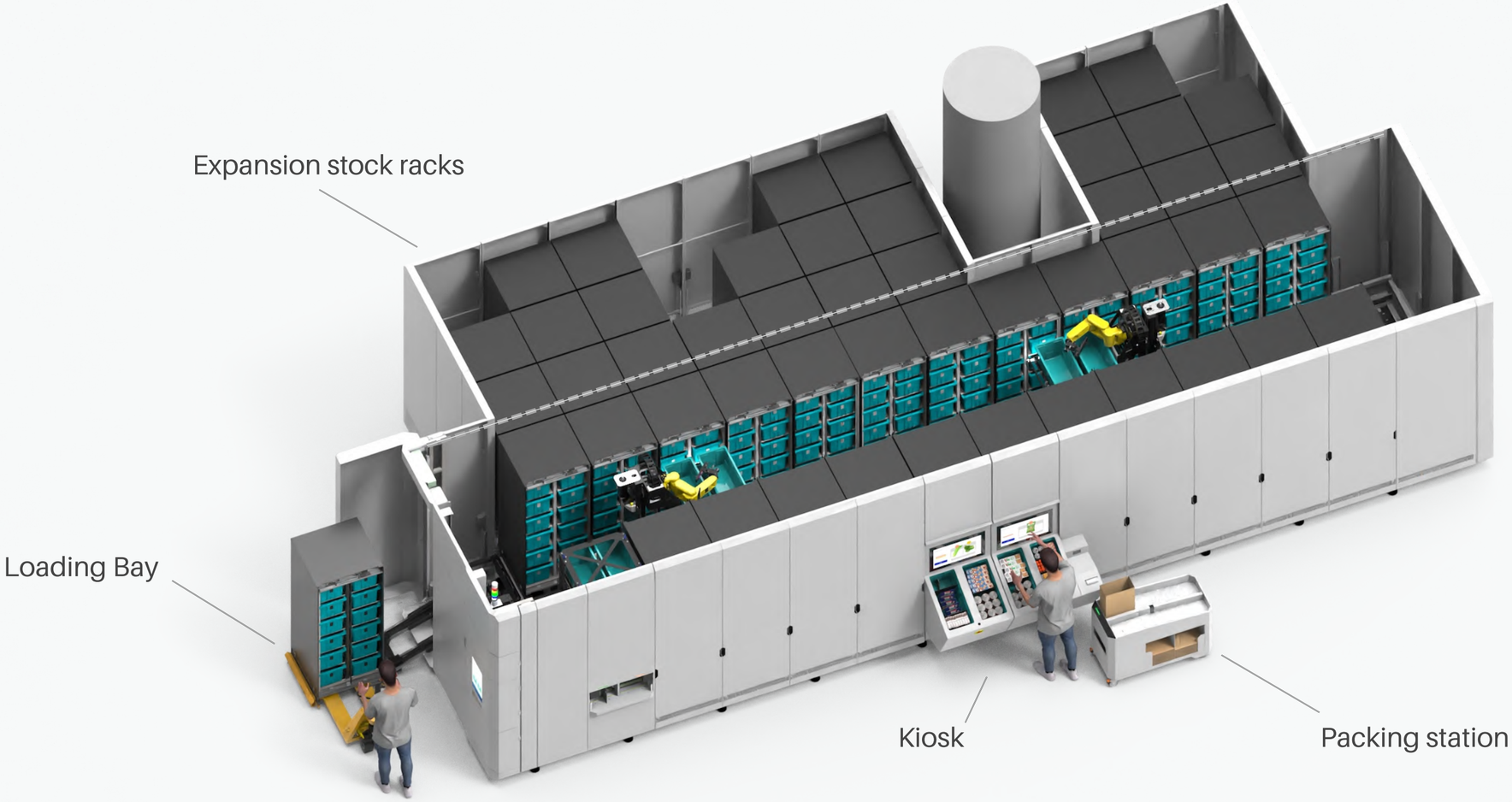
IIIROBOTICS
for
Grocery Retail
getir
NESPRESSO
ABInBev
iStore

