing from \$848 billion in 2021, at CAGR of 4%



Online DIY sales are anticipated to witness faster market growth during the forecast period and generate a revenue of \$148 billion by 2030, growing from \$89 billion in 2021, with a CAGR of 5%

The most effective way to receive your online-orders is the use Click & Collect model

Click & collect means to order goods online and pick up at the store or near the store 24/7

Therefore, customers do not have to pay for delivery, wait a long time until your things are delivered, and dealing with home delivery issues



One of the options to implement **Click & Collect** is a complex parcel lockers ecosystem for DIY stores

Let's check it based on our project with **CASTORAMA**

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Twoja paczka!
castomat[®]

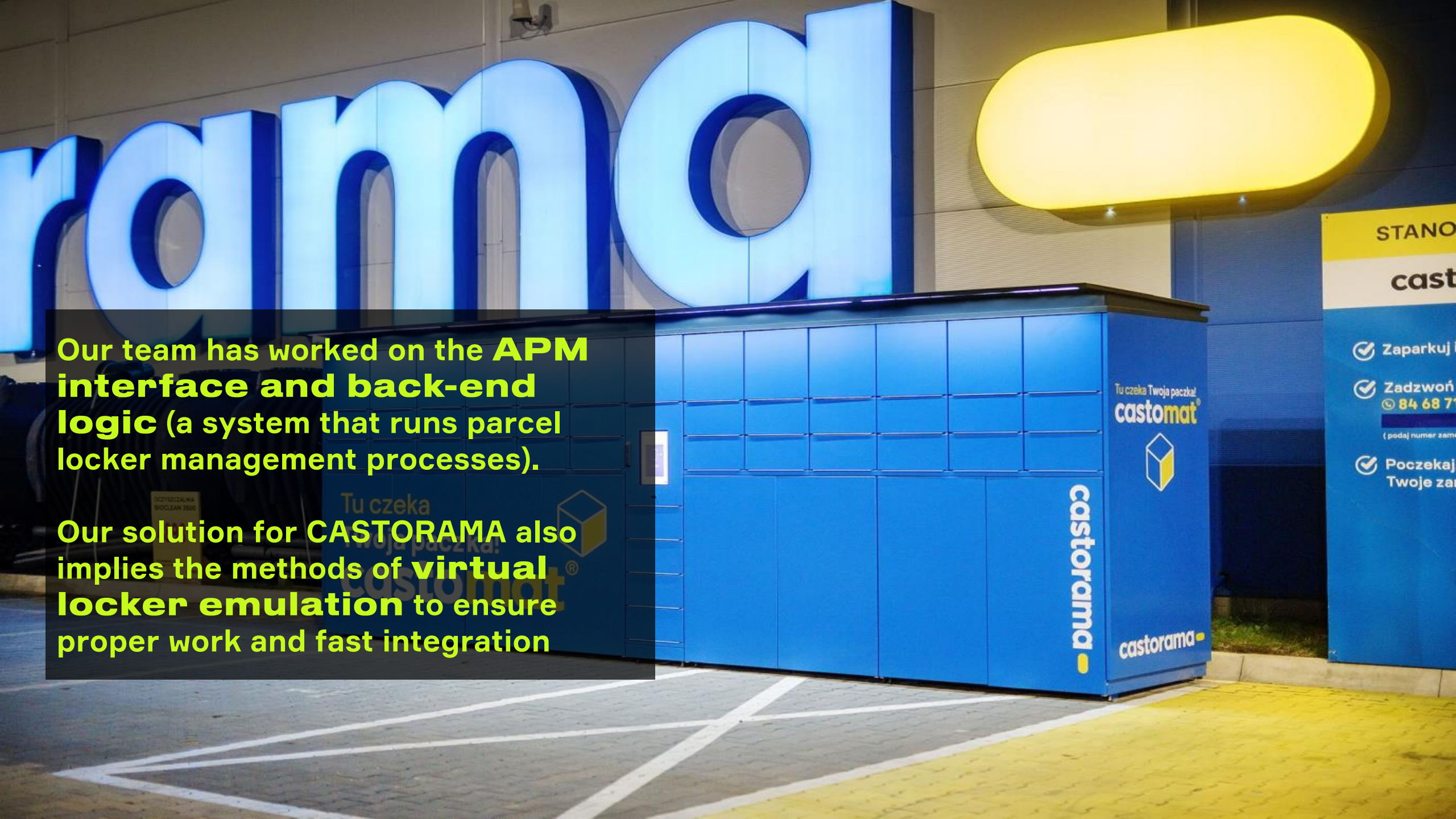


CASTORAMA is the largest chain of 84 DIY stores in Poland. It's a part of Kingfisher group which has already opened 1300 stores in 8 countries



