

Automating Collection Operations at Scale

Why Labour-Dependent Systems Break — And What Replaces Them

Contents

Placeholder for table of contents

0

Executive Slide Summary

Slide	Purpose	Key Message
1. Why Collection Staffing Costs Spiral at Scale	Executive problem statement	Collection operations become expensive and inefficient at scale.
2. Why Staffing Costs Increase at Scale	Operational root causes	Manual labour creates fixed throughput limits.
3. Hidden Cost Multipliers	Financial & operational impact	Costs, queues, and operational complexity escalate.
4. Labour-Dependent Systems Don't Scale	Strategic solution & future-state	Automation removes labour bottlenecks and enables scalable collection.

1. Why Collection Staffing Costs Spiral at Scale

Executive problem statement

WHY COLLECTION STAFFING COSTS SPIRAL AT SCALE (AND WHY LABOUR BECOMES THE BOTTLENECK)



Collection operations seem simple.
Staff hand over items. Customers collect them.

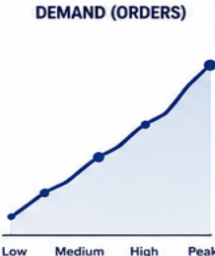
But at scale, this model breaks.
Costs rise. Efficiency drops. Queues grow.

The more demand increases, the more labour you need — and the more expensive each transaction becomes.


And that's the core problem.
Collection systems are **labour-dependent, not scalable.**

THE COSTS SPIRAL AS DEMAND GROWS


DEMAND (ORDERS)








STAFF REQUIRED




COST PER TRANSACTION




WHAT HAPPENS AT SCALE?

-  More orders need more staff
-  Queues get longer and customers wait
-  Labour costs increase disproportionately
-  Efficiency drops under pressure
-  Customer experience suffers

 **MORE DEMAND ≠ BETTER EFFICIENCY**

Because every transaction still requires human time — and humans don't scale like systems do.

 **The result: runaway labour costs and a constantly moving bottleneck.**

WHAT ARE COLLECTION STAFFING COSTS?

Collection staffing costs include all labour required to:


LOCATE ITEMS
Find and confirm the right item.


VERIFY ORDERS OR OWNERSHIP
Check order details or ID.


RETRIEVE ITEMS
Pick, move and prepare items for collection.


HAND OVER ITEMS
Deliver items and complete the handoff.


MANAGE QUEUES & INTERACTIONS
Guide customers, answer questions, resolve issues.

ALL OF THIS TAKES PEOPLE. ALL OF THIS COSTS MONEY.

THIS APPLIES ACROSS MANY COLLECTION ENVIRONMENTS


CLICK & COLLECT RETAIL
Customers collect online orders from stores.


PARCEL COLLECTION POINTS
Customers collect parcels from lockers or counters.


EVENT MERCHANDISE PICKUP
High-volume collections at events and venues.


WORKPLACE & OFFICE STORAGE
Shared items, equipment or mail collections.


TRANSPORT HUBS
Collections at stations, airports and terminals.

