



Sustainability
Simplified & Amplified





Your Sustainability Manager

At its core, Cirqlar is an **industrial waste management platform.**

Cirqlar helps **manufacturers, recyclers, and brands track waste, monitor resource usage, track carbon emissions, meet compliance goals, and enable recycling partnerships** with full visibility into material flows and environmental impact.



Waste streams Cirqlar tracks

From the first fabric off-cut to the last litre of dye effluent, Cirqlar captures every major waste category generated in apparel and textile production.

-  **Manufacturing waste**
≈ 92 million t generated every year
-  **Wastewater**
Textile dyeing causes ≈ 20 % of global industrial wastewater and loses 200,000 t of dyes yearly
-  **E-waste**
53.6 million t of e-waste generated globally per year
-  **Packaging waste**
≈ 60,000 t of plastic packaging from fashion each year
-  **Toxic chemical waste**
43 million t of chemicals used in textile production annually
-  **Energy wastage**
Fashion uses more energy than aviation + shipping combined—≈ 10 % of global emissions



Cirqlar Streamlines Every Step of Your Sustainability Journey

Measure

- Waste Tracking Platform
- Resource Consumption Tracking Platform
- Emission Tracking Platform

Manage

- Waste Inventory Management
- Waste Sales Management
- Recycle & Disposal Management

Connect

- Recycling Marketplace

Report

- Internal Reporting
- Compliance Reporting
- Decarbonisation Reporting





Key challenges

Manufacturer

- Fragmented data collection
- Hidden resource inefficiencies
- Lack of Real-Time Visibility

- Lack of reliable, standardised digital waste management tool
- Difficulty establishing reliable partnerships

- Difficulties in reporting carbon emission data
- Limited Awareness and Expertise

- Lack of end-to-end traceability
- Manual or Excel based Reporting causing data silos
- Time-intensive & costly compliance reporting

- Limited access to consistent, high-quality waste streams
- Market demand fluctuations

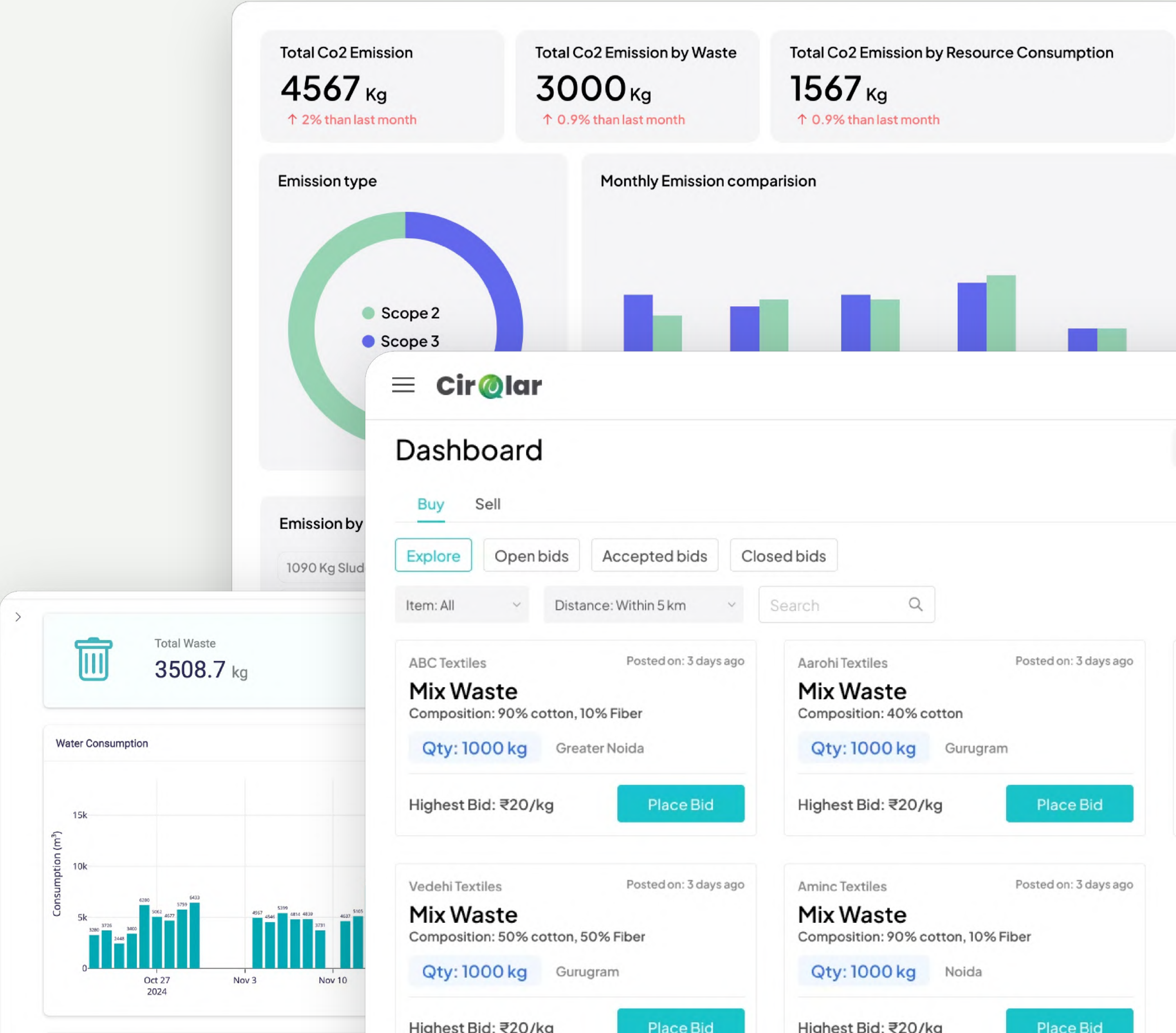
Recyclers

- Gaps in proof of true circularity

Brands

- Regulatory disclosure risk
- Consumer trust & greenwashing concerns

Cirqlar Modules





Waste Tracking & Management

The Waste Tracking module **captures every batch the moment it's generated, continuously monitors its progress all the way to final treatment**, and streams live data to your dashboard—delivering end-to-end visibility with zero spreadsheets and zero delays.