CASTORAMA is working on a solution that supports and facilitates online shopping. They deployed the chain of 94 parcel lockers (CastoMat) to provide a 24/7 pick-up service

A large chain of CastoMats requires efficient software and reliable hardware



Our team has worked on the **APM interface and back-end logic** (a system that runs parcel locker management processes).

Our solution for **CASTORAMA** also implies the methods of **virtual locker emulation** to ensure proper work and fast integration

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Tu czeka
Twoja paczka!
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We've developed **special oversized cells which can fit a trolley** - must-have solution for DIY retail

castorama

castorama

A white dome-shaped CCTV camera is mounted on a black metal structure, likely a roof or a high-rise building. The camera is positioned in the upper right quadrant of the frame. The background is a clear blue sky with some blurred architectural elements in the lower part of the image. A dark grey rectangular box is overlaid on the left side of the image, containing text in a bright yellow-green color.

CCTV surveillance cameras
help your parcels to be secure 24/7

RESULTS:

- **24/7 project support**
- Our solution works for the chain of **94 CastoMats** in **84 stores** in Poland
- **58 000+** parcels delivered for the first 8 months, with monthly growth 10%





FEATURES

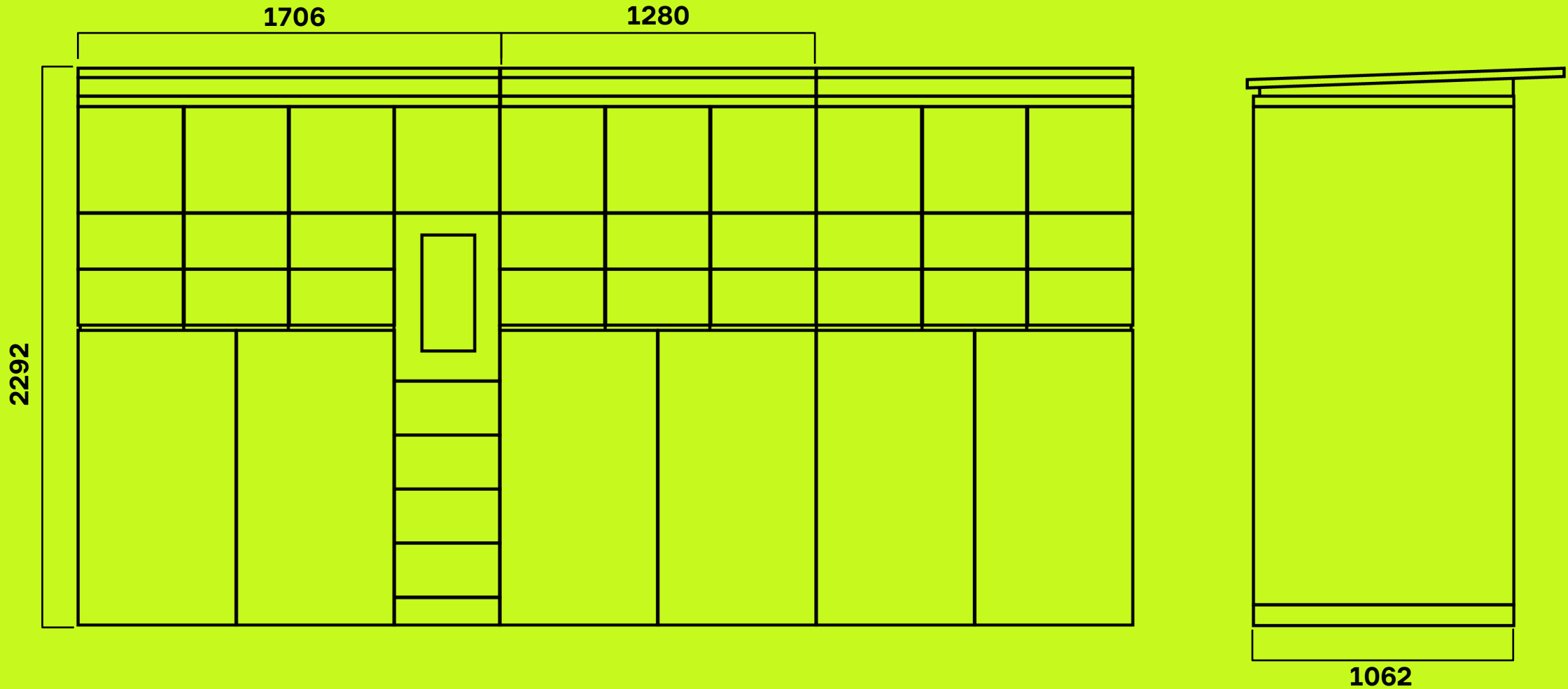
- **Ready to use solution for Click & Collect**
- **Screen-operated**
- **Modular design**
Easy to add columns from both sides
- **Special compartments for oversized items**
with special protection for trolleys
- **CCTV surveillance cameras**
- **Automotive approach**
Reliable design
LEAN production
Quick and easy maintenance
- **Open SDK**