 **LABOUR IS YOUR MOST EXPENSIVE RESOURCE.**


Higher demand

→


More staff needed

→


Higher total labour costs

→


Slower service & longer queues

→


Lower satisfaction & lower loyalty

→


Higher cost per transaction

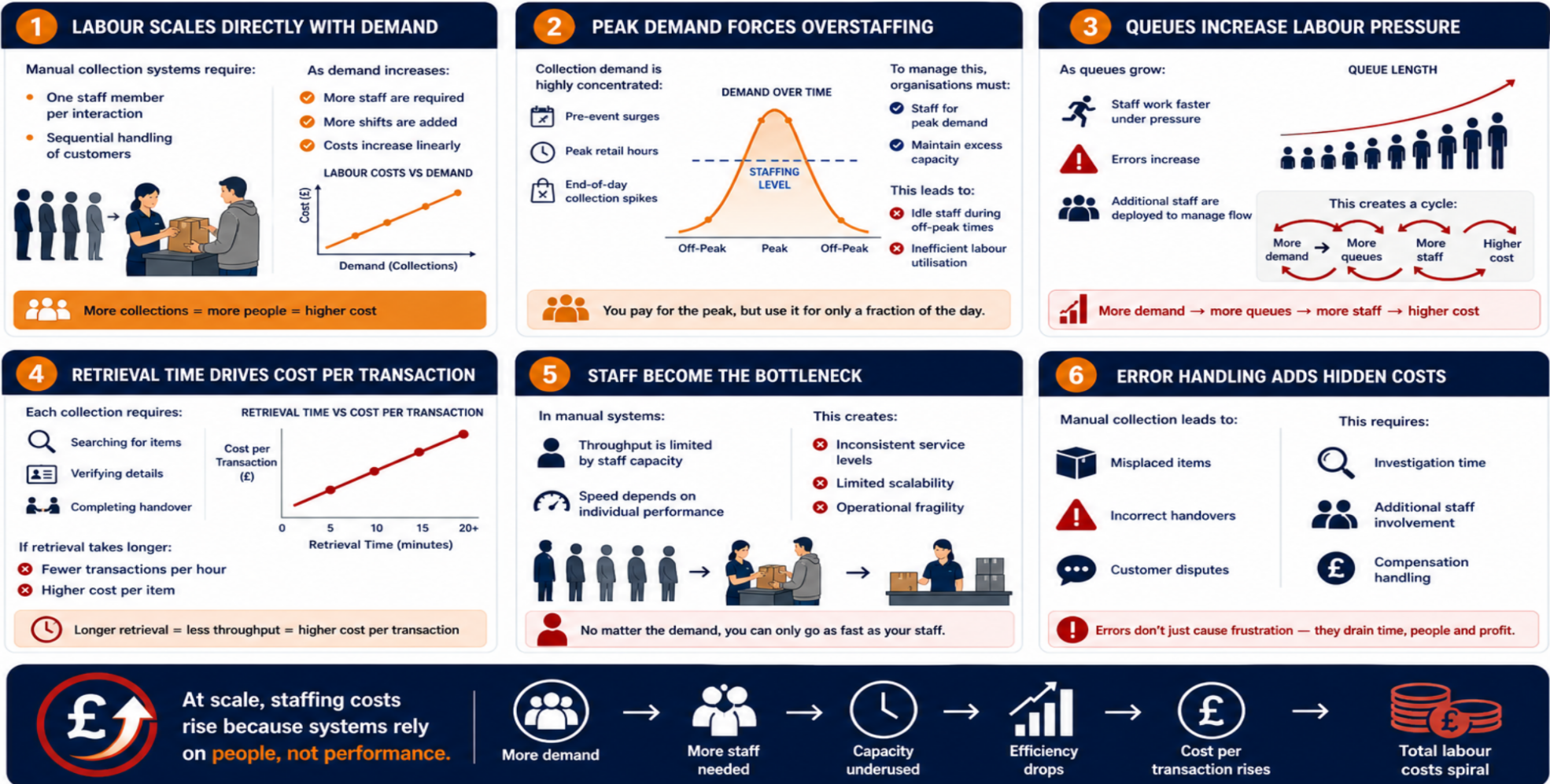
 **TO BREAK THE CYCLE, YOU NEED SYSTEMS THAT SCALE — NOT JUST MORE STAFF.**

2. Why Staffing Costs Increase at Scale

Operational root causes

WHY STAFFING COSTS INCREASE AT SCALE

⚠️ Collection systems are **labour-dependent**, not scalable.



3. Hidden Cost Multipliers

Financial & operational impact

THE CORE PROBLEM: LABOUR-DEPENDENT SYSTEMS DON'T SCALE

Collection systems are built on labour, not scale. The more demand grows, the more it costs.

HOW TRADITIONAL COLLECTION WORKS

- Built on sequential processing**
One customer at a time
- Built on human interaction**
Every transaction needs staff
- Fixed capacity per staff member**
There is a limit to how fast one person can work

THE RESULT AT SCALE

- COSTS RISE**
More demand = more staff = higher labour cost
- QUEUES GROW**
Customers wait longer, especially at peak
- STAFF PRESSURE INCREASES**
More errors, turnover and management overhead
- THROUGHPUT HITS A CEILING**
Labour capacity caps growth and service levels

Labour-dependent systems cannot scale without uncontrolled cost increases.

AT SCALE:

Labour becomes both the biggest cost and the biggest constraint.

