

Liverpool City Region Circular Economy Week

Simone Greyling

LCR Club Lead



**Circular
Economy
Club**
Liverpool City Region

Key Information

- **Toilet Locations:** There are toilets located on each floor, with accessible toilets located on the ground and fourth floors, along with a parent and baby changing room on the ground floor.
- **Fire Alarm:** There are no fire alarm tests scheduled for today.
- **Photograph Consent:** We plan to take some photographs during the event for promotional purposes. If you are uncomfortable with being included in these images, please let me know, and we will ensure your preferences are respected.
- **Questions:** Each presenter will take questions after their presentation.

Agenda

Item	Lead
Welcome and housekeeping	Simone Greyling
University of Liverpool	Rhiannon Hunt
Veolia	Rachel Albrecht
10 min Refreshment break	
The Momentum Group	Cath Riseborough
Recipro	Rebecca Close
Networking & Stalls	All attendees.

Merseyside Recycling and Waste Authority

- The Merseyside Recycling and Waste Authority (MRWA) manages the recycling and residual household waste collected by councils throughout Merseyside and Halton.
- Our services include:
 - •Managing 16 Household Waste Recycling Centres
 - •2 Material Recovery Facilities
 - •4 Waste Transfer Stations
 - •Aftercare of 7 closed landfill sites
- MRWA caters to around 1.5 million residents and over **700,00 tonnes of waste each year**, with each household producing an average of **631.33 kg of residual waste annually** (2024-2025 figures).
- Recently, the Climate Change Committee told Parliament that UK recycling progress is 'off track', with the household recycling rate stuck between 44-46% for over a decade. Currently, LCR maintains a **recycling rate of 35.2%**,



Circular Economy Club Liverpool City Region



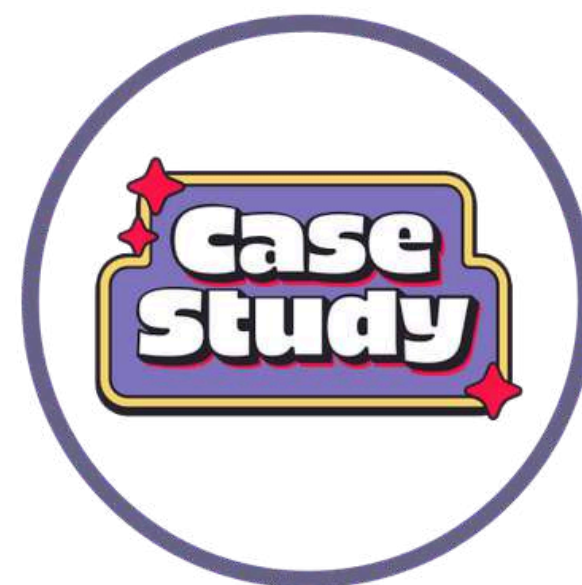
QUARTERLY NEWSLETTER

Regular updates on new legislation, circular case studies and new sustainable innovation.



CIRCULAR CITIES

Focusing on circularity, alternative measures, waste monitoring, and legislation.



CASE STUDY SERIES

Focusing on promote local organisations circular and sustainable stories.



ROUNDTABLE REVIEW

Opportunity to review previous year and plan for year ahead.



**Circular
Economy
Club**
Liverpool City Region

Transitioning to a Circular Economy: A University of Liverpool Perspective

Dr Rhianon Hunt
Circular Economy Manager



Linear Economy

Historically, a linear 'take-make-waste' economic model has been adopted.

This model assumes:

- The continuous supply and extraction of virgin resources
- An unlimited capacity for the earth to absorb waste and pollution

On a finite planet, this results in environmental degradation, resource depletion, climate change, and biodiversity loss.

