

WHY PARCEL ROOM OVERFLOW

BREAKS BUILDINGS AT SCALE

(AND WHY STORAGE COLLAPSES UNDER VOLUME)



PARCEL ROOM

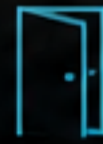
Parcel rooms were designed for occasional deliveries.

Today, they face constant, high-volume demand.

AS DELIVERY VOLUMES INCREASE:



Rooms fill



Space runs out



Organisation breaks down



Operational chaos

And what starts as overflow quickly becomes operational chaos.



BECAUSE:
PARCEL ROOMS ARE STATIC SPACES TRYING TO HANDLE DYNAMIC, EXPONENTIAL DEMAND.



WHAT IS PARCEL ROOM OVERFLOW?

Parcel room overflow occurs when delivery volume exceeds a building's ability to:



Store parcels



Organise items



Maintain access and control



Retrieve items efficiently

THIS TYPICALLY RESULTS IN:



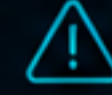
Parcels stored in corridors or reception



Disorganised storage areas



Delays in retrieval



Increased operational pressure

COMMON IN:



Offices and workplaces



Residential developments



Mixed-use buildings



Universities and campuses



PROTECT BUILDING OPERATIONS



IMPROVE RESIDENT & TENANT EXPERIENCE



REDUCE COSTS & MANUAL WORK



SCALE FOR TODAY AND TOMORROW

WHY PARCEL ROOMS OVERFLOW AT SCALE

Parcel rooms were designed for occasional deliveries. Today, they face constant, high-volume demand.



And what starts as overflow quickly becomes **OPERATIONAL CHAOS.**

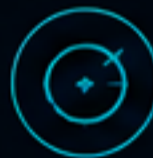
BECAUSE: Parcel rooms are static spaces trying to handle **dynamic, exponential demand.**

1 DELIVERY VOLUME HAS RAPIDLY INCREASED



Modern buildings now experience:

- Daily high-frequency deliveries
- **Multiple** parcels per occupant
- Growth driven by e-commerce



This leads to:

- Hundreds of parcels per day
- Continuous storage pressure



Parcel volume has outgrown the infrastructure designed to handle it.



2 DELIVERIES ARRIVE IN PEAKS



Couriers deliver in batches:

- Morning delivery windows
- Afternoon drop-offs



This creates:

- Sudden surges in parcels
- Immediate capacity overload



Peaks don't fit into fixed capacity. Overload is inevitable.



3 STORAGE SPACE IS FIXED



Parcel rooms have:

- Limited physical space
- Fixed shelving or floor capacity



As volume increases:

- Space fills quickly
- Overflow spreads beyond designated areas



Fixed space cannot grow with growing volume.



4 UNSTRUCTURED STORAGE REDUCES CAPACITY



Most parcel rooms lack:

- Defined storage locations
- Structured organisation
- Efficient layout



This leads to:

- Inefficient use of space
- Parcels stacked or misplaced
- Reduced effective capacity



A full parcel room is rarely an efficient one.



5 SLOW COLLECTION INCREASES BACKLOG



When parcels are not collected quickly:

- Items accumulate
- Storage capacity is reduced
- Overflow worsens



This is common when:

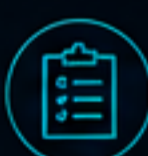
- Recipients are not on-site
- Collection is restricted to certain hours



Slow collections create backlog. Backlog creates overflow.

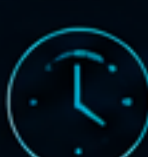


6 MANUAL HANDLING SLOWS TURNOVER



Manual systems require:

- Logging parcels
- Sorting items
- Retrieving on request



This creates:

- Delays in processing
- Reduced turnover
- Growing backlog



Slow turnover means more parcels stay longer. Overflow grows.



PARCEL ROOM OVERFLOW ISN'T JUST AN INCONVENIENCE – IT'S A SYSTEM FAILURE AT SCALE.



MORE VOLUME. MORE COMPLEXITY. **GREATER IMPACT.**

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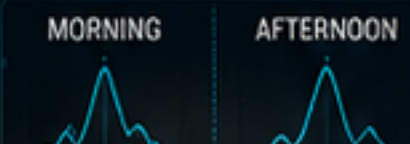
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THE HIDDEN IMPACT OF PARCEL ROOM OVERFLOW



SAFETY RISK

Overflow creates:

- Blocked access routes
- Fire hazards
- Trip risks



OPERATIONAL INEFFICIENCY

Staff spend time:

- Managing overflow
- Searching for parcels
- Organising storage



USER EXPERIENCE BREAKDOWN

Occupants experience:

- Delays in receiving parcels
- Confusion about parcel location
- Frustration with collection



INCREASED OPERATIONAL COST

Overflow requires:

- More staff time
- More management
- Potential expansion of space



SECURITY RISK

Overflow leads to:

- Uncontrolled access
- Increased risk of loss or theft
- Lack of accountability

WHY TRADITIONAL FIXES DON'T WORK



EXPAND PARCEL ROOMS



- Limited by building design
- Expensive and inflexible



ADD MORE SHELVING



- Increases density
- Reduces accessibility



INCREASE STAFF HANDLING



- Raises costs
- Does not improve scalability



ENCOURAGE FASTER COLLECTION



- Difficult to enforce
- Limited impact

PLEASE COLLECT YOUR PARCELS PROMPTLY



OVERFLOW IS INEVITABLE WHEN STATIC SPACES TRY TO HANDLE DYNAMIC DEMAND.



