



Rethinking Waste. Recovering Resources: Enabling Sustainable Cities Through an Integrated Circular Supply Chain

Networks and Recognitions:



About Rekosistem

Rekosistem is the fastest growing waste management and circular economy tech-company in Indonesia.



90.000+
Registered
Individuals

>150 Million
kg of waste
managed

8K+
Waste Workers are
Empowered within
our Waste
Ecosystem

200+
Customers

Towards a sustainable ecosystem



**Material Recovery
Facilities
(Reko Hub)**



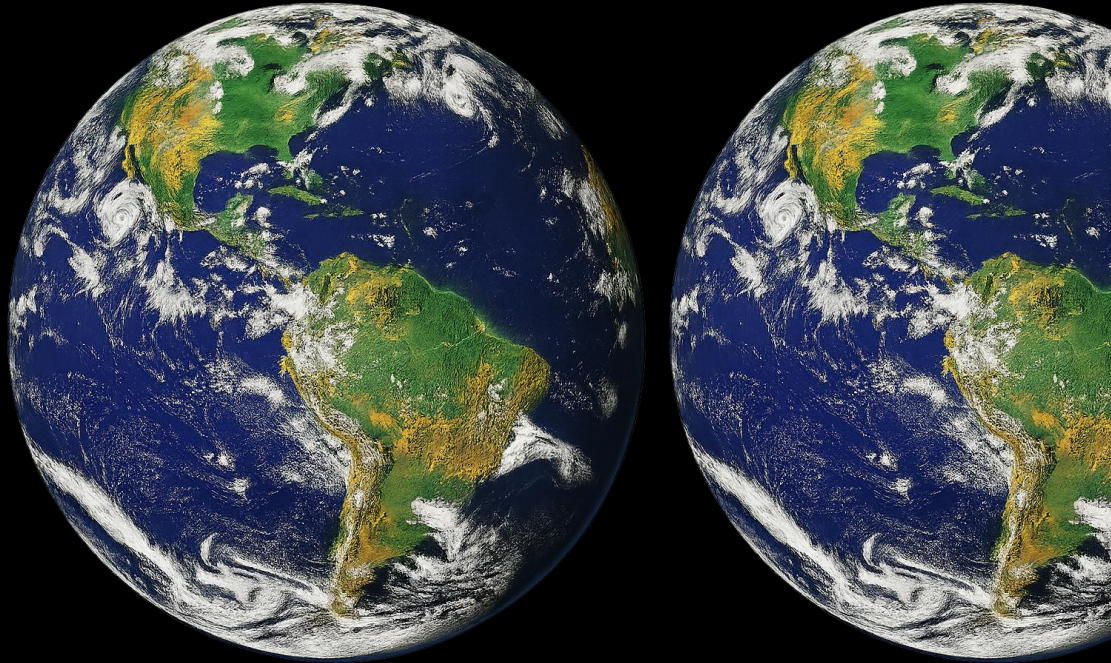
**Circular Economy
Platform
(Reko Apps and ERP)**



**Collection Station
(Reko Waste Station)**



**Waste Management
(Reko Pick-Up)**



*Source : overshootday.org, 2025

Consumptive behavior is inevitable.


“We are consuming resources faster than the Earth can restore them.”

We need

1.78 EARTHs

To fulfill our **consumptive behavior.**

*Based on Earth Overshoot Day 2025 that fell on 24 July 2025.