CREATE YOUR OWN DIY PARCEL LOCKER

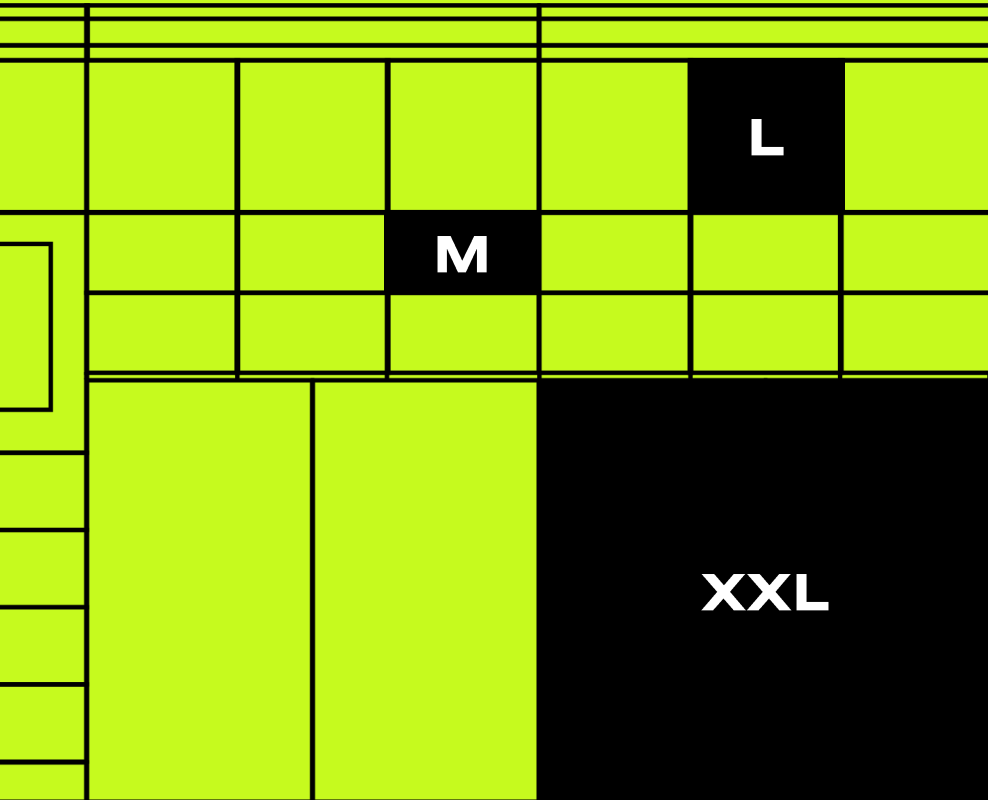
- **Main column — 1 piece for each parcel locker (can operate up to 20 columns)**
- **Column with XXL-cells — quantity according to the request**