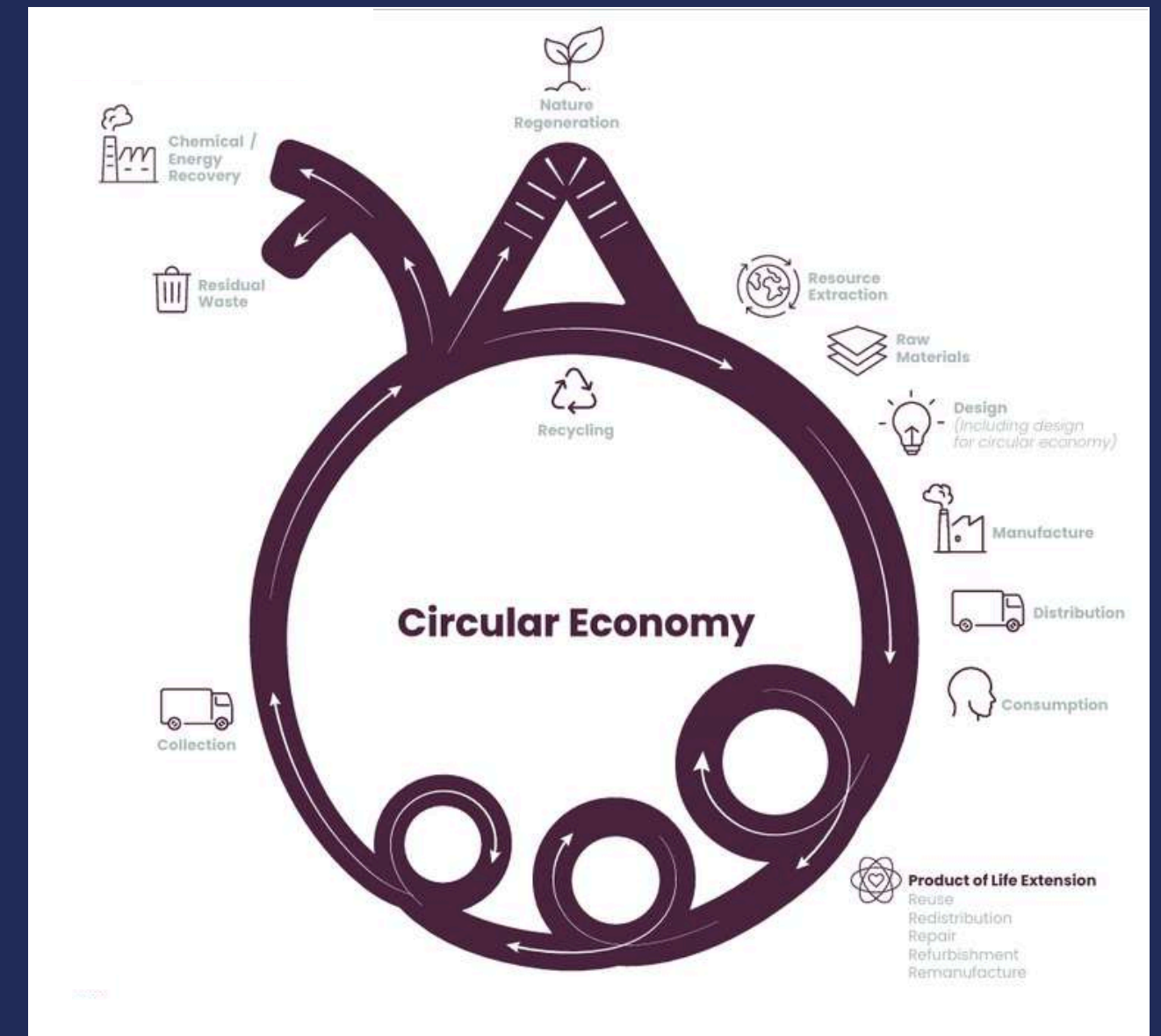


Circular Economy

A circular economy is a new, sustainable model of production and consumption.

Key principles include:

- Reducing resource extraction and environmental impacts while regenerating natural systems, helping to restore biodiversity, ecosystems and natural capital.
- Keeping products, components and materials at their highest value for as long as possible through reuse, repair, refurbishment, remanufacturing and recycling.
- Taking a systems approach, considering the full lifecycle of products and materials to design out waste and pollution from the outset.



Data & Insights

You can't improve what you don't measure.

Good quality data has been essential for understanding risks, identifying opportunities and prioritising action.

Methods for improving data availability, include:

- Working with waste and reuse service providers
- Stakeholder engagement with key departments
- Analysing consumption data using CO2A
- Supporting roll out of NET Positive's supplier engagement and reporting tools
- Implementation of a permit process for monitoring contractor-generated waste

As circular initiatives have been implemented, monitoring has been built into projects from the outset.

Targets & KPIs

Data analysis and stakeholder engagement has enabled us to develop a series of strategic targets and targets focused on priority waste streams.