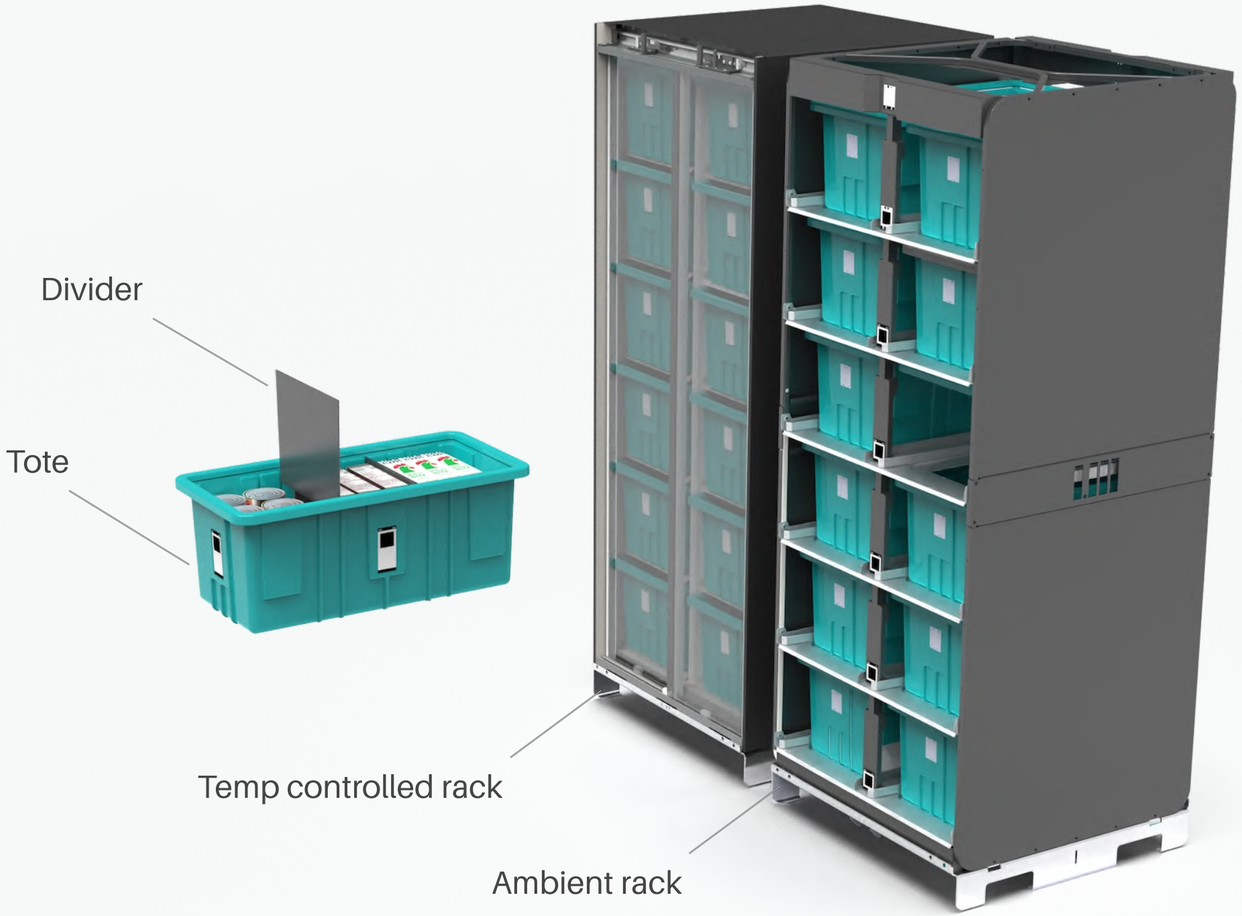
A mini ASRS module, designed from the ground up for grocery retail.

Off-the-shelf solution

It fits in a standard shipping container, assembled in our facilities and shipped globally.



System overview



Storage overview

Tote specs: 650mm x 325mm x 255mm - 35L capacity.

Totes can be divided into up to 6 cells using dividers.

A single rack holds 12 totes.