DIMENSIONS OF EXISTING COLUMNS



INNER DIMENSIONS OF CELLS

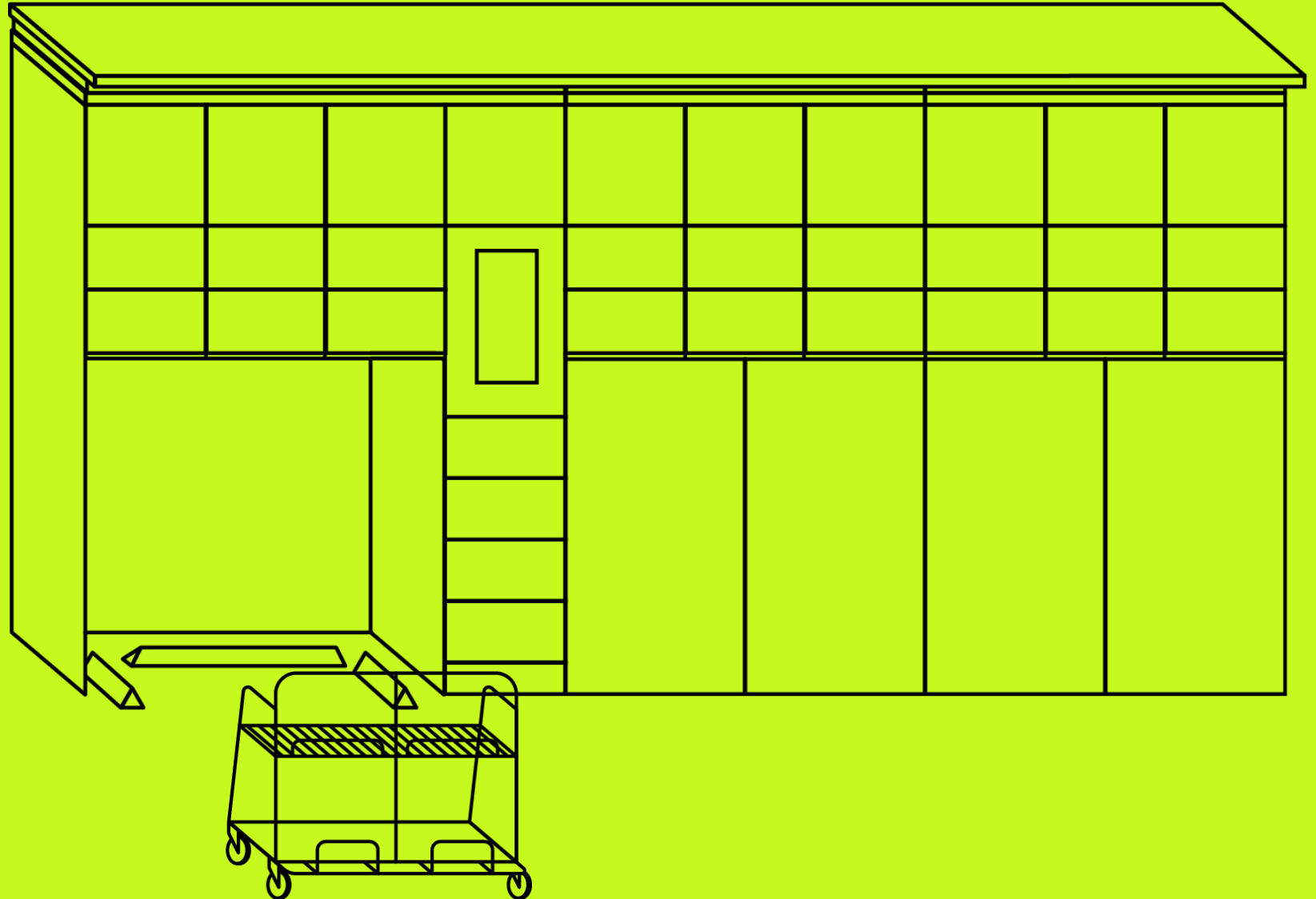


Type of the cell	Height	Width	Depth
M	210 mm	365 mm	1000/ 550* mm
L	430 mm	365 mm	1000/ 550* mm
XXL	1160 mm	1200 mm	1000 mm