Captures real time data

≡

Hello Yogesh

👤

📷

Tap to scan

Previous entries

📦

Pick up

Line 41

Multiple Items | 56 Kg

📦

Drop-off

Line 41

Multiple Items | 56 Kg

📦

Drop-off Requested

Warehouse 3

100% Cotton | 56 Kgs

📦

Pick up

Warehouse 3

Multiple Items | 56 Kgs, 34 Ltr

Line 12

Cancel

📄

Same as previous entry?

Copy

📦

Package 1

Reset

Order ID: 1234...889

Style ID: Kurta_547...789

415 mtr | White | Fabric

Waste Category*

Quantity*

Kgs

📱

It has waste from previous order

🔴

📦

Package 2

Remove

Collection Records

SELECT WAREHOUSE

Waste Item

Clear filter

Search

ACTIVITY TYPE	LOCATION	ITEM COUNT	RECORDED AT	REC...
Cart - Narendra Kumar	Cart - Narendra Kumar	20	05 May 2025 - 12:46 PM	Nar...
Table 5 Bin	Table 5 Bin	1	05 May 2025 - 12:45 PM	Nar...
Table 4 Bin	Table 4 Bin	1	05 May 2025 - 12:45 PM	Nar...
Table 3 Bin	Table 3 Bin	1	05 May 2025 - 12:45 PM	Nar...
Table 2 Bin	Table 2 Bin	1	05 May 2025 - 12:44 PM	Nar...
	Table 1 Bin	1	05 May 2025 - 12:44 PM	Nar...
	C3 SF Stitch Line 14	1	05 May 2025 - 12:35 PM	Nar...

QR based package level tracking starts at generation point



Waste Inventory & Sales Management

It also **centralises waste inventory, sales orders, and invoices**, giving you real-time control over every step from storage to sale or disposal.

Waste sales order records

Categorised waste inventory

Waste Sales Order

	Movement #	Type
▼	10152 Created: 10 May 2025	Waste Sales Order (Ref#)
▼	10151 Created: 10 May 2025	Waste Sales Order (Ref#)
▼	7409 Created: 2 May 2025	Waste Sales Order (Ref#)
▼	7408 Created: 2 May 2025	Waste Sales Order (Ref#)

Stock Overview

Scan Stock Item

SELECT ITEM

C2C3 Scrap Room

SELECT RESERVATION

ADDITIONAL FILTERS

CLEAR

Search All

Search in Results

Measurement: 50 - <=

☐ Show Grouped Data

Summary: 4 Loose(s) - 367 Kilogram(s)

Stock Item				
Item	Stored at	Reserved	Available	
100% Cotton Black (Cutting Pcs/Clippings/Cu Pieces)	C2C3 Scrap Room	Style Order: 394	125 Kilogram Loose	
100% Cotton White (Cutting Pcs/Clippings/Cu Pieces)	C2C3 Scrap Room	Style Order: 445	103 Kilogram Loose	
100% Cotton Pink (Cutting Pcs/Clippings/Cu Pieces)	C2C3 Scrap Room	Style Order: 442	85 Kilogram Loose	
Item	Stored at	Reserved	Available	



Recycle And Dispose Management

Maintain a clear audit trail of **all waste disposal and recycling transactions** to enhance transparency and accountability.

Compliance Record
Management

Acknowledgement from
Recyclers and Disposers

E-waste Disposal Certificate

This certificate grants

That the above mentioned recycled e-waste with newte
Recycling Inc. in an appropriate ethical and environment
Responsible manner that adheres to the laws & legislatio

Waste Treatment Acknowledgement

ABC Pvt Ltd

5 May 2025, 12:05:13

Vendor

Muddle Art

Customer

Target

Vendor Waste Method

Upcycling & Reuse

Item Details

Qty

100% Cotton White (Cutting Pcs/Clippings/Cu Pieces)