THE SOLUTION IS STRUCTURE, AUTOMATION AND CONTROLLED CAPACITY.

THE HIDDEN IMPACT OF PARCEL ROOM OVERFLOW

What starts as a few extra parcels can create big problems across the building.



SAFETY RISK

Overflow creates:

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COSTS ADD UP



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WHY TRADITIONAL FIXES DON'T WORK



EXPAND PARCEL ROOMS

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Space is finite. Demand isn't.



ADD MORE SHELVING

- Increases density
- Reduces accessibility

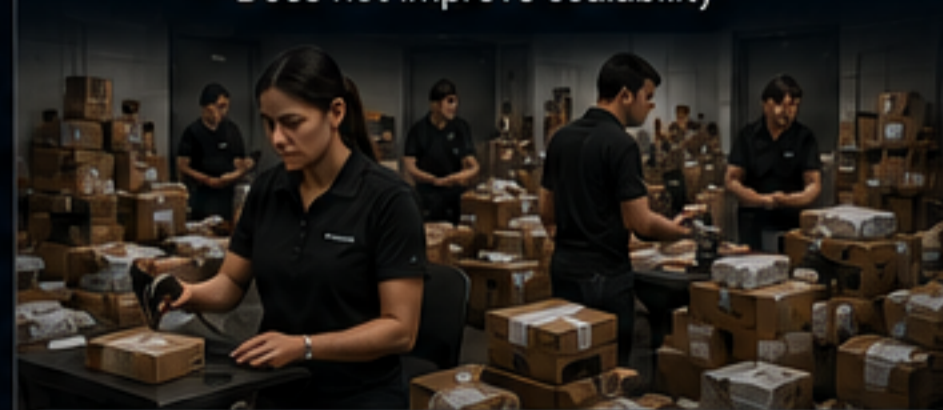


More shelves ≠ more capacity.



INCREASE STAFF HANDLING

- Raises costs
- Does not improve scalability



More people ≠ better solution.



ENCOURAGE FASTER COLLECTION

- Difficult to enforce
- Limited impact



You can't control user behaviour.



PARCEL ROOM OVERFLOW IS NOT INEVITABLE.



IT'S A SYSTEM DESIGN PROBLEM THAT NEEDS A SMARTER SOLUTION.

THE CORE PROBLEM: STATIC SPACE VS DYNAMIC DEMAND

Parcel room overflow happens because:

A fixed storage space cannot adapt to **variable, high-volume demand**.



AT SCALE:



DELIVERIES INCREASE

Demand grows every day.



SPACE REMAINS CONSTANT

Parcel rooms have fixed capacity.



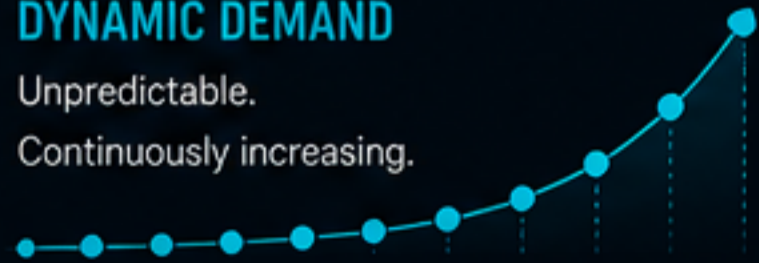
OVERFLOW BECOMES INEVITABLE

Congestion, delays and frustration follow.

THE MISMATCH CREATES INEVITABLE OVERFLOW

DYNAMIC DEMAND

Unpredictable.
Continuously increasing.



VS

STATIC SPACE

Fixed.
Cannot adapt.



THE SCALABLE SOLUTION: STRUCTURED, AUTOMATED PARCEL STORAGE

To eliminate overflow, buildings must move to:



STRUCTURED STORAGE SYSTEMS



AUTOMATED DELIVERY HANDLING



CONTROLLED CAPACITY MANAGEMENT



SMART LOCKER PARCEL SYSTEMS

Smart lockers replace unstructured parcel rooms with controlled, scalable infrastructure.



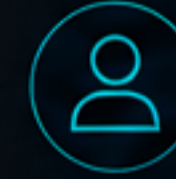
DEFINED STORAGE PER PARCEL

- Each item has a dedicated compartment
- No stacking or overflow



DIRECT COURIER-TO-LOCKER DELIVERY

- No reception or manual handling
- Faster processing



SELF-SERVICE COLLECTION

- Users collect independently
- No queues or delays



FASTER TURNOVER

- Parcels are collected quickly
- Capacity is continuously freed



REAL-TIME VISIBILITY

- Track capacity and usage
- Optimise operations



THE CORE PROBLEM IS SIMPLE:
STATIC SPACE CAN'T HANDLE DYNAMIC GROWTH.