Waste as threat VS Waste as resources

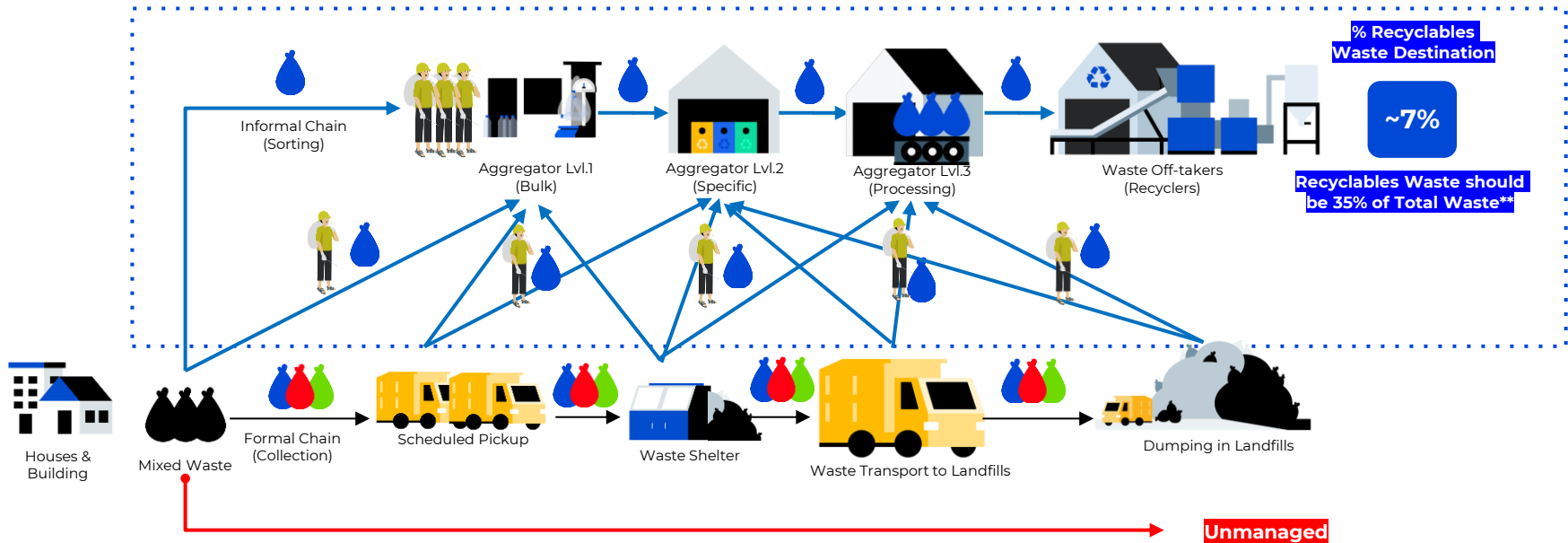




**Waste is a
By-product of
production and
consumption in society.**

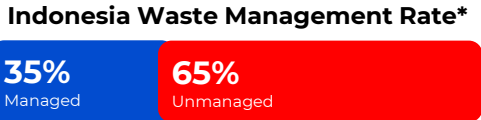
As the fourth most populous country in the world with a fast-growing economy, Indonesia will inevitably face a surge in waste generation. The real question is not whether waste will exist, but how we choose to see it: as a threat, or as an opportunity to create value.

Existing Waste Value Chain in Indonesia

Fragmented value chain, **sorting and recovery activities** done by **informal workers without a proper system and disintegrated with formal chain** which has led to suboptimal results.



 Inorganic, Residue, Organic
 Inorganic (Recyclables)

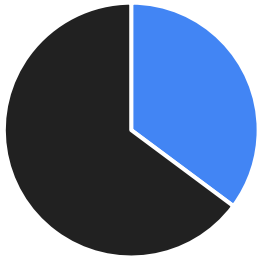


*Source: SIPSN 2026
**Source: Rekosistem 2026

Waste Processing Method and Composition of Waste

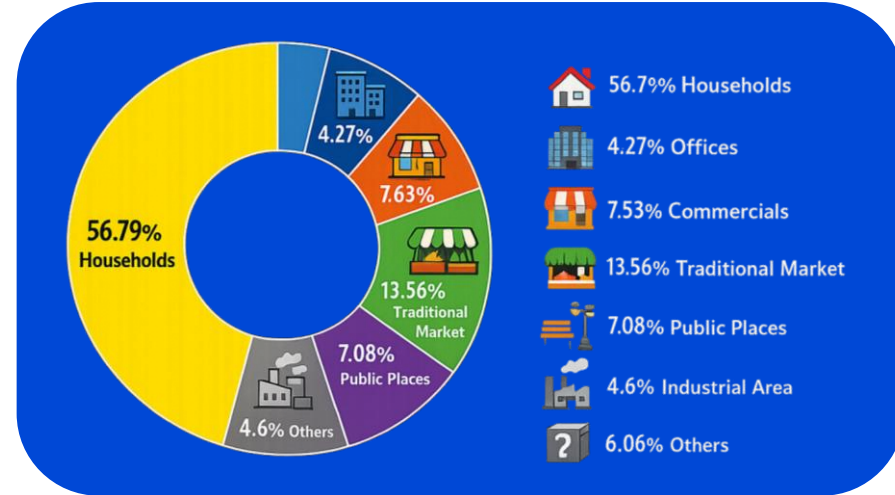
Across **514 cities and regencies** in Indonesia, only two cities have waste-to-energy facilities (city scale capacity), and even these facilities cannot fully process the waste generated across their cities.