Strategic Targets	Priority Waste Stream Targets
50% reduction in waste-treatment CO ₂ e by 2031	Halve ICT WEEE
£1m retained value from reuse and resale	Bulky WEEE below 5 tonnes annually
Reduced waste-treatment costs	Align clinical waste with industry best practice
Monthly reporting for all waste streams	25% reduction in hazardous waste
Circular economy training and awareness	20% reduction in waste per m ² from construction and refurbishment
Circular economy embedded in research	50% reduction in general waste sent for incineration

Achievement of these targets support wider institutional goals around Net Zero, student experience and value for money.

Governance

Effective adoption of a circular economy requires support from across the institution and strong leadership commitment.

Sustainability and circular economy principles are embedded within a range of University strategies and policies, including:

- Sustainability Strategy 2031 (as a cross-cutting theme)
- Responsible Procurement Policy
- Digital Strategy
- Estates Strategy
- Biodiversity Plan

Compliance is reinforced through risk and assurance processes and through the University's Environmental Management System.

This ensures that circular economy activity is effectively embedded, monitored and evidenced.



Infrastructure & Services

A circular economy relies on making sustainable choices practical and accessible through supporting infrastructure and services.

Examples implemented at the University include:

- Internal & external bin optimisation
- Specialist material stream upcycling & recycling
- Student water refill station installation
- Reuse portal, Warp It



Infrastructure & Services

- Furniture repair and reupholstery
- IT asset resale & recycling
- Laboratory equipment resale
- Chemical inventory implementation
- Laboratory equipment sharing portal, Book It Lab



These initiatives are now delivering significant financial, environmental & social benefits.

Innovation & Collaboration

Innovation and collaboration are critical to circular economy implementation because solutions often require new ways of working.

Examples of collaborative innovation projects for a circular economy include:

- A collaboration between the Institute of Population Health and the University's Maker Space to create reusable IV bag systems for teaching activities, significantly reducing waste and cost.
- Our Sustainability Living Labs programme also connects students and researchers with real operational challenges, while enhancing learning opportunities.
- Engineering's Circular Economy Capstone project, supported through the collection of single-use plastics for trials using heat presses to create recycled sheet materials.

A circular economy requires out of the box thinking to find solutions, and collaboration between departments, ensuring solutions meet requirements.



Education & Awareness

Education and awareness raising are essential for enabling behaviour change.

The University supports this through dedicated communications channels, guidance documents, training programmes and engagement activities.

Examples include:

- A dedicated intranet site
- Waste Compliance Training
- Circular Economy Guidance
- Environmental operating procedures
- Sustainability Week & Awareness Days

Together these help staff, students and stakeholders understand both opportunities available to participate in circular economy activities.



Monitoring & Continual Improvement

Measure. Review. Improve.

The University monitors circular economy performance through:

- Regular review of waste, reuse and resale data
- Assessment through established governance groups
- Annual reporting via HESA EMR & EAUC SCEF
- Internal audits
- External audits, including ISO 14001

Monitoring supports continual improvement, understanding successes and failures and ensuring resources and focus is appropriately applied as operations and contextual factors change, and new risks and opportunities emerge.

There is no end-point. A circular economy relies on an effective ecosystem.