DTC delivery flow video

BACK-ROOM AUTOMATION

REGIONAL DC AUTOMATION (FRACTIONAL AUTOMATION)

UNMANNED AUTONOMOUS STORE

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DARK STORE AUTOMATION

The 1MRobotics difference

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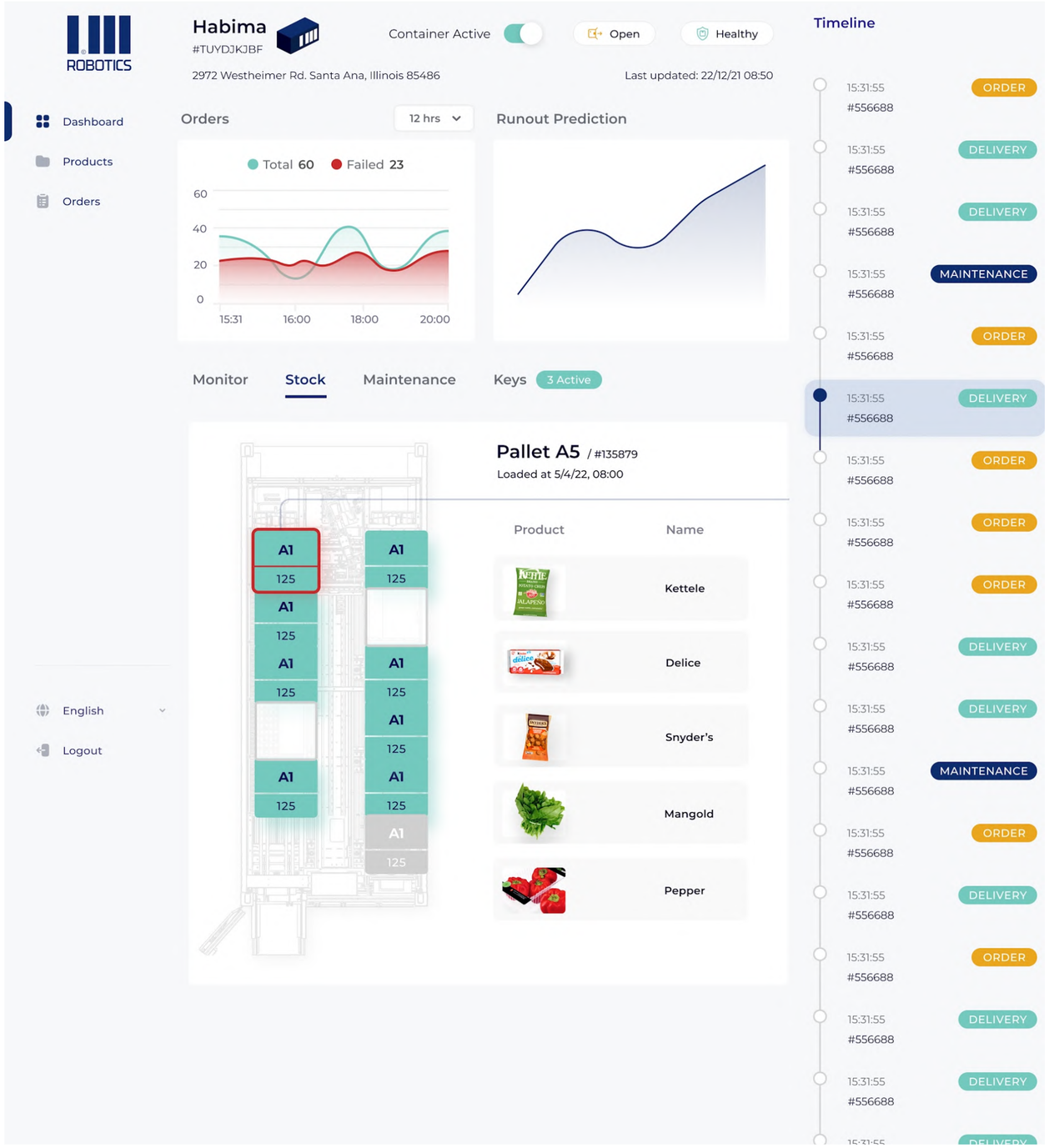