About **35% of waste is managed*** through sanitary landfills, while the rest is still disposed of through open dumping.



- Sanitary Landfills
- Open Dumping Landfills

Around **half of all waste originates from households***, making household-level waste sorting a critical step in improving the overall waste management system.



*Source: SIPSN 2026

Waste Sorting Habits and Material Recovery Capacity



Waste is still mixed at the sources, as only

16%

of residents sort their waste at home.*

Insufficient

Waste to Material Recovery Facilities (MRF), not all sub-district have an MRF and not all neighborhoods have recycling station.

Only **11.5%**

of MRFs with proper building in the capital city.**

*Source: GoodStats ID 2026

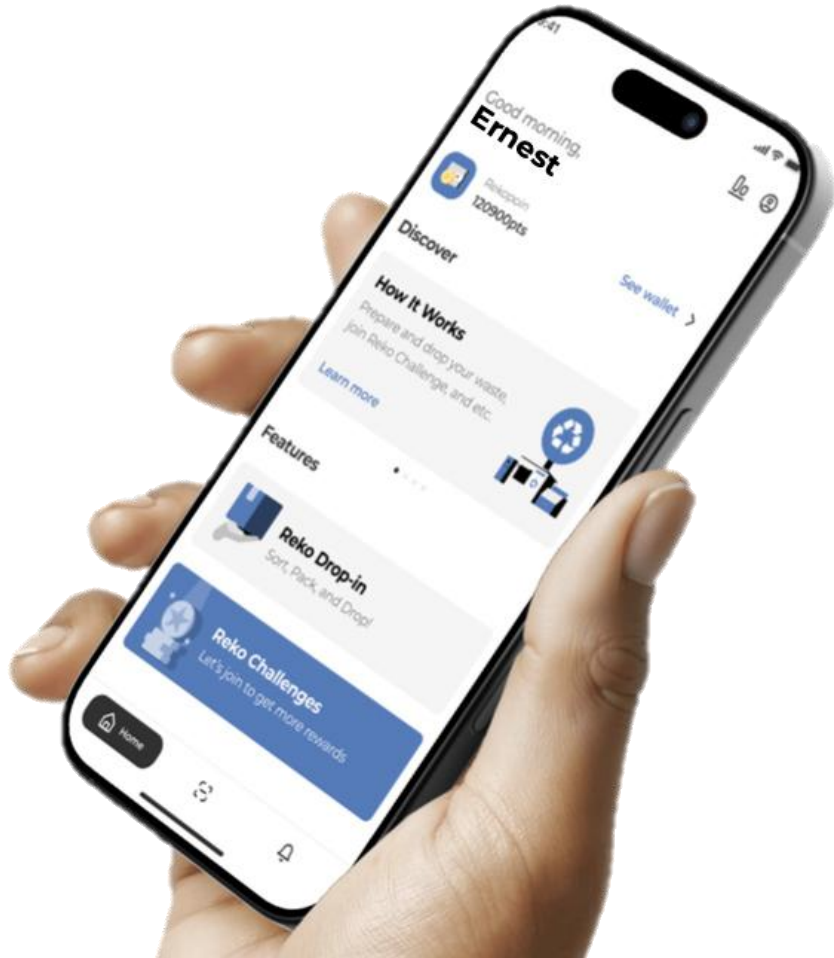
**Source: Jakarta Environmental Agency 2024

At Rekosistem, we believe in new approach, **urban mining and a circular economy model** to recover waste as valuable resources and turn them into sustainable supply chains.

Each year in Indonesia, over **USD 8.8 billion** worth of valuable waste ends up in landfills or pollutes the environment, It's huge business untapped business opportunities.



*Only 11.15% of Jakarta's waste recovery sites are properly operated and the situation is likely worse in other cities.





