VOOM
Intelligent insight for an evolving world

Clearsight AI

What is Clearsight AI?

Clearsight AI is an advanced, AI-powered platform designed to optimize efficiency in waste management. It provides real-time, data-driven insights, enabling smarter resource allocation, automated processes, and improved operational performance. With ClearSight AI, organizations can reduce costs, enhance service delivery, and make more informed decisions in managing waste.

Why choose Clearsight AI?

ClearSight AI enhances waste management operations with AI precision, providing exceptional insights while utilizing your existing technology—no new hardware required.

Key benefits

Comprehensive Participation Insights

Achieve street-level accuracy in tracking collection service participation—100% coverage, no sampling required.

Enhanced Performance Metrics

Gain detailed insights into every bin lift, including weight, location, and duration, to optimize efficiency.

No Additional Hardware Needed

Maximise the value of your existing in-cab technologies —no new equipment required.

About us

Voom is at the forefront of waste management innovation, dedicated to sustainable solutions through advanced AI.

With decades of industry experience and expertise in recycling and route optimisation, we deliver precision insights with ClearSight AI, enhancing efficiency without the need for new hardware. Trust us to help you make smarter, data-driven decisions for a more effective and sustainable waste management system.

Get in touch:

If you would like to request a consultation, or have any questions about how Clearsight AI can optimise your waste collection operations, we'd love to hear from you.

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Blackburn with Darwen

OBJECTIVES

Blackburn with Darwen sought to understand their waste participation throughout the entire Council area. Their goal was to enhance the efficiency of their collection service and improve participation and recycling rates through effective communication.

To effect meaningful change, their options were confined to either small-scale study areas or complex and costly in-cab or hardware solutions.

SOLUTION

Blackburn with Darwen achieved comprehensive insight into participation rates area-wide, down to street-level detail by collaborating with Voom and using their Clearsight AI technology. Every bin collection is geotagged, with key data like waste type, round identifier, weight, and timestamp.

The interactive portal enables Blackburn with Darwen to analyse and explore this data thoroughly. Clearsight AI leverages existing hardware and technologies, eliminating the requirement for additional equipment and software.

BENEFITS

1 Comprehensive area coverage

A detailed understanding of household participation rates was achieved across Blackburn with Darwen Borough Council's entire area.

2 Precise geolocated data

Geolocated information was captured for every bin lift and for all waste types.

3 User-friendly interface

The online portal offers a simple and intuitive experience for data analysis and interpretation.

> "What used to be months of work, brought into a best guess situation and a few prayers to the Refuse gods, has now become an effortless task."
>
> "Voom has revolutionised this practice with pinpoint accuracy and given us the ability to understand things and see actual information instantly."

AT A GLANCE

CHALLENGES

Understanding participation

Absence of relevant and meaningful data

Limited affordable options

BENEFITS

- ✓ Interactive portal
- ✓ Factually grounded data
- ✓ Comprehensive understanding
- ✓ Affordable at scale

Paper and card lifts
General plastic lifts
Residual lifts

Street-level participation
LSOA-level participation
Ward-level participation
LA-level participation

Paper and card 59.1%
325 lifts • 2,281kg
General plastic 73.3%
403 lifts • 3,139kg
Residual
550 lifts • 14,402kg

Paper and card rounds
1 2 3

Paper and card participation
0%   100%