

DRIVING COMPLIANT RECYCLING ACROSS ONE OF THE UK'S LARGEST HOSPITALS



Bwrdd Iechyd Prifysgol
Caerdydd a'r Fro
Cardiff and Vale
University Health Board

CARDIFF AND VALE UNIVERSITY HEALTH BOARD

- 5 hospital sites
- Flagship: **University Hospital of Wales (~1,119 beds)**

Following new **Workplace Recycling Legislation in Wales**, the Trust needed to rapidly transform how waste was managed across complex, high-traffic environments.

THE CHALLENGE

- Mixed recycling systems no longer compliant
- Waste contamination driving significant fines
- Complex environments (wards, public areas, kitchens)
- Need to support **staff, patients, and visitors behaviour**

ORIGINAL CONTAMINATION RATE: 48%

THE APPROACH

RCP delivered a structured, data-led implementation:

- **Waste walk & site analysis** across key areas
- Identification of waste streams and usage patterns
- Pilot across hospital wards and public areas
- Focus on **behaviour-led design** (colour coding, openings, signage)

THE SOLUTION

- **Slim Jim® Recycling Stations** selected for:



Modularity



Colour-coded waste streams



Custom labelling



"Billboard clarity" for users



Durability in high-use environments

- Deployment of 3-stream recycling stations
- Rollout across University Hospital of Wales & Llandough

**300+ RECYCLING STATIONS INSTALLED
~1,000 BINS DEPLOYED ACROSS TWO SITES**



THE RESULTS COMPLIANCE & BEHAVIOUR

48% ► 8%
CONTAMINATION

(RCP trial)

~11.2%
**CONTAMINATION IN
NEW STATIONS VS 46%
TRADITIONAL BINS**

(client data)





SUSTAINABILITY IMPACT AS A RESULT OF MORE EFFICIENT SHIPPING

(*estimated)

OPERATIONAL IMPACT

- Reduced fines from contamination
- Improved waste segregation accuracy
- Scalable model across multiple sites
- Better experience for staff & visitors

SCALABLE IMPACT

This project provides a replicable model for large healthcare environments facing new legislation:

- Multi-site rollout ready
- Proven reduction in contamination
- Supports compliance at scale

FIND OUT MORE

If you would like help on how to improve your recycling processes, as well as comply with legislation, please contact:

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James Bromley, Head of Waste Compliance and Recycling, explains the importance of this new waste management strategy and the impact it's had.

“
Sustainability is becoming more important all the time. As a Health Board, we generate around 4,000 tonnes of waste every year - and we have a responsibility to manage that in an environmentally responsible way.

With the support of the Rubbermaid Commercial Products team - through detailed waste audit data and the implementation of the right solutions - we've made significant progress.

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WHY IT WORKED

- ✓ Right bin, right place strategy
- ✓ Visual guidance (colour + shaped openings)
- ✓ Behaviour-driven design
- ✓ Tested through real-life pilot before rollout
- ✓ Design drove behaviour - not just compliance