***Special metal caps are available as an option in case you want to reduce depth for these compartments**

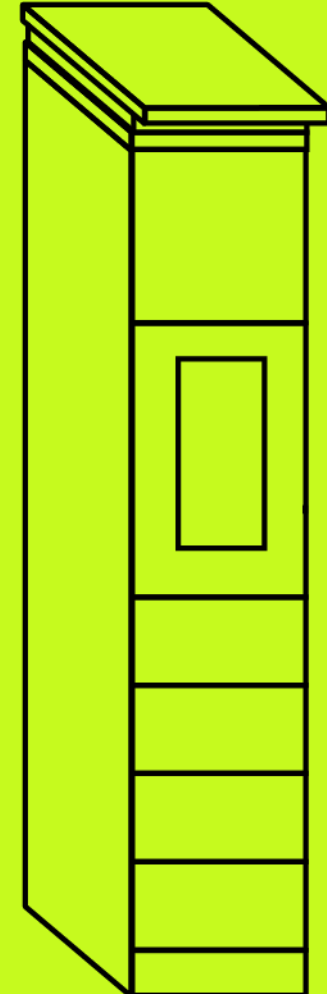
XXL-CELL DESCRIPTION

- **Can fit a trolley**
- **No base**
So it's easy to drive in a trolley
- **Plastic bumpers**
inside the cell
to protect parcel locker
when trolleys are inside



MAIN COLUMN SPECIFICATION

- **Industrial PC**
- **Monitor**
15.6"
- **Scanner**
- **Face Camera**
- **Emergency opening**
Main cell is equipped with intrusion sensor
Columns can be emergency opened without electricity
- **Audiosystem assistant & Alarm**
Can work as alert signal or guidance for blind people
- **Monitoring system (optional)**
2 Security cameras
NVR+HDD4TB,5900rpm,64MB,3.5,SATAIII
- **Wi-fi Router (optional)**
- **UPS (optional)**
Up to 120 min of autonomous work
- **Payment system (optional)**
Based on individual project requirements
- **Receipt printer (optional)**



INTEGRATION OPTIONS



FULL SERVICE PACK

Elastic online store
Convenient dashboard
Locker interface
Courier app
Client app
Service app
Support

1



TAILORED SOLUTION

Backend to backend: parcel lockers management software from Modern Expo integrated with retailer's ERP/CRM
Etc

2

FLEXIBLE SDK

Our SDK is a vendor-independent solution for using various hardware components in APM. We Create the perfect Interaction **between APM Software and Hardware** to speed up and ease the integration process

TECHNICAL SPECIFICATION

Weight of column with XXL-cells

280 kg

Weight of main column

85 kg

Power supply

220V

Operating temperature

-25 to +35 °C

Location

Outdoor

Indoor

Warranty

12 months

IP protection class

IP 33 for postal cells

IP 54 for main cell

Standard color

RAL 9003

RAL 9005

Software

Open API

Service app

Client app

Picker app

Elastic online store

BENEFITS FROM WORKING WITH MODERN EXPO

- **Dedicated solution for DIY retail**
- **Special oversized compartment**
- **Complex ecosystem from one hands**
- **Modularity of hardware and software**
- **Thoroughly documented API description - clear and easy to understand**
- **Possibility to customize and add new functionality to the software**
- **Technical support**

ABOUT US

MODERN EXPO

Today we have become a platform bringing together leading professionals into powerful teams of **R&D, IT, retail design, engineering**, etc., working in synergy to create the perfect retail of the future by Modern Expo.

 **MINT**

[IT]

 **SQUARES**

[DESIGN]

 **ENGINEERING**

[MACHINERY]

WE CREATE
RETAIL NEW

MODERN EXPO has been a top company in creation of modern retail for more than 20 years.



We are convinced that modern retail is a phenomenon encompassing a multilevel system of obtaining goods with the ultimate consumer. Today, it's not just the physical store space, but also the solutions for E-commerce, warehouses, logistics and integrated supply chain. Therefore, one of the leading directions of our work is developing products and services for the last mile, with a focus on parcel lockers solutions.



**Modern Expo is 9 high-tech
PRODUCTION UNITS specializing
in different types of equipment. Our
manufacture is one of the most powerful in the
world, we provide mass replication in roll-outs
and ensure meeting each of our products with
European safety and quality standards (EN and
FEM).**

MODERN GEOGRAPHY

A map of Europe and the Middle East with city names marked. The cities shown are London, Paris, Berlin, Warsaw, Lublin, Lutsk, Kyiv, and Dubai. The map is a simple outline showing country borders.