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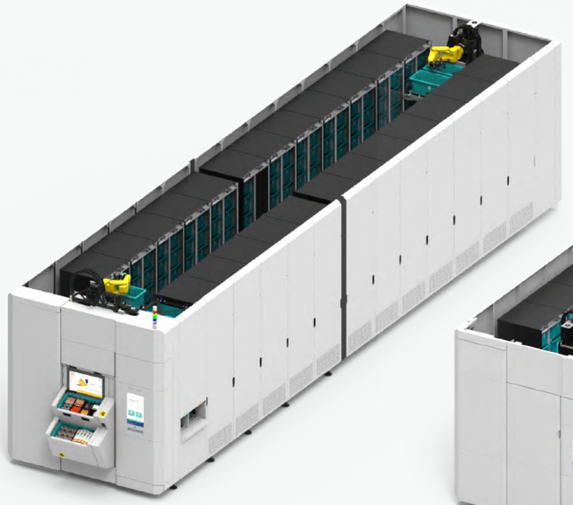
- Transported to any location in a standard shipping container

20ft module

~172 sq. ft.

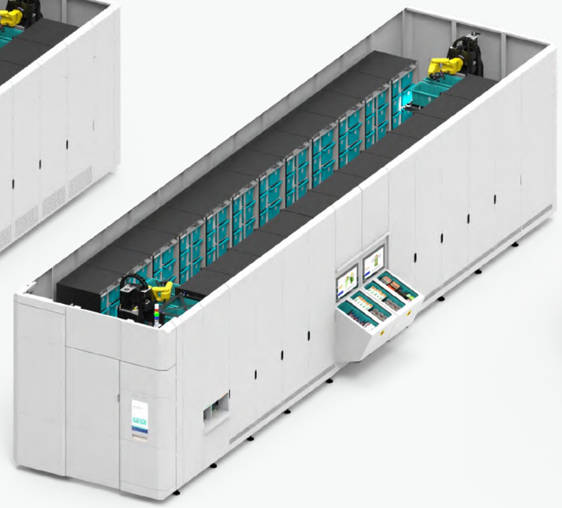
(**132 totes / ~500 SKUs**))



40ft module

~345 sq. ft.

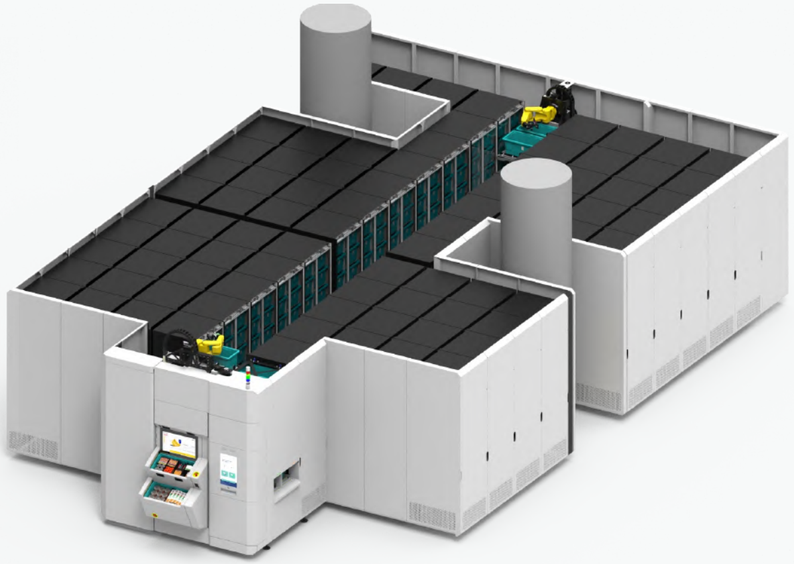
(**276 totes / ~1,000 SKUs**)



Side kiosk 40ft module

~345 sq. ft.

(**268 totes / ~1,000 SKUs**)



Expanded 40ft module

~805 sq. ft.

(**1104 totes / ~4,400 SKUs**)

A **modular size** that fits into any existing space.

Quick, easy and safe replenishment

Can be done by anyone with minimal training.

Loaded in minutes.

Quick, easy and safe replenishment

Inserting full rack into machine through built-in loading bay.

Requires only ~2 minute pause in order fulfillment process.