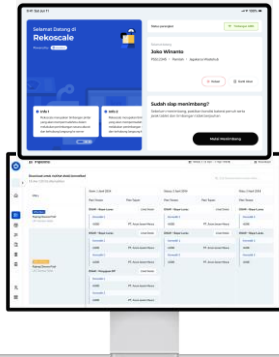
(Material Recovery Facility) MRF as Product

Rekosistem's Waste Recovery Facility Models

Rekosistem operates **three (3) types** of waste recovery facilities, designed to be established at scale to address the existing gap in waste management infrastructure in Indonesia.

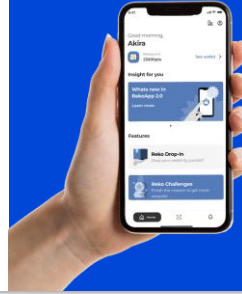
reko Hub

Technology-enabled waste recovery facilities that rapidly scale processing capacity and transform waste into valuable resources, tailored to the needs of industrial off-takers. Implemented through upgrading existing waste shelters and developing new facilities.



Waste Station

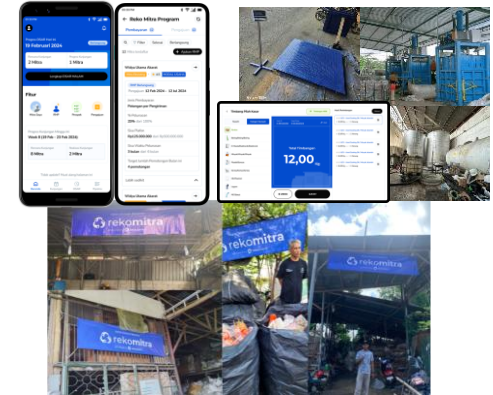
EPR* Program-funded public recycling stations that encourage households to sort waste at source by offering incentives and rewards.



rekomitra

powered by rekosistem

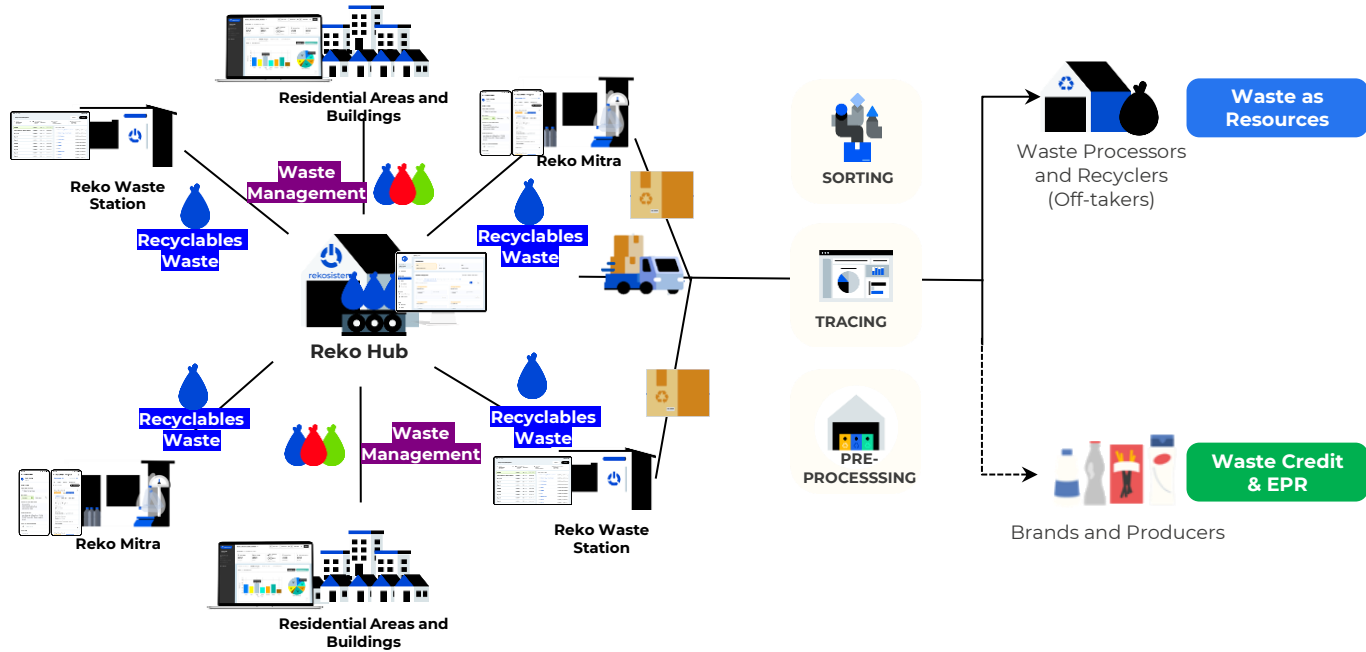
Transforming local waste aggregators into proper recovery facility partners by providing access to capital, machinery, standardized management systems, and a broader portfolio of high-value recyclable materials.



