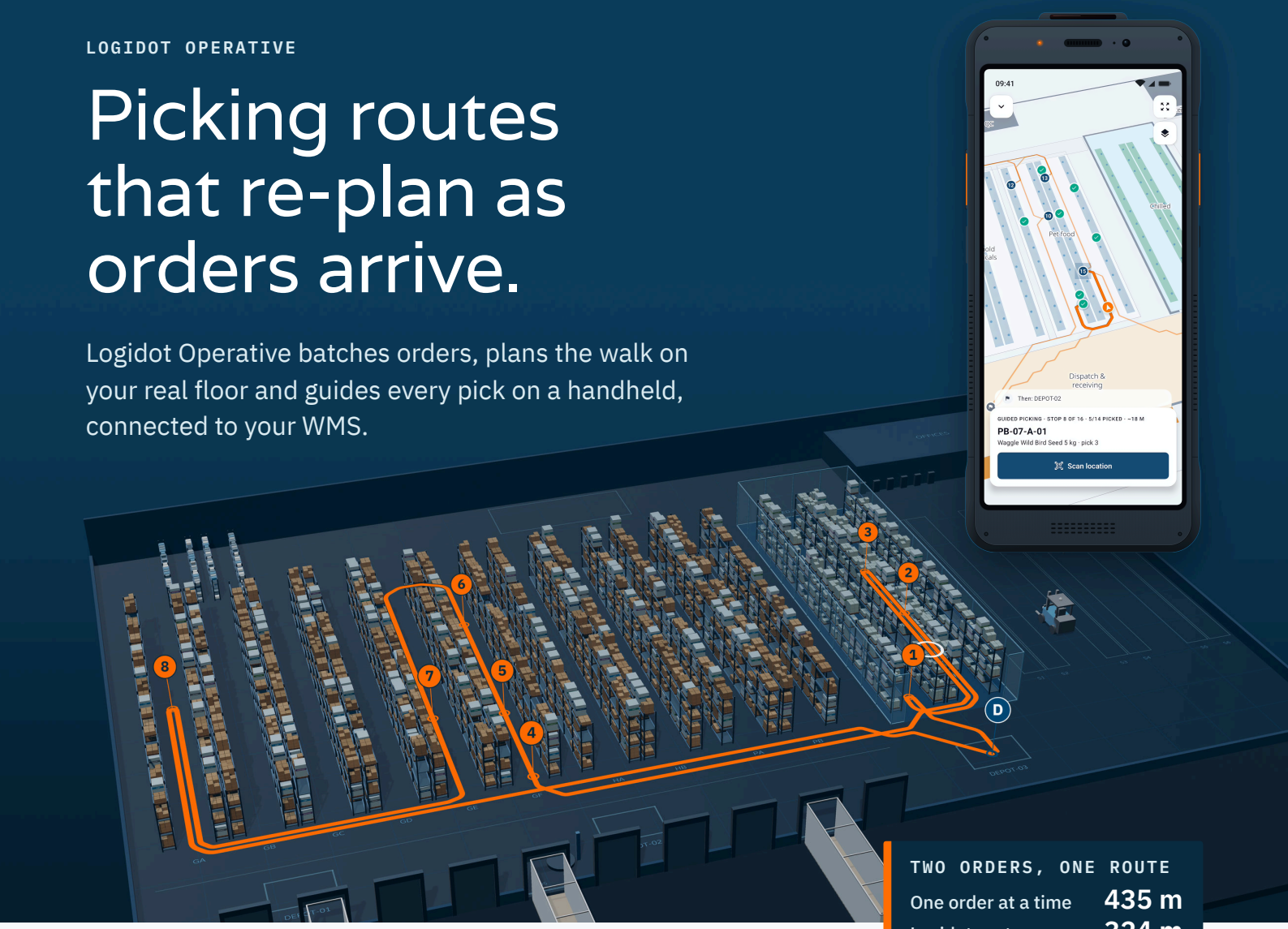
Logidot

In the app: guided picking, stop by stop

LOGIDOT OPERATIVE

Picking routes that re-plan as orders arrive.