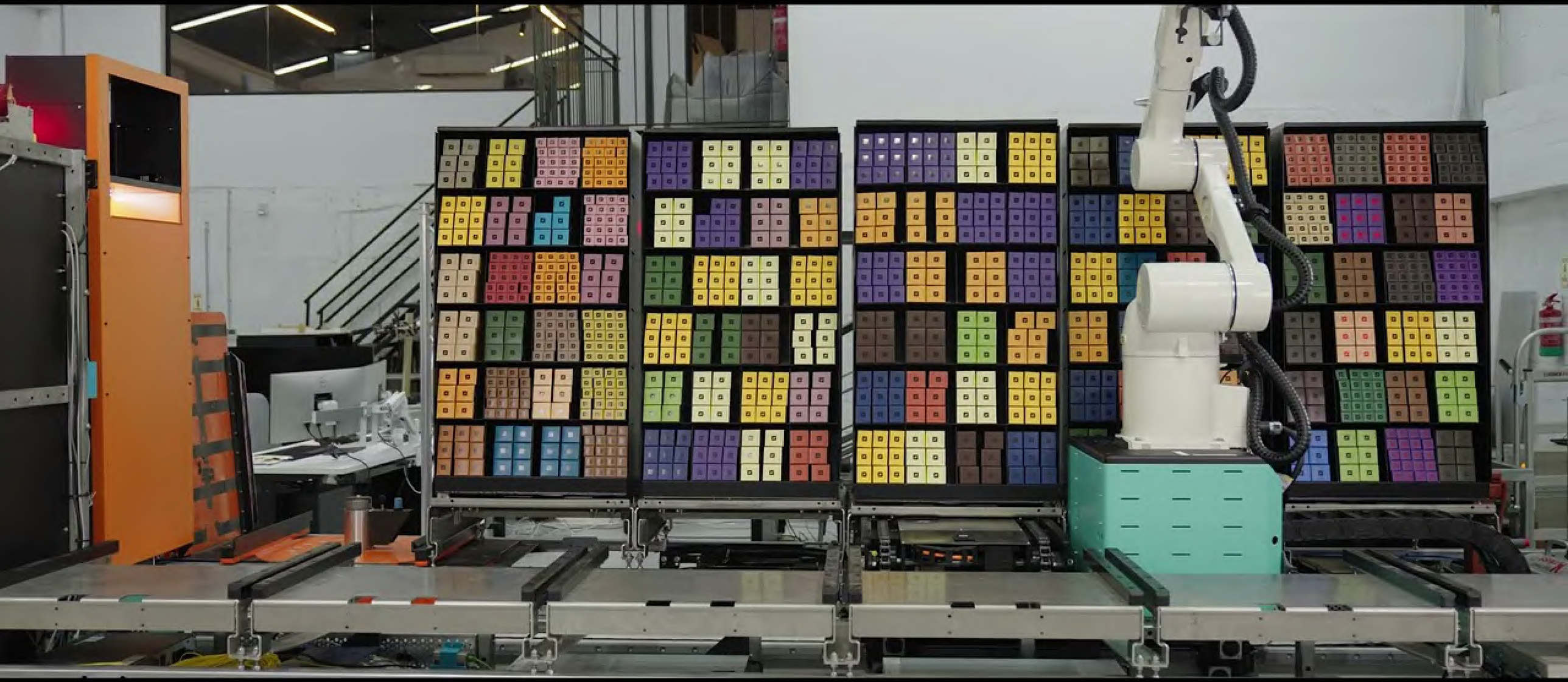
Quick, easy and safe replenishment

Efficiently replenish specific SKUs on-the-go by inserting loaded totes through side-mounted feeder, without interrupting order fulfillment process.

Quick, easy and safe replenishment

The system signals if a certain SKU needs replenishment, brings the tote to the picker via the kiosk, and directs him on which items to replenish.