*EPR (Extended Producer Responsibility) is a policy approach where producers are held responsible for the entire lifecycle of the products they put on the market, especially for the take-back, recycling, and final disposal of those products once they become waste.

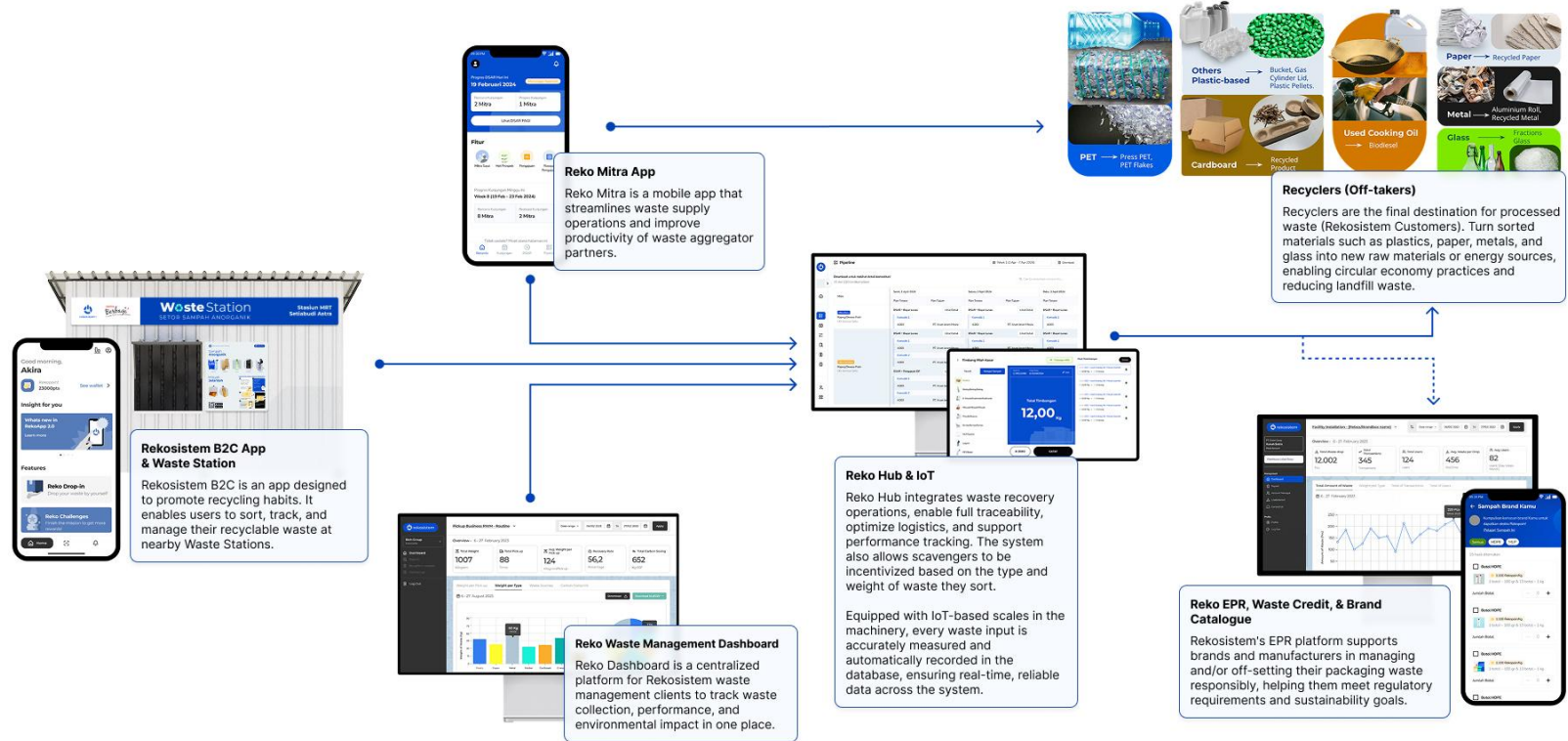
Rekosistem's Operations Model

Rekosistem operates one of **the most productive** waste collection and resource recovery systems. By leveraging a **hub-and-spoke model**, we enable high-density collection routes and optimize recovery across hubs and partners—enhancing efficiency while ensuring a stable supply to off-takers.