10.000 kg

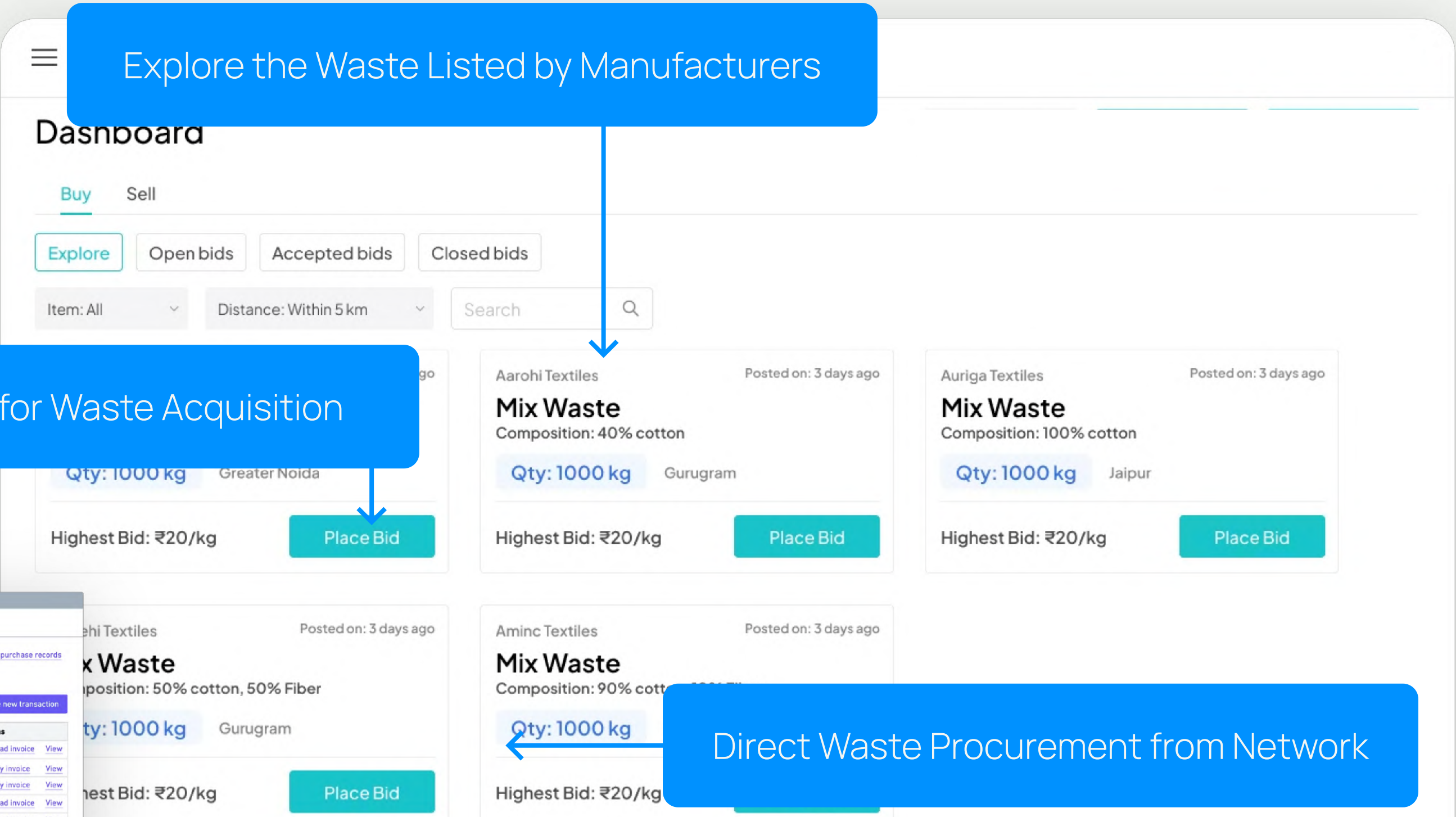
Supportive Documents





Recycler Marketplace

The Recycler Marketplace **connects recyclers with a diverse network of manufacturers**, providing a seamless platform for sourcing waste materials. With features that enhance procurement efficiency and promote sustainable practices, the marketplace enables recyclers to access high-quality materials, optimize operations, and build long-term partnerships.



Buy direct purchase

Cirqlar Buy Sell Tokens

Buy

Bids Direct purchase View purchase records

Items: all Last 3 months Search Create new transaction

ID	Item	Qty	Seller	Rate	Total amount	Contact details	Actions
12345	Cotton waste	1000 kg	Abc Textile	₹20/kg	₹20000	+919000000000	Upload invoice View
67890	Cotton waste	1000 kg	TRR Textile	₹19/kg	₹19000	+919000000000	Verify invoice View
12456	Cotton waste	1000 kg	JK Textile	₹19/kg	₹19000	+919000000000	Verify invoice View
45356	Cotton waste	1000 kg	Vermani	₹19/kg	₹19000	+919000000000	Upload invoice View
28907	Cotton waste	1000 kg	Amaze	₹19/kg	₹19000	+919000000000	Upload invoice View



Manage Traceability

You can **link source waste to the corresponding recycled products**, ensuring accurate tracking and transparency. This feature allows for detailed documentation, enabling full traceability and compliance with sustainability standards while supporting manual oversight of the recycling process.

Mass Balancing for Source Waste to Recycled Product

Generate token

Cirqlar

Buy Sell Tokens

Generate circularity token

Select invoice to settle

MUI00087899

Total qty

3000 kg

Settle

Item wise

☒ Cotton waste: 1000 kg

Red • 100% cotton • 90% settled

Auto settle

☐ Cotton waste: 1000 kg

Red • 90% cotton • 0% settled

Auto settle

☐ Cotton waste: 1000 kg

Red • 70% cotton • 0% settled

Auto settle

Settle

Invoice wise

Add invoice (to settle from)

Total qty selected: 800 kg

☐ Invoice no: MUI00087899

☒ Cotton thread: 400 kg

Red • 100% cotton

Qty

☐ Cotton thread: 100 kg

White • 100% cotton

☒ Invoice no: MUI00087890

400 kg

Bidding System for Waste Acquisition



Circularity Token

"Circularity token" is a **crucial traceability document** (generated after mass balancing) that ensures full transparency of the material's lifecycle, from waste to its final recycled form. By firmly linking every recycled item back to its waste source, the Circularity Token enforces accountability, drives sustainability efforts, meets regulatory requirements, and builds strong trust among stakeholders.

All Traceability Data in One Document.
Share it for more Reliable and Transparent
Partnerships

See Mass Balancing Method used

Access Source Waste Lifecycle

Cirqlar

Circularity Token

Token Details

Circularity Token ID CT3242656554	Connected Invoice MHGJ6554545454	Generation Date& Time 05:30 PM, 12:30 Jan 2025
Seller ABC Recycler G123 Export centre, Sitapura. Jaipur Rajasthan 302021 abc@gmail.com	Buyer THG Textile G123 Export centre, Sitapura. Jaipur Rajasthan 302021 abc@gmail.com	Token Issued by Cirqlar G123 Export centre, Sitapura. Jaipur Rajasthan 302021 abc@gmail.com
Gross Weight 560 Kg	Net Weight 555 Kg	Verified Weight 555 Kg

Item Details

Source Item	Output item	Qty	Mass Balancing Method	Source Invoice Number	Previous Tokens
NA	Cotton Thread	1000 Mtr	Auto	MAGH65789 MJHJ7676767	CT123456789 CT567676576
Cotton Waste	Cotton Thread	800 Kg	Manual selection	MAGH65789	CT123456789 CT567676576
NA	Bottles	100 Kg	Auto	MAGH65789	CT123456789 CT567676576



Full Waste Traceability—From Generation Point to Final Treatment

Cirqlar tags every waste batch at the moment of generation and records each transfer, recycler hand-off, and treatment step in a single, tamper-proof ledger. A **Circularity Token** is minted for every batch—capturing source data, logistics milestones, and verified end-of-life processing—so brands can demonstrate exactly where their production waste ends up and how it was treated.

 Waste tracking using QR from the generation point

 Mapping of source waste to Recycled/disposed items



Circularity Token

Token Details

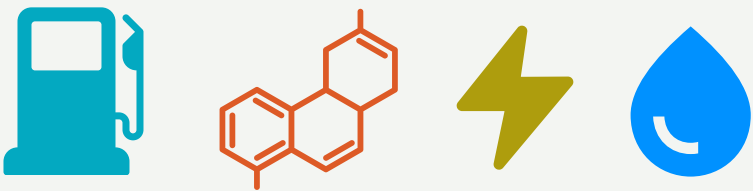
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Cotton Waste	Cotton Thread	800 Kg	Manual selection	MAGH65789	CT123456789 CT567676576
NA	Bottles	100 Kg	Auto	MAGH65789	CT123456789 CT567676576



Resource Consumption Tracking



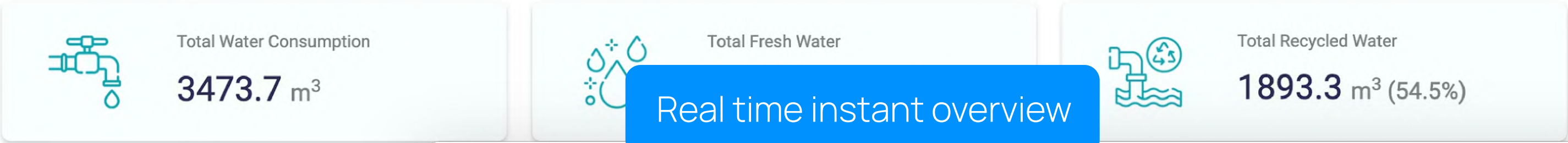
Our Resource Consumption platform **monitors every litre of water & fuel, kilowatt of energy, and gram of chemicals** in real time, turning live factory data into actionable insights that cut costs and carbon—no guesswork required.