Logidot Operative batches orders, plans the walk on your real floor and guides every pick on a handheld, connected to your WMS.



TWO ORDERS, ONE ROUTE

One order at a time	435 m
Logidot route	324 m

Simulated on a reference DC

THE PROBLEM

Pick lists usually reach the floor one order at a time, sorted by bin code, so pickers walk the same aisles again for every order.

Travel is typically about half of a picker's time, so fewer, shorter trips are where time is won. And orders keep arriving while the picker is already out on the floor.

About half

of a picker's time is travel

Source: Tompkins et al. (2003), Facilities Planning

25%

less walking with smart batches and routes than one order at a time in bin order

Simulated on a reference DC

Built on joint research with the University of Bath

With 20-line batches, same baseline: **42%**

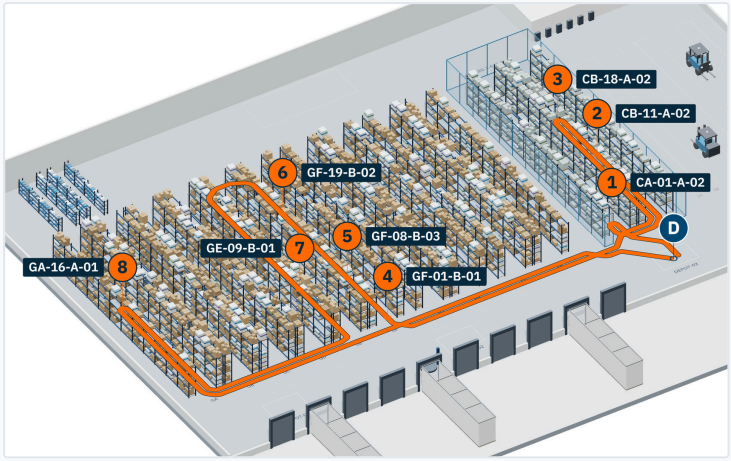
25% less walking. Northgate, a modelled reference DC (100 x 62 m, 3,596 bins, generated orders). Results will differ on real sites. Smart batches (10-line cap) and planned routes compared with one order per trip in bin order, over 341 orders and 1,924 lines. Each batch sized to a roll cage (300 kg, 900 L). Walking distance only. Sites that already batch will see less.

20-line batches. Same comparison with a 20-line batch cap: 42%.

About half. Tompkins et al. (2003), Facilities Planning, 3rd ed., Wiley. Typical split of an order picker's time: travel 50%.

HOW IT WORKS

1. **Orders arrive** from your WMS, or by API or CSV.
2. **Plan.** Orders are grouped into batches that fit the trolley or cage. Each batch becomes one route on your real floor plan.
3. **Guide.** The handheld shows one stop at a time. Location, item and quantity are scanned and checked, and lot and expiry are captured.
4. **Adapt.** New orders join a moving route when the detour is within your limit. Full loads go to the depot. Pick confirmations go back to your WMS.



Two orders, eight stops, one route.

Simulated on a reference DC

WHAT YOU GAIN

Shorter walks on your real floor.
Routes follow your aisles, not straight lines.

Smart batches.
Hundreds of orders grouped in seconds, within weight and volume limits.

Right first time.
Guided scans, GS1 lot and expiry, exceptions reported in a few taps.

Live re-planning.
New orders join routes already on the move.

Trips that fit.
Capacity per trolley or cage, with planned depot drops.

Works with your WMS.
Orders come in, pick confirmations go back.

ALSO IN THE APP

Tasks and procedures, assets and breakdowns, live map, shifts, scoreboard. Works offline. English and Arabic.

CONNECTS TO

Oracle WMS Cloud · SAP · Odoo · Open API
New connectors built on demand.

HOW WE MEASURE IT

Walking distance per line and lines per hour, compared with your WMS's own pick sequence. The pilot baseline is your own operation, so results will differ from the benchmark.

Pairs with Logidot tracking: Spaghetti Maps show the before and after.

NEXT STEP

See your pick routes re-plan live.

Book a free demo logidot.com

Logidot **Track. Analyse. Optimise.**
Built on joint research with the University of Bath

Scan to book a free demo

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