THE SCALABLE ALTERNATIVE: AUTOMATED SELF-SERVICE COLLECTION

TO CONTROL COSTS, COLLECTION MUST MOVE FROM:

- STAFF-LED → SYSTEM-LED
- SEQUENTIAL → PARALLEL
- LABOUR-DEPENDENT → AUTOMATED

SMART LOCKER COLLECTION SYSTEMS TRANSFORM THE COST MODEL ENTIRELY.

- ELIMINATE STAFF FROM THE TRANSACTION**
 - No handover required
 - No queue management
- ENABLE PARALLEL COLLECTION**
 - Multiple users collect simultaneously
 - No throughput bottleneck
- REDUCE COST PER TRANSACTION**
 - More volume handled without more staff
 - Lower operational cost
- IMPROVE EFFICIENCY AT PEAK DEMAND**
 - No need to overstaff
 - System scales automatically
- PROVIDE FULL TRACKING AND CONTROL**
 - Automated audit trail
 - Reduced error and loss

24/7 AVAILABILITY
More convenient for customers

BETTER CUSTOMER EXPERIENCE
Fast, simple, no queues

GREATER SUSTAINABILITY
Fewer visits, lower operational impact

STRONGER SECURITY
Controlled access, no unauthorised handovers

REAL FINANCIAL IMPACT

WITH AUTOMATED COLLECTION SYSTEMS:

- Labour costs reduce significantly
- Cost per collection decreases
- Throughput increases
- Staffing requirements stabilise
- ROI becomes predictable

See: </solutions/parcel-lockers/>

Compare: </manual-security-handling-vs-automated-storage-systems/>

Calculate ROI: </roi-calculator/>

THE BOTTOM LINE

Collection staffing costs don't rise because of poor management. **They rise because:**

THE SYSTEM DEPENDS ON LABOUR TO SCALE.

At scale:

- Costs increase
- Efficiency decreases
- Complexity grows

The solution is not to reduce staff. It's to remove labour from the transaction entirely.

COMPARISON AT SCALE

MANUAL VS AUTOMATED COLLECTION

MANUAL (LABOUR-DEPENDENT)	AUTOMATED (SYSTEM-LED)
One customer at a time	Many customers at a time
Longer wait times and queues	Minimal wait, instant access
High and rising labour costs	Lower, predictable operational costs
Requires more staff as demand grows	Scales without adding staff
More errors, disputes, refunds	Fewer errors, higher accuracy
Throughput hits a ceiling	Throughput keeps growing

AUTOMATE COLLECTION. REMOVE THE BOTTLENECK. CONTROL COSTS. SCALE WITH CONFIDENCE.

4. The Core Problem: Labour-Dependent Systems Don't Scale

Strategic solution & future-state

WHY COLLECTION STAFFING COSTS SPIRAL AT SCALE (AND WHY LABOUR BECOMES THE BOTTLENECK)

THE HIDDEN COST MULTIPLIERS



1. COST PER COLLECTION INCREASES

At scale:

- Staff efficiency drops
- Processing time increases
- Cost per transaction rises



More volume. Higher time.
Higher cost per collection.



2. MANAGEMENT OVERHEAD EXPANDS

As teams grow:

- More supervisors are needed
- More coordination is required
- More complexity is introduced



More people to manage.
More layers. More cost.



3. TIME BECOMES A COST DRIVER

Delays in:

- Retrieval
- Verification
- Queue handling

...translate directly into labour cost.



Every minute wasted adds to your labour bill.



4. REVENUE OPPORTUNITY LOSS

Staff tied up in collection cannot:

- Support sales
- Improve customer experience
- Drive additional revenue



Labour focused on collection is revenue not generated.

WHY TRADITIONAL COST REDUCTION STRATEGIES FAIL



1. HIRE MORE STAFF

- Directly increases cost
- Does not improve efficiency



More people = higher spend.
Same processes.



2. IMPROVE TRAINING

- Marginal gains
- Does not reduce labour dependency



Better trained staff still follow the same manual steps.



3. OPTIMISE PROCESSES

- Small improvements
- Does not change cost structure



You can streamline steps, but cannot escape labour dependency.



4. EXPAND COLLECTION AREAS

- Increases space cost
- Does not improve throughput



More space may reduce crowding, but not the need for more staff.



These strategies treat symptoms, not causes.

At scale, only system-level change breaks the cost spiral.