We supply our
products to more
than **75** countries

MODERN NUMBERS

2200 employees

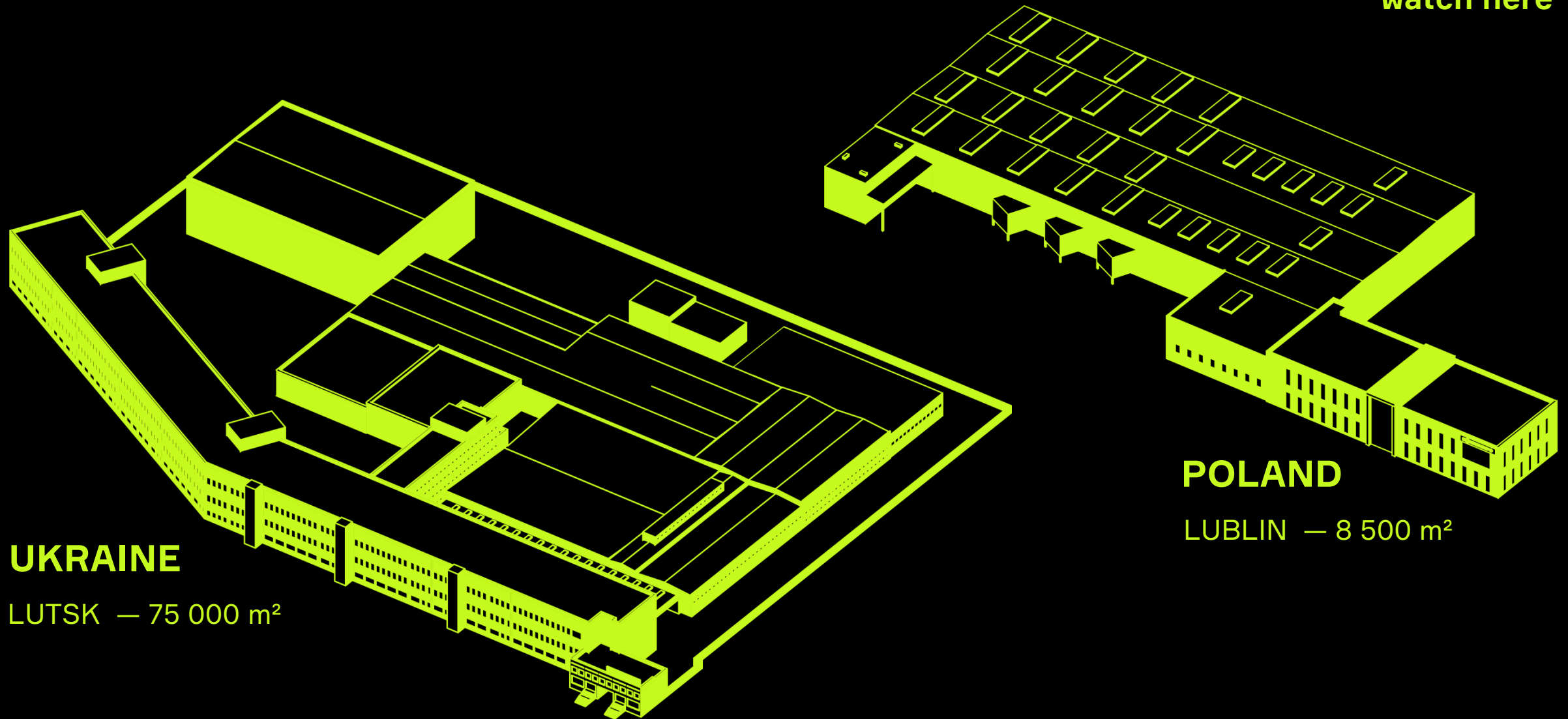
83 500 m² production facilities

100+ dealers

MODERN WORLDS



watch here



UKRAINE

LUTSK — 75 000 m²

POLAND

LUBLIN — 8 500 m²

MODERN CLIENTS

castorama



Carrefour

allegro

WAITROSE



Intermarché

zabka



SAMEDAY
yourway.

SPAR



profi
zlinic preturi mici

ATB

coop

أسواق التميمي
tamimi markets

صيدليات الدواء
al dawaa pharmacies
رعاية بلا حدود | Unlimited Care

REWE



CONAD

نستو
NESTO
All that you need.

DOLLAR\$TORE
Mighty fine prices Every Day

araz

E.Leclerc

MIX
Mart

ROSSMANN

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