Rekosistem's Digital Products and Features

Rekosistem leverages technology to enable collaboration across stakeholders, operating through a light-asset and scalable model, while generating value from every unit of waste tracked through EPR.



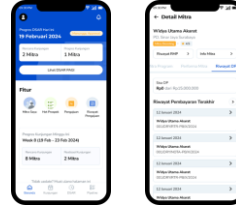
Traceability Metrics

These traceability metrics ensure transparency, auditability, and measurable impact—critical for ESG compliance, EPR reporting, and ecosystem integrity.



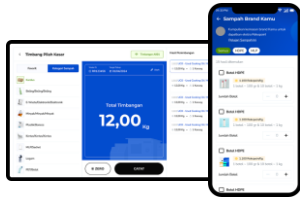
Material Flow Tracking

- Volume and type of waste collected (e.g., plastic, paper, metal)
- Source of waste (location, supplier, partner aggregator)
- Destination of processed waste (e.g., recycler, buyer, end-use application)



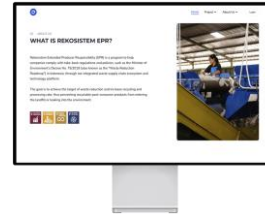
Transaction-Based Recording

- Digital documentation of each transaction via the Reko Mitra App
- Timestamp, price, volume, and type of waste for every material sold or transferred



SKU-Level Data

- Categorization and classification of waste at the SKU (Stock Keeping Unit) level
- Identification of brand and product type when available, supporting branded waste accountability under EPR



Verified Impact Reporting

- Quantified plastic recovery contributions attributed to producers (for EPR offsets)
- Audit trail of recovered materials linked to specific recovery initiatives or campaigns



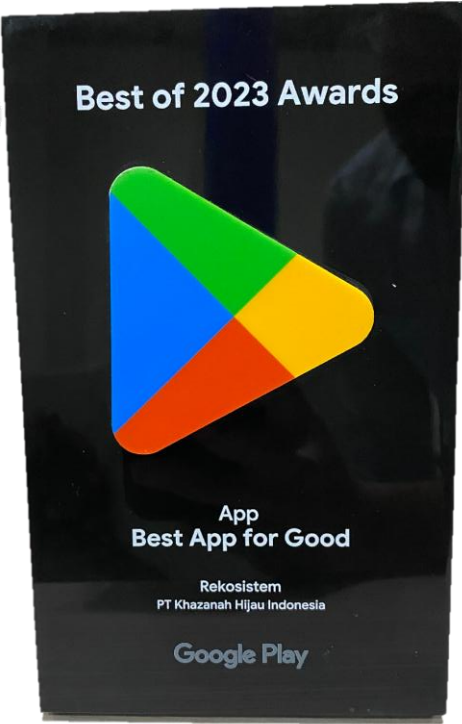
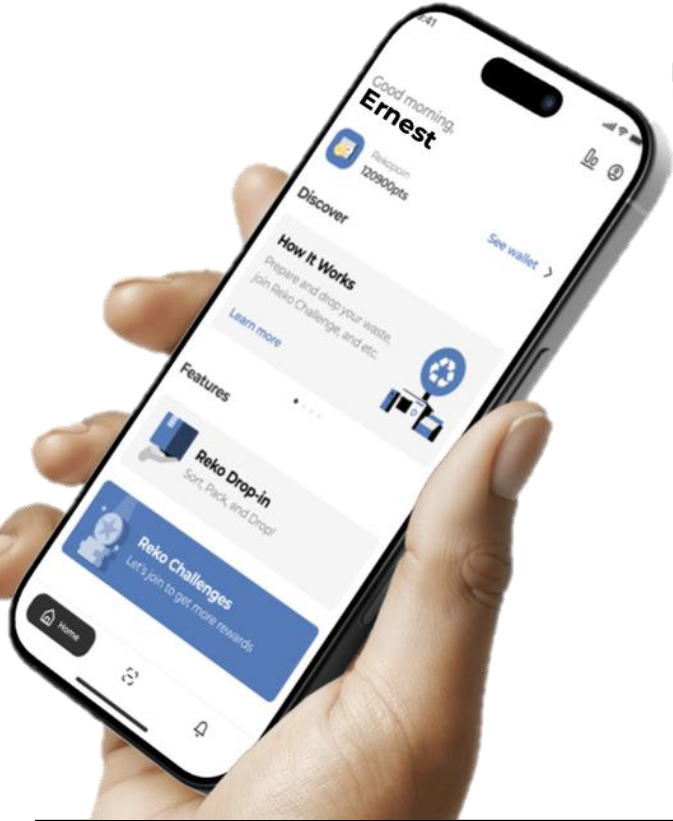
Location-Based Tracking

