

CASE STUDY

Operational Risk Mitigation & Waste Segregation Optimisation for a Pharmaceutical Organisation in UK

~50% REDUCTION IN COLLECTIONS,
RESULTING IN £28,500 SAVINGS

Proactive compactor replacement and segregation redesign delivering £28.5k annual savings and eliminating operational downtime risk



Integrated solution combining equipment replacement, segregation redesign, and logistics optimisation

THE PROJECT

Tradebe delivered a **targeted operational improvement** programme within a highly regulated **UK life sciences facility**, focused on eliminating equipment risk, **improving waste segregation**, and optimising logistics performance.

Through **proactive asset replacement**, infrastructure upgrades, and process redesign, the project transformed an inefficient and risk-exposed waste operation into a **stable, cost-efficient, and performance-driven service model**.

THE CHALLENGE

The site was operating with an **ageing compactor at end-of-life**, which had experienced multiple breakdowns and posed a **significant risk of operational disruption**. Replacement lead times meant a failure could result in up to **12 weeks of downtime**.

At the same time, **waste segregation was ineffective**. Although the majority of material was recyclable cardboard, contamination from bulky polystyrene and specialist packaging meant it was **processed as general waste, increasing costs and reducing efficiency**.

THE SOLUTION

Tradebe implemented an **integrated solution** combining equipment replacement, **segregation redesign**, and logistics optimisation. A **new compactor** was installed ahead of failure, removing downtime risk and **improving compaction efficiency**.

A dedicated baler was introduced to **manage specialist waste streams**, preventing contamination and protecting performance. **Segregation processes were restructured** to create defined recycling and residual waste streams, supported by new routes.

BENEFITS

In addition to the **£28,500 annual savings, elimination of downtime risk, and reduction in collections**, the project also delivered:

- **~90%* reduction in general waste volumes** through improved segregation
- **Improved recycling performance**, with cardboard and polystyrene diverted into dedicated streams
- **Reduced site traffic** and associated disruption through fewer collections
- **Improved compaction efficiency** (~50%), increasing payload per movement and overall service efficiency