



EMBRACING AUTOMATION IN HEALTHCARE SCRUBS MANAGEMENT

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IMPACT OF NHS SCRUB WASTAGE

FINANCIAL COST

Cost of a
set of scrubs

£12.60

Average Loss on Scrubs
per NHS trust

£193,599

Total Annual Loss
Across England

£48.6 M



ENVIRONMENTAL IMPACT

Carbon Emissions
per Scrub

3.28 kg

Total Estimated Carbon Emissions
from NHS scrub wastage

7,600 tones

SOURCES

<https://cleaningmag.com/news/experts-estimate-the-true-cost-of-the-nhss-laundry-losses>

<https://www.healthcareers.nhs.uk/explore-roles/doctors/pay-doctors>

<https://www.suffolknews.co.uk/ipswich/news/multi-million-pound-gp-surgery-plans-progressed-9302795/>

THE PROBLEMS WE SOLVE

KEY CHALLENGES

BEFORE



AFTER



- **Messy and disorganized storage**
- **Low level of hygiene**
- **Scrubs Shortages**
- **Lost scrubs due to lack of control**
- **Inefficient and expensive manual process**



Case Study

Watford General and St Albans Hospitals

CASE STUDY



**West Hertfordshire
Teaching Hospitals**
NHS Trust

No. EMPLOYEES

550+

KEY PAINS

1. Scrubs losses
2. Scrubs shortages and frustrated staff
3. Inefficient manual process
4. No control on scrubs usage
5. Unorganized changing rooms
6. Low hygiene level



Main Theatres Department

THE SOLUTION



D200 Pro
Dispensing Unit



R110 Pro
Return unit



Smart Cabinet
Flat Linen

RESULTS

1. High User Engagement
2. Daily Usage Limits
3. Increased Capacity
4. High Rate of Returns
5. 100% Availability and Choice
6. Efficient Refilling
7. Improved User Satisfaction
8. Minimal Machine Maintenance

THE POLYTEX SOLUTION

D200 PRO
DISPENSING UNIT



PM8 TOTAL-CARE
MANAGER

R110 PRO
RETURN UNIT



ACCURATE DATA DRIVEN DECISIONS



Inventory Dashboard

The Transaction Report provides a detailed view of all transactions. It includes a summary section showing 143 returned items. The main table lists transactions with columns for Station Name, Item Type, Item Sub Type Name, Card ID, User ID, User Full Name, Department Name, Title Name, Qty Bal Before, Qty Bal After, Per Bal Before, Per Bal After, Created Date, Transaction Type ID, From Location, and More Info. Two images of red fabric are shown in the report.

STATION NAME	ITEM TYPE	ITEM SUB TYPE NAME	CARD ID	USER ID	USER FULL NAME	DEPARTMENT NAME	TITLE NAME	QTY BAL BEFORE	QTY BAL AFTER	PER BAL BEFORE	PER BAL AFTER	CREATED DATE	TRANSACTION TYPE ID	FROM LOCATION	MORE INFO
Return			10465	10465	Pradip Subedi	Main Theatres		2	3	0	0	2025-07-21 14:15:37	Return		
Return			10465	10465	Pradip Subedi	Main Theatres		3	4	0	0	2025-07-21 14:15:37	Return		
								2	3	0	0	2025-07-21 11:59:45	Return		
								1	2	0	0	2025-07-21 11:59:44	Return		
								3	4	0	0	2025-07-21 11:52:27	Return		
								2	3	0	0	2025-07-21 11:52:26	Return		
								3	4	0	0	2025-07-21 11:48:32	Return		
								2	3	0	0	2025-07-21 11:48:32	Return		
								3	4	0	0	2025-07-21 11:21:54	Return		
								2	3	0	0	2025-07-21 11:21:54	Return		
								1	2	0	0	2025-07-21 10:59:24	Return		
								0	1	0	0	2025-07-21 10:59:24	Return		
Return			10655	10655	Hannah Byrne	Main Theatres		5	6	0	0	2025-07-21 12:48:07	Return		
Return			10655	10655	Hannah Byrne	Main Theatres		4	5	0	0	2025-07-21 12:48:07	Return		

Transaction Report

FULL RANGE OF OPERATIONAL REPORTS

- Usage Over Time
- Peak-hours
- Dead Inventory
- Popular Items
- Purchasing Decisions
- Inventory Optimization

RESULTS: HIGH POSITIVE IMPACT

High User Engagement



550+

Employees registered as end users for the machines.

Increased Capacity



7,000

~7,000 workwear items dispensed per month.
Includes 3492 shirts and 3475 trousers

Fast Refill Time



10 mins

10 minutes per refill for 600 items for the machine.



100% Availability and Choice

Scrub availability reached 100%, and employees gained the ability to choose different sizes for tops and bottoms.



Improved User Satisfaction

Extremely high level of employee satisfaction



Daily Usage Limits

Each user granted permission four sets per day. Focus on personal accountability.