- GPS coordinates of Reko Hub facilities and partner aggregators
- Regional mapping of waste flows and aggregation points



Environmental Output Metrics

- Reduction of plastic leakage estimates
- Carbon reduction equivalents (if integrated with GHG calculator)
- Recycling or reuse rate by material category



RECOVERING WASTE AS VALUE

A large pile of garbage, including plastic bottles, bags, and other debris, is shown in the foreground. In the background, a red truck is partially visible, suggesting a waste management or recycling facility. The sky is a clear, light blue.

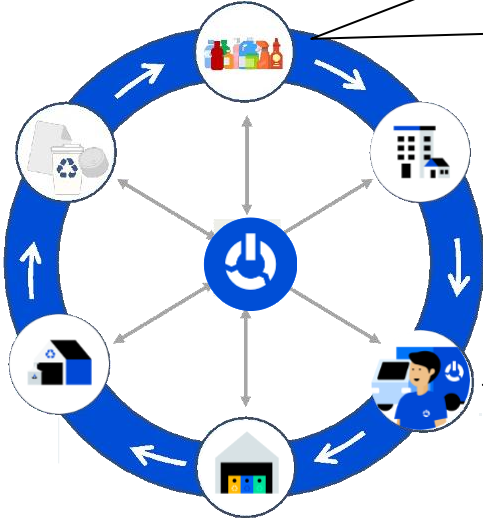
Rekosistem's Business Model

Rekosistem business model derives from **three values** generated from waste:

The Value of Resources

Customer: Waste Recyclers

Waste Processing for Recyclables



The Value of Impact

Customers: Brands and Company's with ESG Target

Waste Reporting **EPR & Plastic Credit** **Waste Station Support**

Plastic Credits, Sustainability Project, and EPR

The Value of Service

Customer: Building and Townships

Waste Pickup & Collection **Waste Processing**

Waste Management Services

The Value of Resources

Rekosistem partners with off-takers to supply recyclable and processable waste, ensuring mutual value creation through long-term, sustainable collaboration. Below are examples of how each type of waste is processed into valuable resources:



PET → rPET

This block shows the recycling of PET. The top image shows a large blue PET bottle being crushed. The middle image shows a large pile of crushed PET bottles. The bottom image shows a large pile of clear PET flakes.



Others Plastic-based → Bucket, Gas Cylinder Lid, Plastic Pellets.



Cardboard → Recycled Product

This block shows the recycling of plastic-based and cardboard waste. The top image shows various plastic items like a white bucket, a gas cylinder lid, and a clear plastic bag, next to a pile of green plastic pellets. The bottom image shows a cardboard box and a recycled cardboard product.



Used Cooking Oil → Biodiesel

This block shows the recycling of used cooking oil. The top image shows a hand pouring oil from a white jug into a metal strainer. The bottom image shows a hand pouring oil from a yellow fuel nozzle into a metal container.



Paper → Recycled Paper



Metal → Aluminium Roll, Recycled Metal



Glass → Fractions Glass

This block shows the recycling of paper, metal, and glass. The top image shows a stack of crumpled paper and a roll of recycled paper. The middle image shows a pile of metal scrap and a roll of aluminium. The bottom image shows a pile of glass bottles and a pile of glass fractions.



Maggots, Fertilizer & Renewable Energy



RDF as Alternative Fuel

This block shows the final products of waste recycling. The top image shows a pile of dark soil with small white maggots. The middle image shows a pile of brown fertilizer. The bottom image shows a hand holding a dark, crumbly material labeled as RDF (Refuse Derived Fuel).