Order mapping of consumption

Real time instant overview

Consumption trends and anomalies

Water Consumption Dashboard (01 Jan, 25 to 31 Mar, 25)



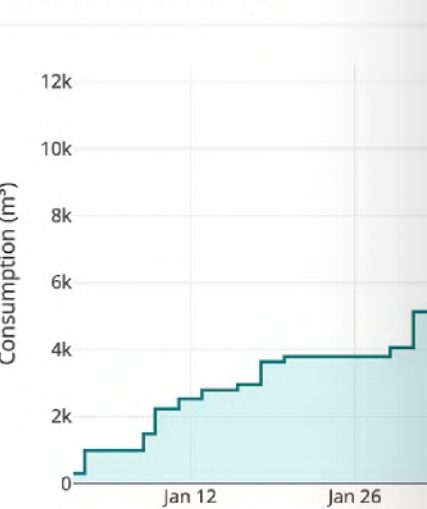
Fuel Consumption Dashboard (01 Jan, 25 to 31 Mar, 25)



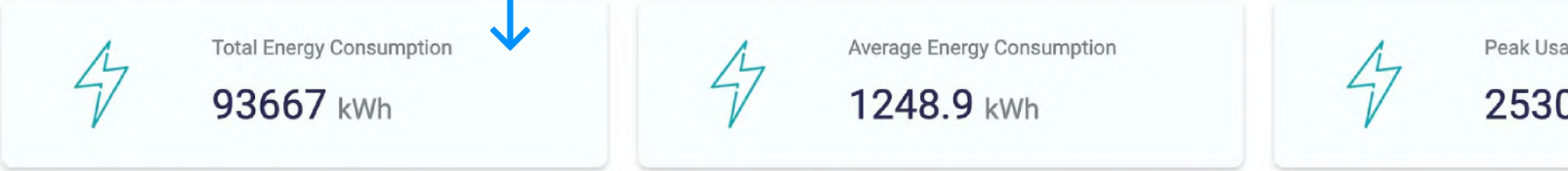
Consumption Trend (Diesel)



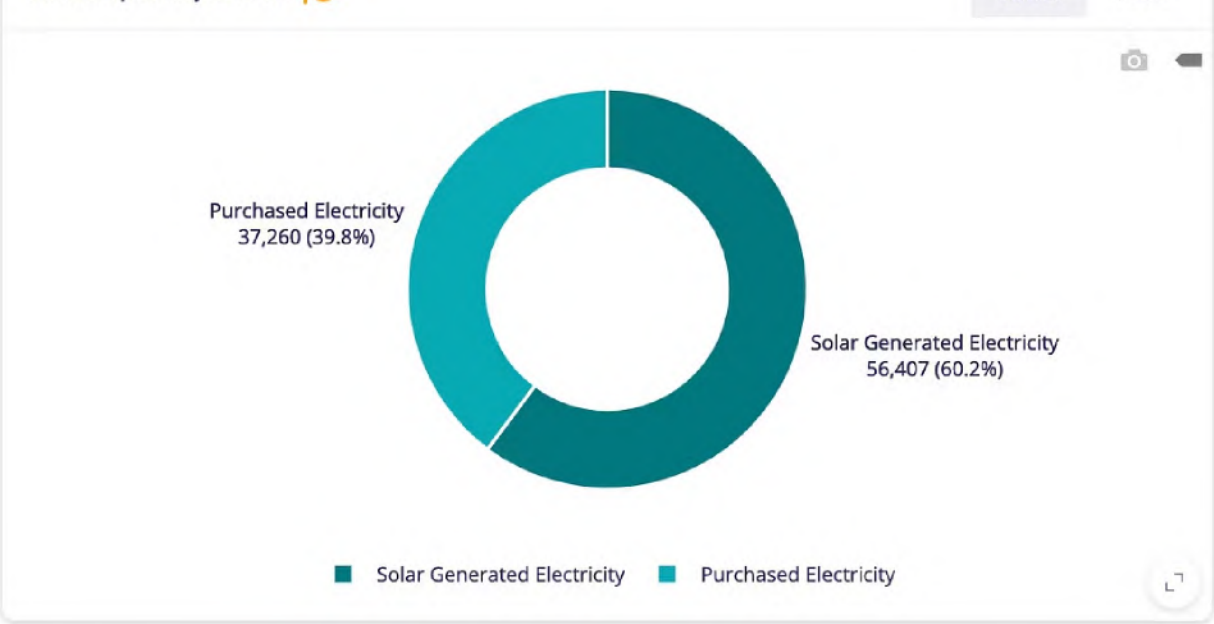
Consumption Trend (PNG)