Thank you

We are the projects
that make headlines
And people that
make history

We are the original redbrick

Recycling in Merseyside & Halton

Circular Economy Club October 2026



Facilities

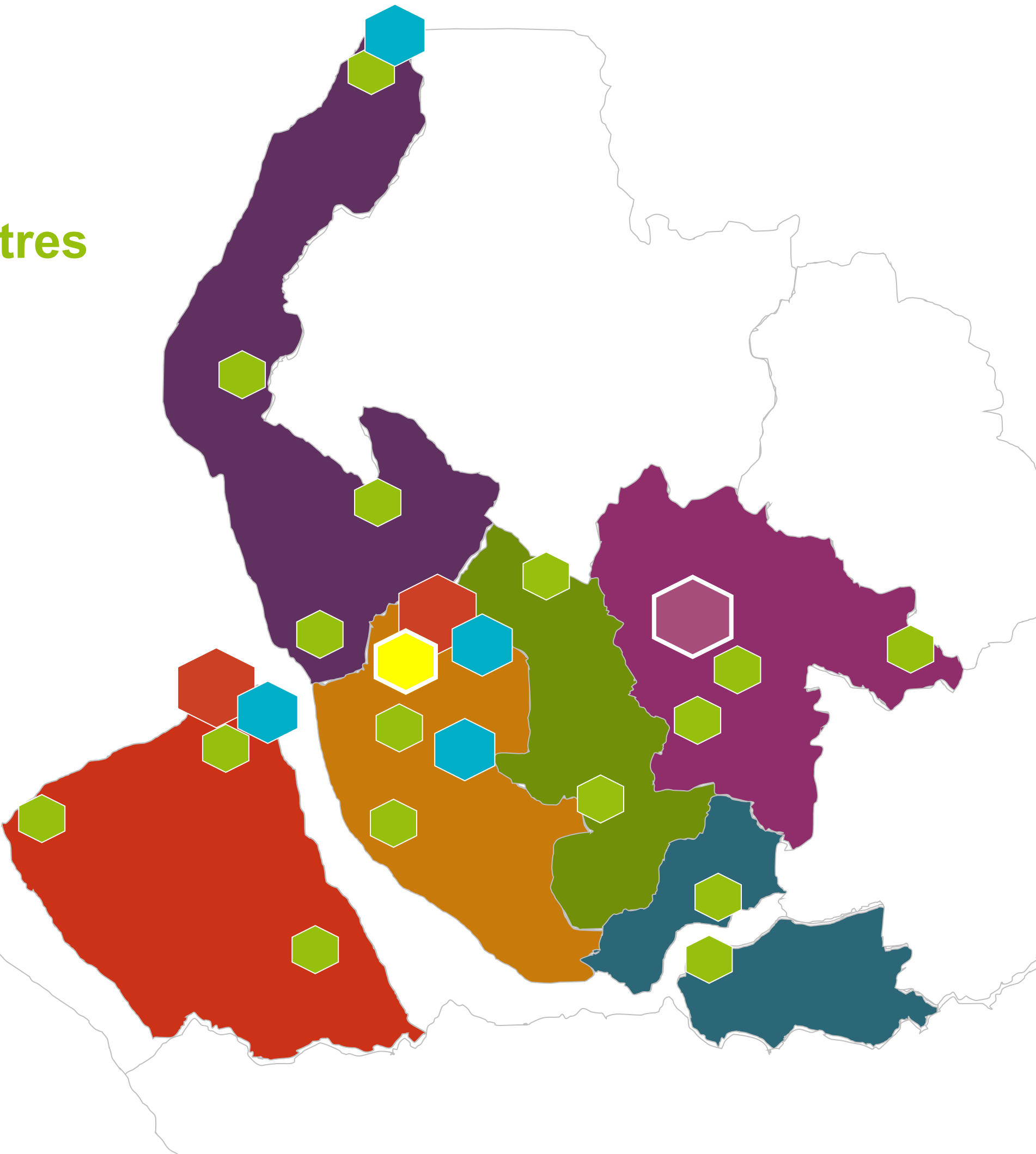
 16 Household Waste Recycling Centres

 2 Material Recovery Facilities

 4 Waste Transfer Stations

 1 Recycling Discovery Centre

 1 Cullet Production Facility



Gillmoss MRF Overview



Dec 2011 - Started to receive material

Commingled recyclates - Processes mixed recycling streams

100,000 tonnes - Material treated per year

80 Staff - Working across 2 operational shifts

677,000 Households (1.6 million residents)

Output each day



172 bales of paper (800kg)

36 bales of plastic bottles (540kg)

13 bales of steel cans (1100kg)

10 bales of aluminium (450kg)

3 articulated lorry loads of glass (28 tonnes)