High Rate of Returns

All items consistently returned to the designated return unit, ensuring accountability

POLYTEX CUSTOMER BENEFITS

- **24/7 Access and Availability**

Staff can get scrubs anytime, without needing extra staff after hours

- **Reduced Linen Losses and Shortages**

Controlled access to the linen and End-user accountability; no hoarding in the lockers

- **High Level of Hygiene**

Hands-free hygienic collection and return for clean and soiled items

- **Easy Inventory Management**

Track your inventory in real-time

- **Staff Satisfaction**

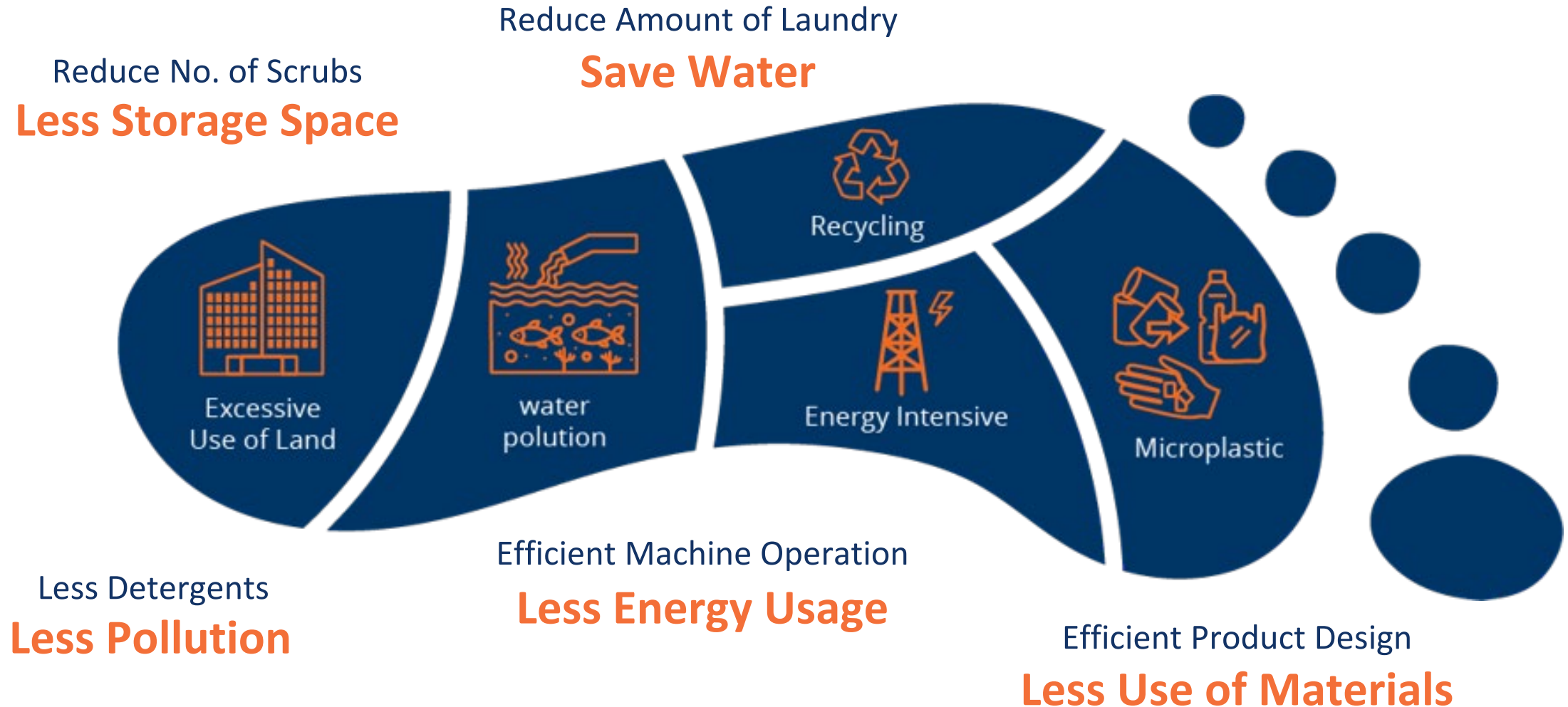
Easy 24/7 access to clean scrubs in various sizes makes staff more satisfied

- **Go Green & Save**

Reduce waste, cut costs, and hit Net-Zero goals



POLYTEX CONTRIBUTION TO **NET ZERO** GOALS



FULL VISIBILITY AND CONTROL



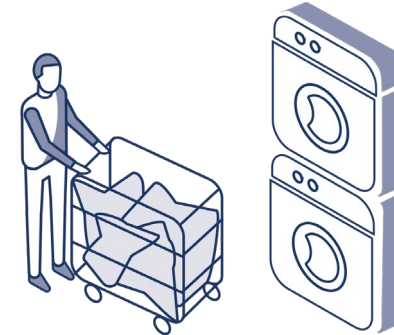
Inventory Control

Control inventory and ensure sufficient daily supply.



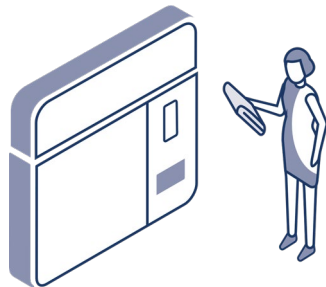
Total-Care Manager

View alerts and reports via intuitive dashboard



Laundry Management

Know how many items are sent to laundry service.



Usage Tracking

Monitor number of collections and returned items per person.



Questions & Answers



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