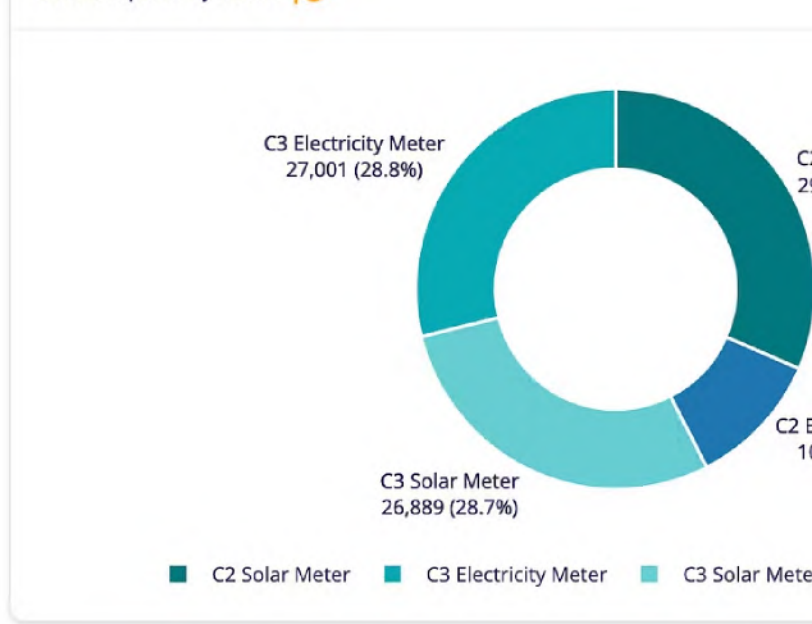
Energy Consumption Dashboard (01 Jan, 25 to 31 Mar, 25)



Consumption by Source



Consumption by Node





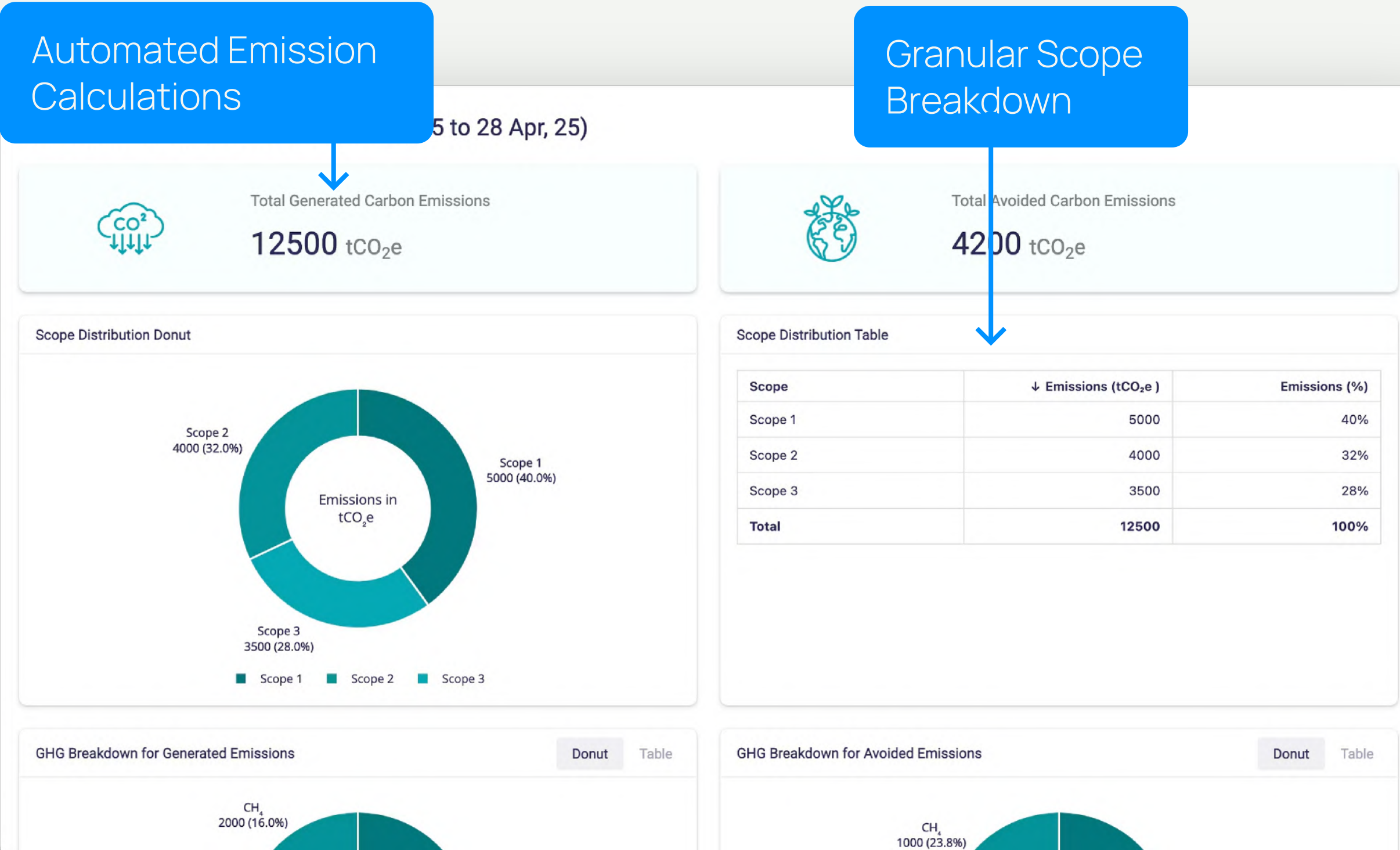
Carbon Emission Tracking

(For Waste & Resources)

Gain a single source of truth for your carbon footprint. Our module automatically **captures emissions data across Scope 1, 2, and 3**, converts it into real-time dashboards, and delivers regulation-ready reports—so you can pinpoint hotspots, hit reduction targets, and stay effortlessly compliant.