Simpler recycling updates



Drinks cartons



Plastic pots, tubs & trays



Foil & foil trays



Aerosols



Contamination

25%

Contamination rate

300+
tonnes

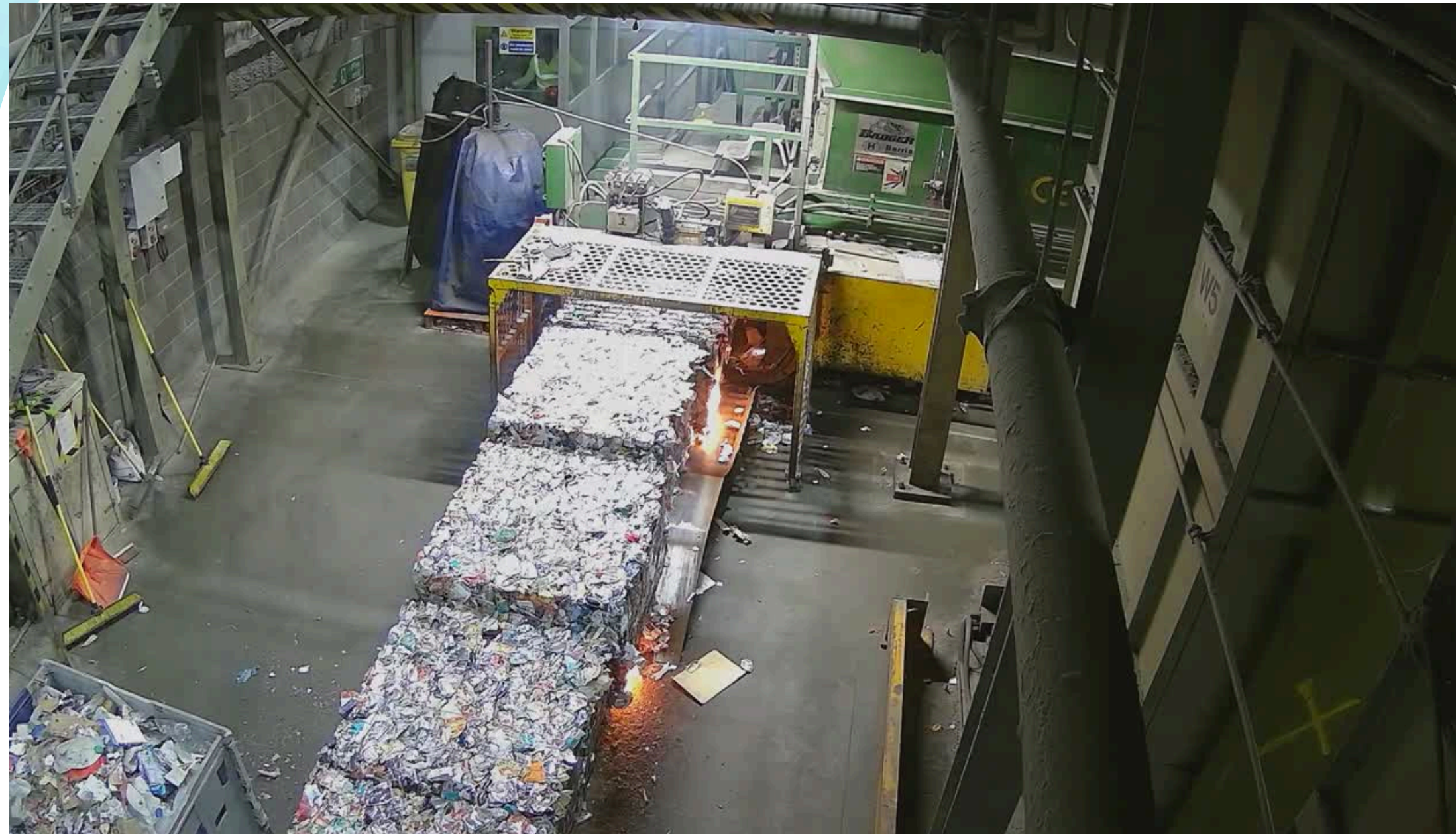
of food waste in 2025

!

Good recycling is wasted



Dangerous waste



Vapes

Nox canisters

Lithium-ion batteries

Arrange a free visit



During your experience you will discover:

What you can **recycle at home** to help you and your group **Recycle Right**.

What is **contamination** - That is the wrong things put in the recycling bins.

The **Journey of recycling** from your home to its final destination.

A unique **tour of the Materials Recovery Facility** where you'll see recycling in action.



The Goodbox

Reuse in the community



10 Partnerships

1,000+ — items collected

4+ tonnes — of material





10 Min Refreshment Break



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Liverpool City Region

The Momentum Group

LCR Circular Economy Week Event

Wednesday 14 October 2026



Agenda

- Who we are
- Our approach to environmental sustainability
- The circular economy
- Practical examples (and challenges)
- The future
- Questions

The Momentum Group

Who we are

- Full spectrum property services Group
- Made up of four specialisms: Advise, Build, Manage and Maintain
- Liverpool-based SME
- B Corp certified since 2024.



