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TGB Sets Sights on Major Expansion of Revolutionary MSU Waste Management System Following Proven Results

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The Green Block (TGB) is targeting a significant expansion of its globally patented Mobile Segregation Unit (MSU) network following the success of its pioneering waste management solution across some of the UK's busiest transport hubs.

Having already deployed 10 MSU units at major locations including London Victoria, London Bridge, St Pancras, London Waterloo, Stansted Airport and Birmingham Airport, TGB plans to increase the number of units by between 80-100% by the end of 2026 as demand grows for smarter, data-led waste solutions.

The expansion follows a series of impressive environmental and operational results which demonstrate the effectiveness of the MSU model in high-footfall, multi-tenanted, safety-critical environments.

Never before has the phrase "the results speak for themselves" been more appropriate.

For Network Rail alone, the MSU system has delivered carbon savings of 282% while consistently achieving recycling rates of over 90%, significantly outperforming traditional waste management approaches in complex passenger environments.

Across current deployments, TGB's MSUs are processing approximately 30,000 tonnes of material with volumes expected to increase substantially as further units come online throughout the year.

Unlike conventional waste management systems, which rely heavily on off-site processing and public participation in waste segregation, the MSU operates as a mobile on-site mini material recovery facility.

Mixed waste is segregated, processed and consolidated directly within the operational environment, removing many of the inefficiencies and contamination associated with traditional collection methods.

Supporting the technology is TGB's proprietary Plaza platform, a real-time digital reporting system that captures, tracks and analyses waste data with forensic precision. Through this

unique "waste DNA" capability, organisations gain complete visibility of where waste is generated, how it moves through their estate and where opportunities exist to improve recycling performance and reduce carbon emissions.

Adam Williams, Managing Director of The Green Block, said: "The success of our existing deployments has created significant momentum for the MSU model and we are now setting our sights on expanding from 10 units to between 18 to 20 by the end of the year.

"The results we have achieved demonstrate that there is a better way to manage waste in complex, high-footfall environments. In suitable locations, MSUs can achieve recycling rates in excess of 90%, while providing clients with unprecedented visibility of their waste streams and environmental performance.

"By combining innovative infrastructure with real-time data, we are helping organisations reduce waste, improve recycling rates, lower carbon emissions and make better-informed operational decisions."

The approach also addresses wider industry challenges highlighted by recent bin removal strategies at smaller stations. While removing bins may reduce visible collection costs, it can create hidden operational pressures including increased littering, greater contamination, increased pest control costs, higher cleaning costs and reduced customer dissatisfaction.

By contrast, TGB's model manages complexity within the waste management process itself, reducing reliance on passenger behaviour and delivering more consistent environmental outcomes.

Looking ahead, TGB sees substantial opportunities for growth across the rail, aviation and stadium sectors, where operational complexity and high passenger volumes demand scalable, measurable and data-driven waste solutions.

As environmental reporting requirements continue to tighten and organisations seek greater transparency around sustainability performance, systems that combine physical infrastructure with real-time intelligence are increasingly becoming the benchmark for modern waste management.

With up to 20 MSUs expected to be operational by year-end and a growing body of evidence demonstrating significant environmental benefits, TGB believes its revolutionary approach is well positioned to redefine waste management across the UK's transport and public infrastructure sectors.