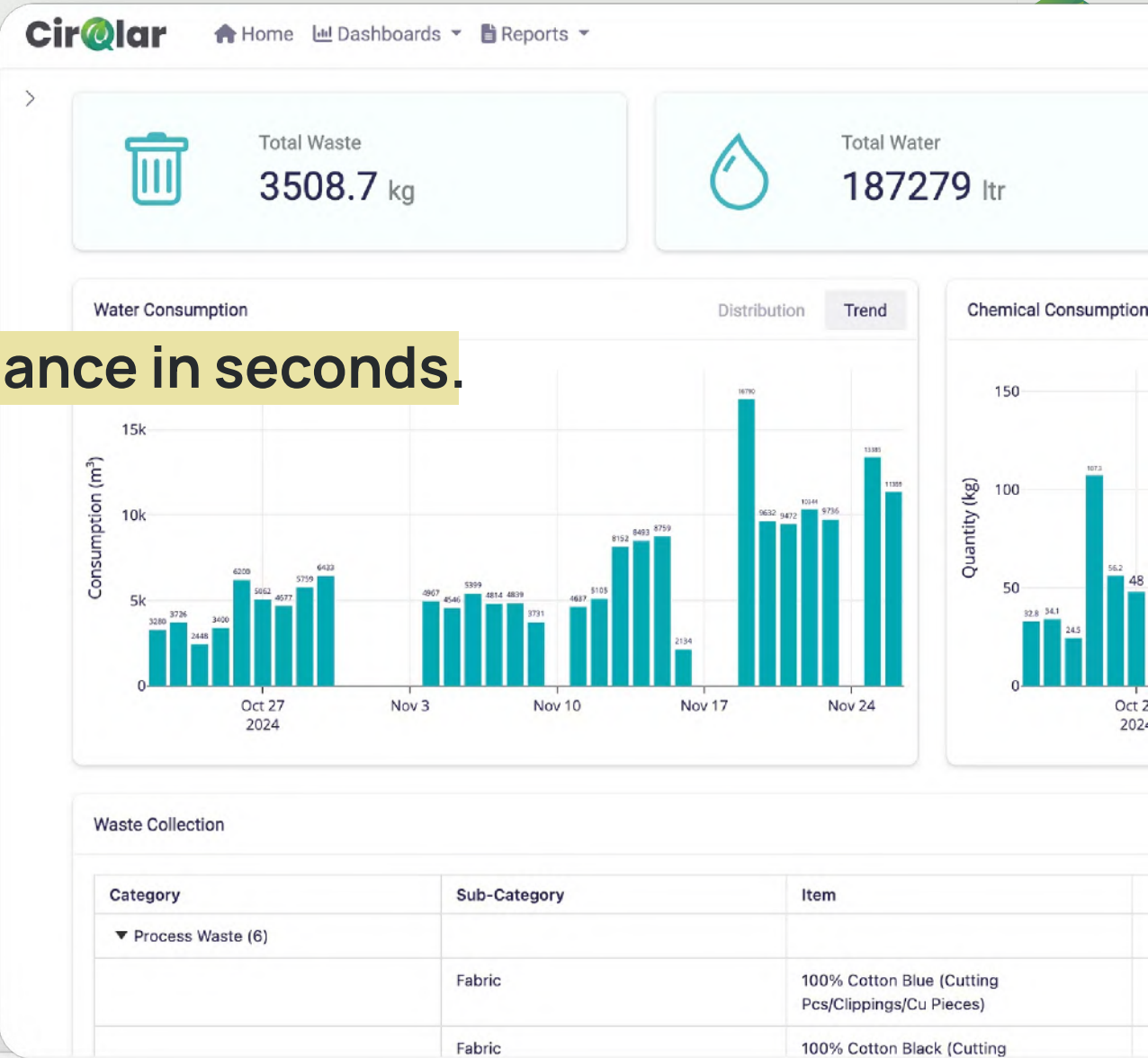
What do we cover:

Waste Generated in Operation	Scope 3
Energy Purchased from Outside Sources	Scope 2
Onsite Fuel Combustion:	Scope 1
Onsite Wastewater Treatment	Scope 1
Chemical Cosumption during Manufacturing Process	Scope 1