Our Approach to Environmental Sustainability

- Social value is covered under four pillars:
 - People
 - Place
 - Planet
 - Professionalism
- Utilise expertise
- Monitor as much as possible
- Make the benefits clear

The Circular Economy

‘A closed-loop approach designed to eliminate waste, keep products and materials in use for as long as possible, and regenerate natural systems.’

Practical Examples

Retrofitting

- We do not build from new
- Feasibility studies
- Cut and carve
- Retail fit out



Practical Examples

Reusing Materials

- Salvage materials from strip outs
- Reuse of items
- Charitable donations



Practical Examples

Planned Maintenance

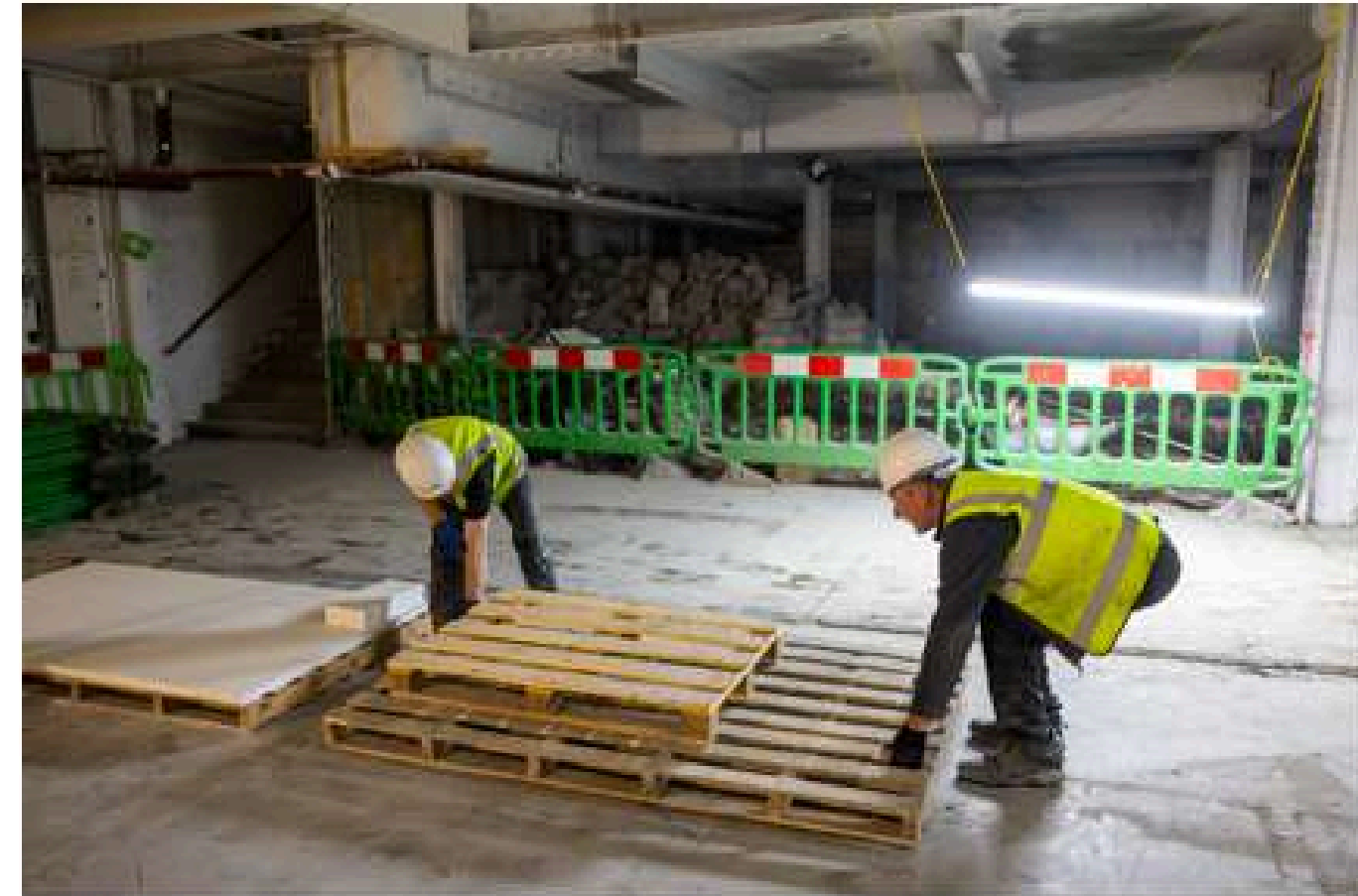
- Effective planned preventative maintenance schedules
- Regular building checks
- Extending the life of a building and its fabric