Full rack replenishment flow video



Next-gen automation for future-facing retail

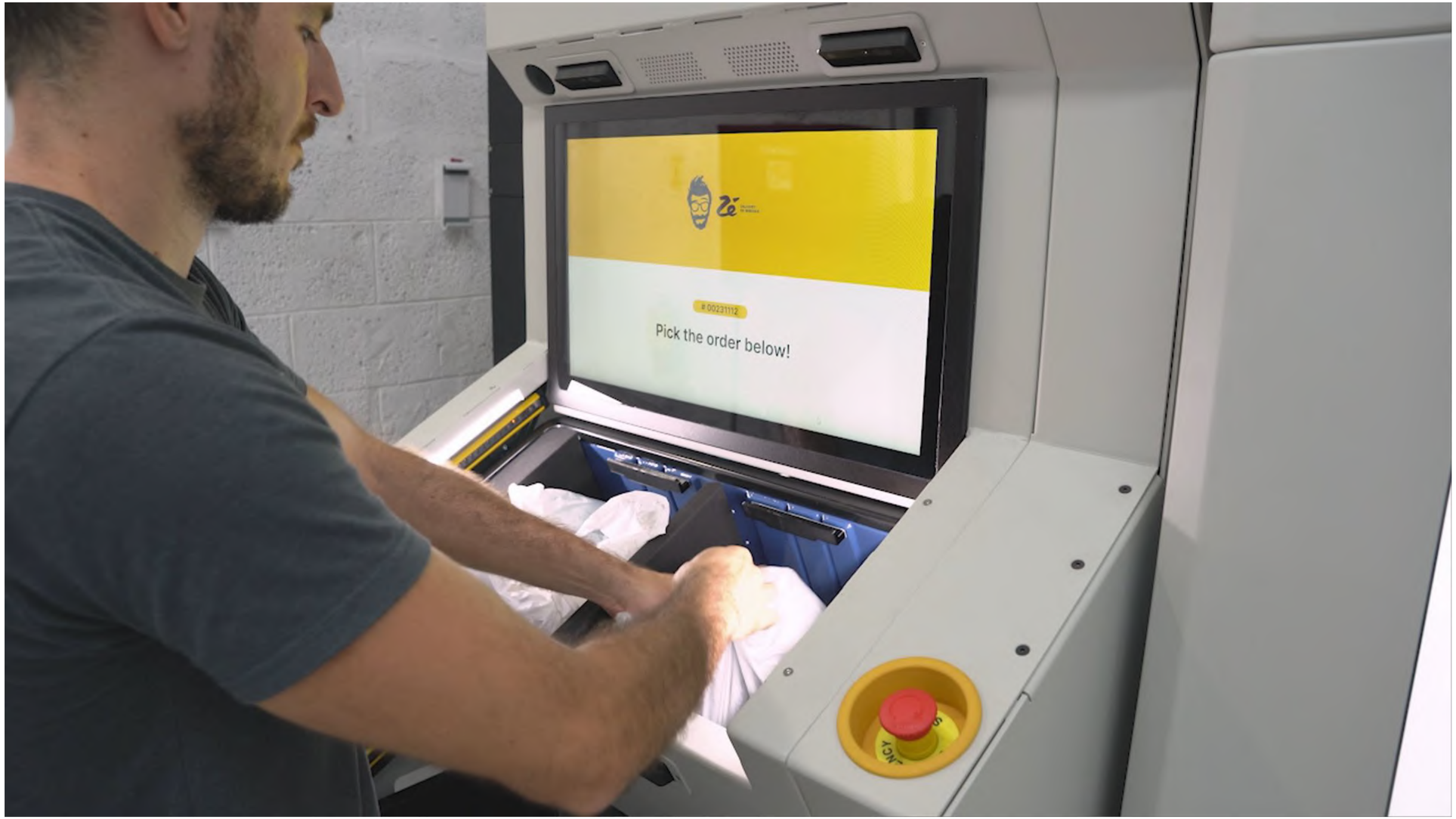
Fully autonomous fulfillment solution for omnichannel, based on the 1MRobotics ASRS, upgraded with state-of-the-art AI-powered automation.

Our system performs picking and packing, so that the customer collects a packed, good-to-go order.

How it works behind the scenes

1. The robot places a tote with open bags from the bag dispenser in the system.
2. The robot brings a tote with the requested products to the packing station.
3. The system recognizes and picks the required item.
4. A tote with ready bags goes to the kiosk.

User experience



Thank you

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