Warehouse Routing Optimisation

A pilot across three distribution centres

Why Re-Route

- Picker walking distance had grown 18% over two years
- Existing routing was static, set once at warehouse layout time
- A dynamic router could adapt to daily order mix

Two Routing Strategies

Static	Fixed picking zones, set at layout time
Dynamic	Recomputed each morning from order mix

Distance Walked Per Shift

Centre	Static (km)	Dynamic (km)
Site A	11.2	8.4
Site B	13.6	9.1
Site C	9.8	7.6

What We Recommend

1. Roll dynamic routing out to all three centres
2. Re-tune the daily recompute window to run before shift start
3. Track picker fatigue alongside distance, not just distance alone

Thank you