Practical Examples

Sustainability Audits

- Plans are scrutinised early on
- Sustainable improvements suggested
- Knowledge of materials is key



Practical Examples

Fleet of Vans

- Fleet of four diesel vans
- Is it more sustainable to keep driving the vehicle you own?
- Environmental impact of manufacturing a new vehicle v emissions
- Cut mileage instead



Practical Examples

Sustainable Urban Drainage

- Working with United Utilities and other partners
- £30m investment
- Aim to turn Liverpool into a 'sponge city'
- Reduce flooding



The Future

- Education piece with clients
- Ensure team have knowledge
- Early intervention



Questions?

recipro

A BUILDING MATERIAL & PAINT REUSE STORY



reciprocitywirral

Home Of ReColour

BECKIE CLOSE

WHO ARE WE?

A SHOP?

WASTE MANAGERS?

RECYCLERS?

MESS MAKERS?

PIONEERS?



REDUCE WASTE

HELP COMMUNITIES

BE SUSTAINABLE

OUR “WHY”



WHAT WE DO

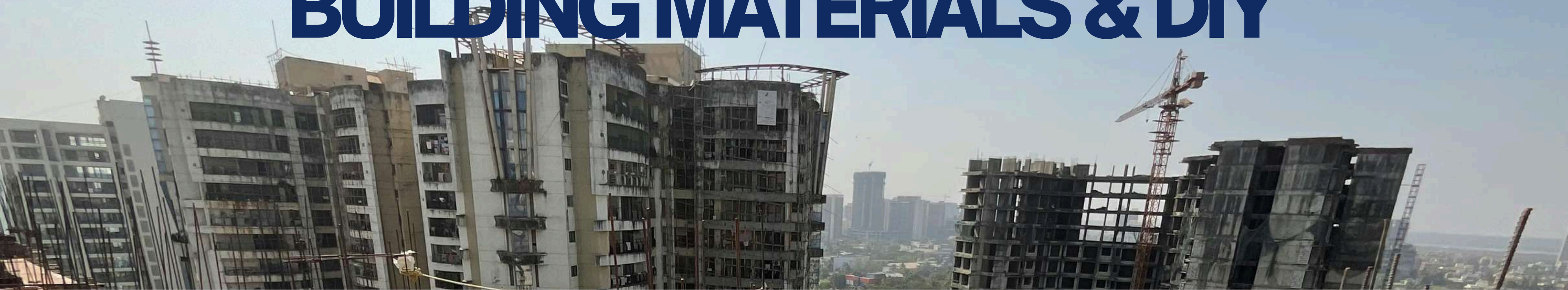
DIY REUSE STORE

PAINT REUSE

PAINT
REMANUFACTURING



BUILDING MATERIALS & DIY



KITCHEN
BATHROOM
PLUMBING
DOORS
FLOORING
GENERAL DIY
PLASTERBOARD





1.45 MILLION
LITRES

Community
RePaint



PAINT
REUSE



RECOLOUR





WHO WE WORK WITH

CHARITIES
SOCIAL ENTERPRISE
SOCIAL HOUSING
FAMILIES
BUSINESS
SCHOOLS & COLLEGES
COMMUNITY GROUPS
WASTE CONTRACTORS
MANUFACTURERS





**SOME
REALLY BIG
NUMBERS**



**WHAT'S
NEXT?**

The background of the entire image is a vibrant, abstract composition of paint splatters and paint containers. In the upper portion, there are numerous small, multi-colored splatters in shades of red, yellow, orange, purple, and blue. Below this, a horizontal band contains several open paint containers. From left to right, these include a red container, an orange container, a white container with pink paint inside, a yellow container, and a purple container. The lower portion of the image is a solid light grey area where the text is located.

WWW.RECIPRO-UK.COM | WWW.RECOLOURPAINTS.COM

FACEBOOK AND INSTAGRAM

REBECCA@RECIPRO-UK.COM

**WANT TO FIND OUT
MORE?**

LCR Circular Economy Week - Post-event feedback survey



Thank you!

- **Email:** cec.lcr@merseysidewda.gov.uk
- **Website:**
<https://www.zerowastelcr.com/ceclcr/>
- **Feedback survey:**
<https://forms.cloud.microsoft/e/zTqHvTGyeh>