THE SOLUTION IS CLEAR:
SMART LOCKERS CREATE STRUCTURE, CONTROL AND CAPACITY.
BUILT FOR TODAY'S DEMAND. READY FOR TOMORROW.

REAL OPERATIONAL IMPACT

With automated parcel systems:



PARCEL ROOM OVERFLOW IS ELIMINATED

No more piles. No more congestion. Space stays clean, clear, and safe.



STORAGE BECOMES STRUCTURED AND EFFICIENT

Every parcel has a place. No stacking. No searching.



STAFF WORKLOAD DECREASES

Automated handling reduces manual tasks and operational pressure.



USER EXPERIENCE IMPROVES

Fast, convenient, and reliable self-service collection.



SECURITY AND ACCOUNTABILITY INCREASE

Verified access, real-time tracking, and full audit trails.



99% ↓

REDUCTION IN OVERFLOW



3-5x ↑

FASTER COLLECTIONS



40-60% ↓

REDUCTION IN STAFF WORKLOAD



100% ↑

ACCOUNTABILITY AND SECURITY



30-50% ↑

IMPROVEMENT IN OPERATIONAL EFFICIENCY



AUTOMATED PARCEL SYSTEMS TRANSFORM PARCEL CHAOS INTO **OPERATIONAL CONTROL**.

THE BOTTOM LINE

Parcel room overflow is not just a space issue. It is a **system design failure**.

AT SCALE:



DELIVERY VOLUME INCREASES

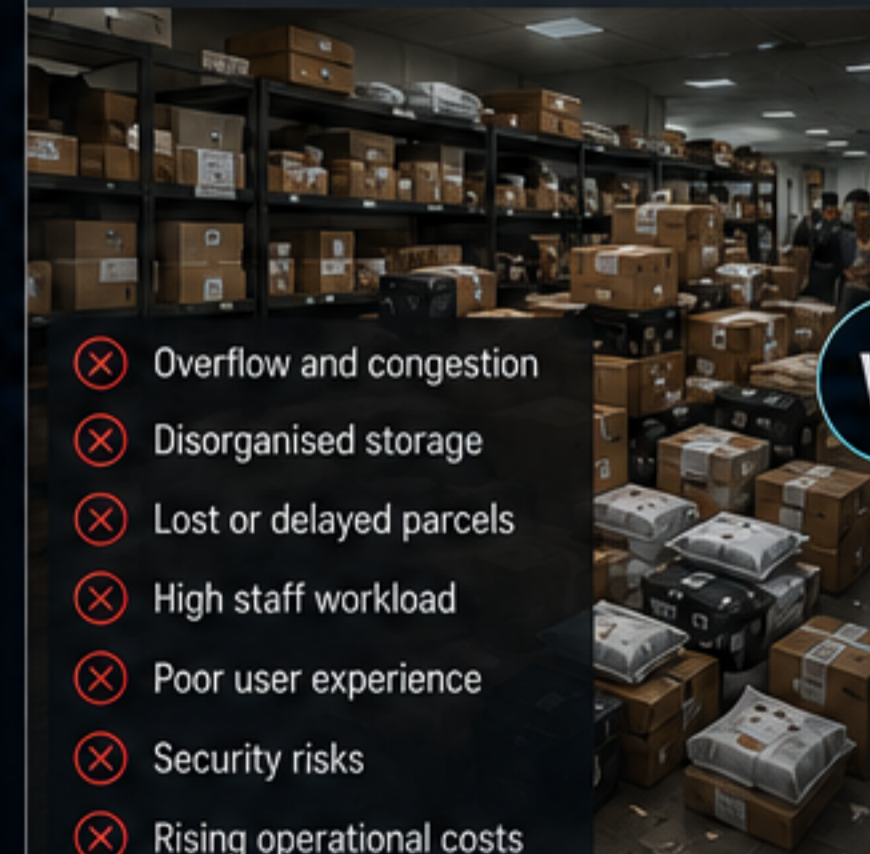


STORAGE SYSTEMS FAIL



OPERATIONS BECOME REACTIVE

THE PROBLEM: REACTIVE OPERATIONS



- ✗ Overflow and congestion
- ✗ Disorganised storage
- ✗ Lost or delayed parcels
- ✗ High staff workload
- ✗ Poor user experience
- ✗ Security risks
- ✗ Rising operational costs

VS

THE SOLUTION: SMARTER OPERATIONS



- ✓ No overflow
- ✓ Structured storage
- ✓ Fast, reliable delivery
- ✓ Lower staff workload
- ✓ Better user experience
- ✓ Enhanced security
- ✓ Lower operational costs



THE SOLUTION IS NOT MORE SPACE. IT'S SMARTER USE OF SPACE THROUGH STRUCTURED, AUTOMATED SYSTEMS.



CONTROL CAPACITY

OPTIMISE OPERATIONS

DELIVER BETTER EXPERIENCES

BUILT FOR TOMORROW