Reporting & Analytics

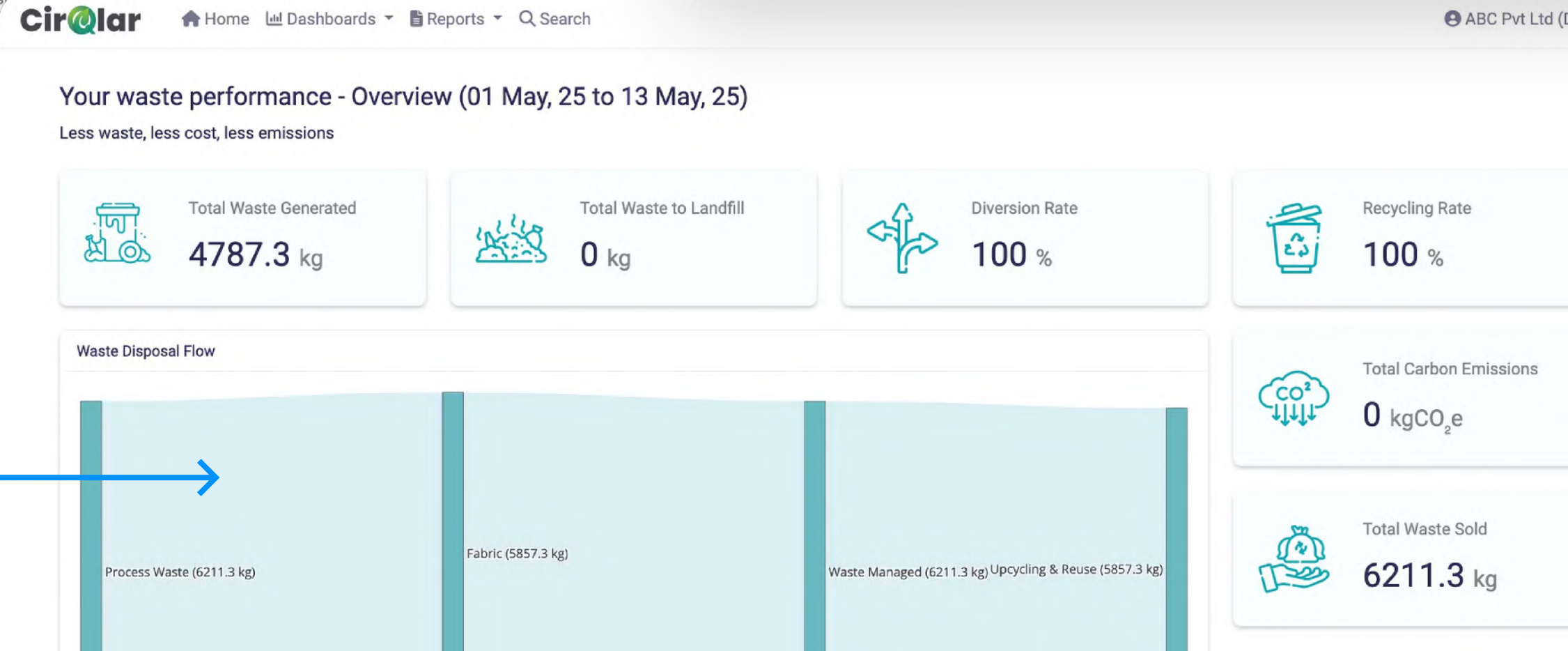
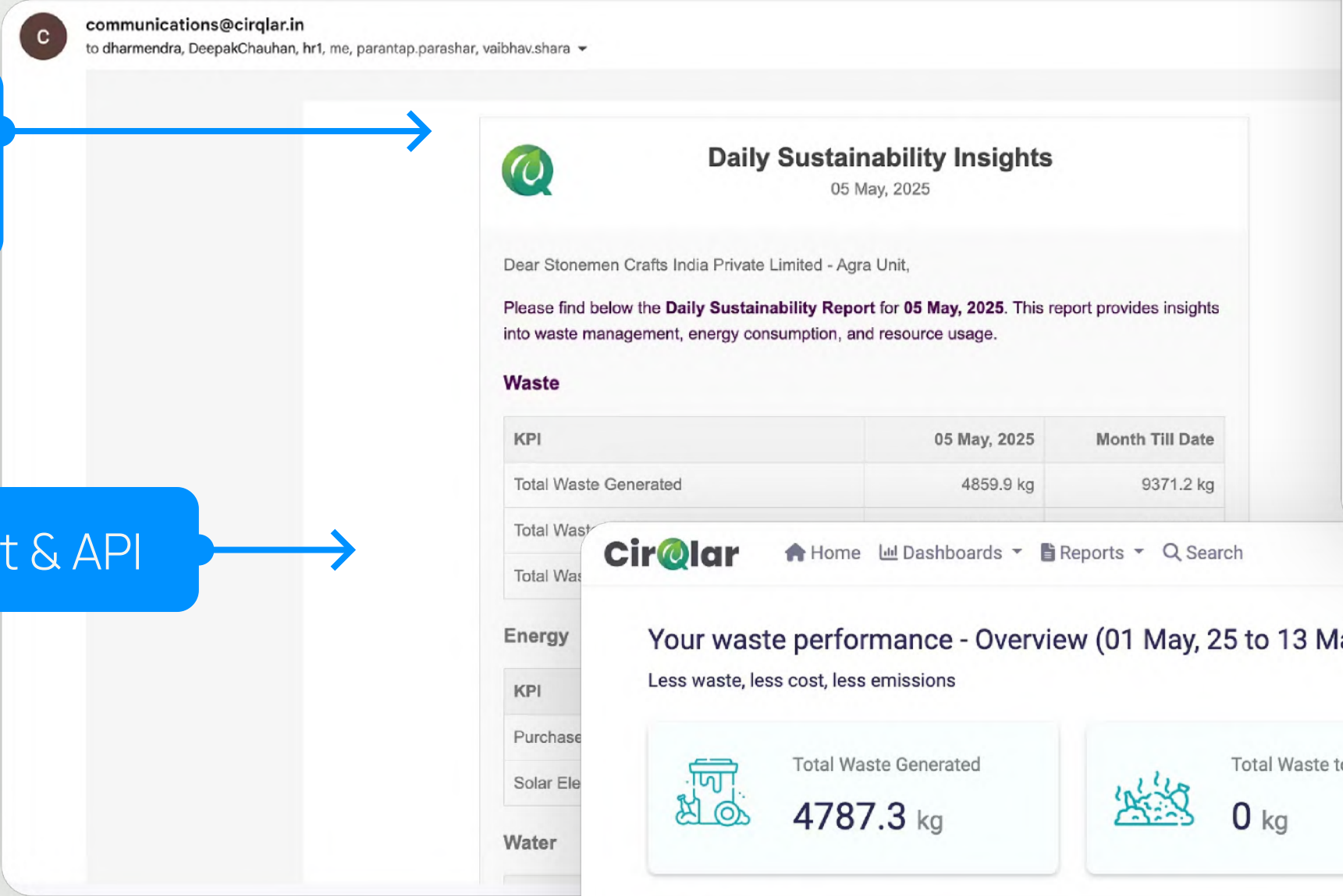
From live data to bold insights—**see, compare, and export your sustainability performance in seconds.**



Automated Reports in your Inbox

Easy Data Export & API

KPI Monitoring & Insights





Audit module

Centralize every document, checkpoint, and corrective action in one place—**streamlining internal and external audits** from evidence collection to final sign-off.

Instant Audit Reports

Configurable Checklist Templates

Audit Form Template

ID	Name	Status	Version	Created By	Last Updated At	Actions
110	Image final Form	Published	1.1	vopI Admin	06 May 2025 - 12:36	
106	Image Form	Published	1.1	vopI Admin	05 May 2025 - 12:16	
96	Final drafted Form	Published	NA	vopI Admin	02 May 2025 - 04:3	
95	Final File Form-222	Published	1.1	vopI Admin	02 May 2025 - 04:2	
93	Drafted Form	Published	NA	vopI Admin	02 May 2025 - 04:2	
94	Drafted Form	Published	1.1	vopI Admin	02 May 2025 - 04:2	
92	Required Form	Published	1.1	vopI Admin	02 May 2025 - 03:16	
91	Final File Form-222	Published	1.1	vopI Admin	02 May 2025 - 03:0	
90	Final File Form-222	Draft	NA	vopI Admin	02 May 2025 - 03:0	
89	Final Form-2	Published	NA	vopI Admin	02 May 2025 - 03:0	

Create

Add Audit Form Template

Select Auditors

Select Auditee

Add Element

Label/Heading

Form Input

Select Input

Multi Select Input

Datetime Input

File Input

Space

Form Detail - Audit Form

What kind of consumptions do you use?

Select Input

electricity, solar, water

Do you recycle your waste?

Select Input

Yes

Please write some description of the uses of recycling methods.



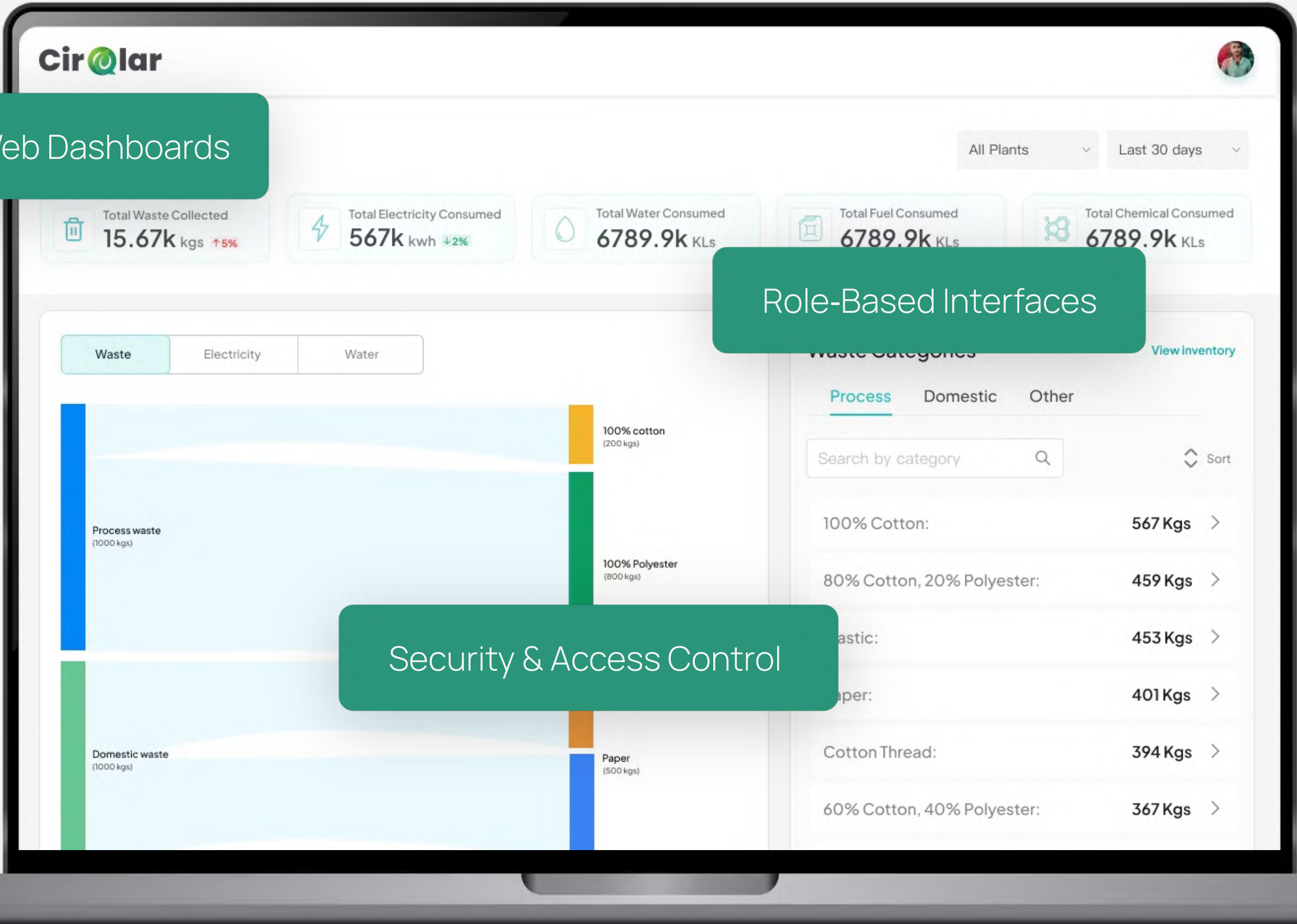
Ease of use

Intuitive Web Dashboards

Role-Based Interfaces

Security & Access Control

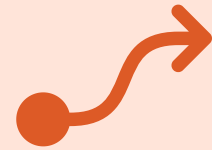
Mobile App for Ground Teams





Miscellaneous Features

Order to Waste
Mapping



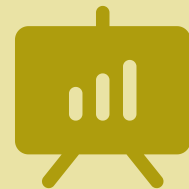
QR Based Package
Tracking



Integrated with
Stitch

STITCH

Theoretical vs
Actual Waste
Comparison



Logbook digitization-
DG, washing





Measure

Manage

Connect*

Report

Problem

Solution

Features

Benefits

Track

Waste Tracking Platform

Resource Consumption Tracking Platform

Emission Tracking Platform

- QR Code based waste tracking
- Instant mapping with Orders
- Theoretical & Actual Waste Comparison
- Energy, Water & Chemical consmption Tracking
- Waste Water Tracking
- Fuel Tracking

- End-to-End Sustainability Management
- Future-Proof Your Business with Sustainable Practices
- Scope 1, 2 Emissions Tracking in One Place
- Sustainability and Brand Image

Reuse, Recycle and Reduce

Waste Inventory Management

Disposal Management

- Waste Inventory Management
- Manage Hazardous Waste Disposal
- Compliances and Documentation Management

- Improve Profit Margins through Waste Optimization
- Verified Disposal certificates

Recycling Network

Recycling Marketplace

- Connect with Recylers
- Connect with Disposers
- Sales Order Management
- Challan Management

- Connect with network of Recyclers
- Connect with network of Disposers
- Traceability of recycled & disposed items
- Circular Economy Support

Reporting data

Reporting Platform

- Brand Specific Reporting
- Compliance Reporting

- Regulatory Compliance and Reporting Made Easy
- Boost Brand Transparency and Buyer Confidence
- Data-Driven Decision Making

*Upcoming Features



Cirqlar Impact

Comprehensive Waste Management

Comprehensive waste tracking meticulously monitors waste at all production stages, detailing types, amounts, and origins. This provides deep insights into inefficiencies, enabling focused strategies for waste reduction, resource optimization, and continuous process improvement.

1% Waste Reduction

Transparent Brand Relationships

By fostering transparency in your carbon data, you build stronger, more trustworthy relationships with brands, leading to increased business opportunities and long-term partnerships.

0.01% Improved Business

Carbon Footprint Tracking

By tracking your carbon footprint, you gain valuable insights that enable targeted actions to reduce emissions, driving sustainability and meeting regulatory goals.

5% Emissions Reduction

Resource Efficiency

Resource optimization involves tracking the consumption of water, energy, fuel, and chemicals at a granular level. This deep insight helps identify inefficiencies, allowing you to implement targeted strategies that reduce consumption and improve overall resource efficiency.

1% Resource Efficiency

Recycling Partnerships

Establish connections with certified recyclers, ensuring a significant percentage of waste is recycled, contributing to a circular economy.



Cirqlar in Action

Implementation Partners



S T O N E M E N



Knowledge Partners





Quick & Easy to implement

SaaS-Based Solution

Cost-Effective

Platform Fee - One Time

Scalable

No Additional Hardware or
Infrastructure Costs

Hassle-Free

Subscription Fee -
Monthly/Yearly

No Hidden Cost





Connect with us

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