The Value of Impact

Rekosistem partners with brands to establish waste collection stations and recovery programs through Reko Mitra, enabling the collection and recycling of their products and packaging while offsetting their waste footprint. Rekosistem is the largest EPR platform in Indonesia.



WasteStation - Electronic City



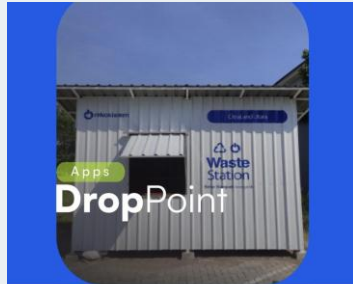
WasteStation - blu Dukuh Atas



WasteStation - KBP



WasteStation - Radial Road



WasteStation - CLUE Green Hill



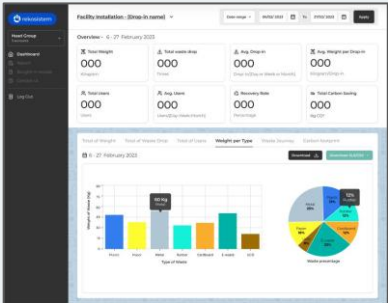
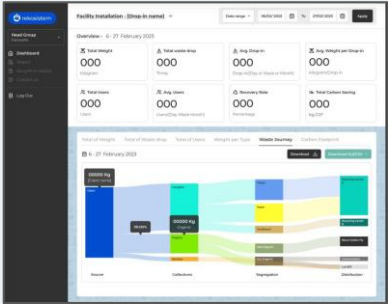
WasteStation - Ajinomoto

And many more!



The Value of Service

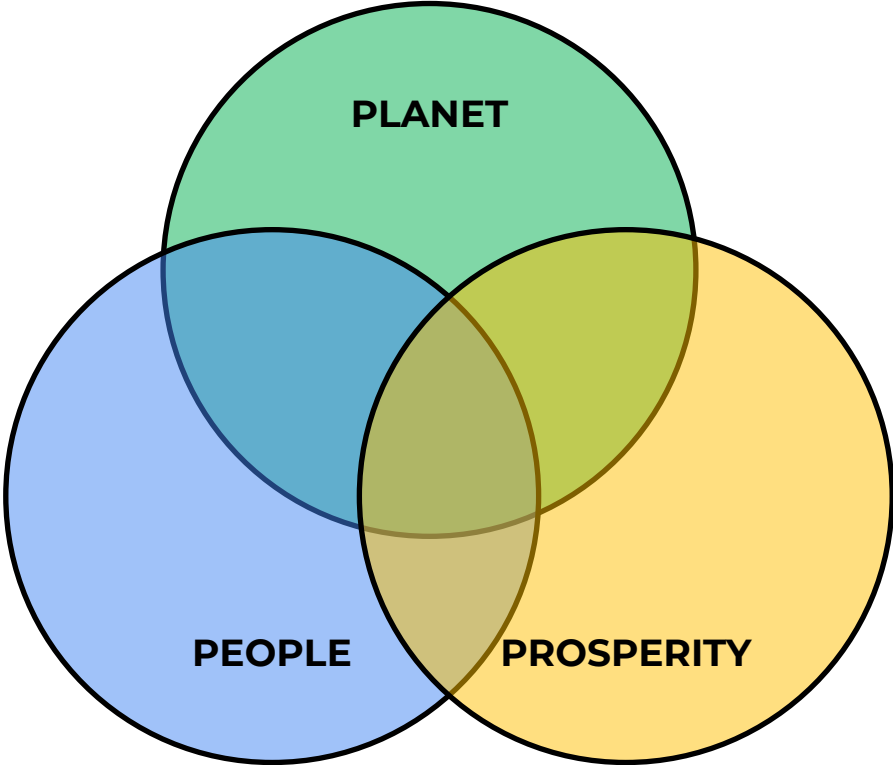
Rekosistem provide responsible and zero waste management services to township, commercial, and public spaces to manage their waste responsibly.



Rekosistem partners with **400+ Month Active Waste Aggregators (Reko Mitra)** from **126 cities-regencies**, operates **50+ waste stations and boxes** and **21 Reko Hubs** by ourselves in **21 cities-regencies**, and has reduced **150k+** Tonnes of CO2 emission (To-date March'26).

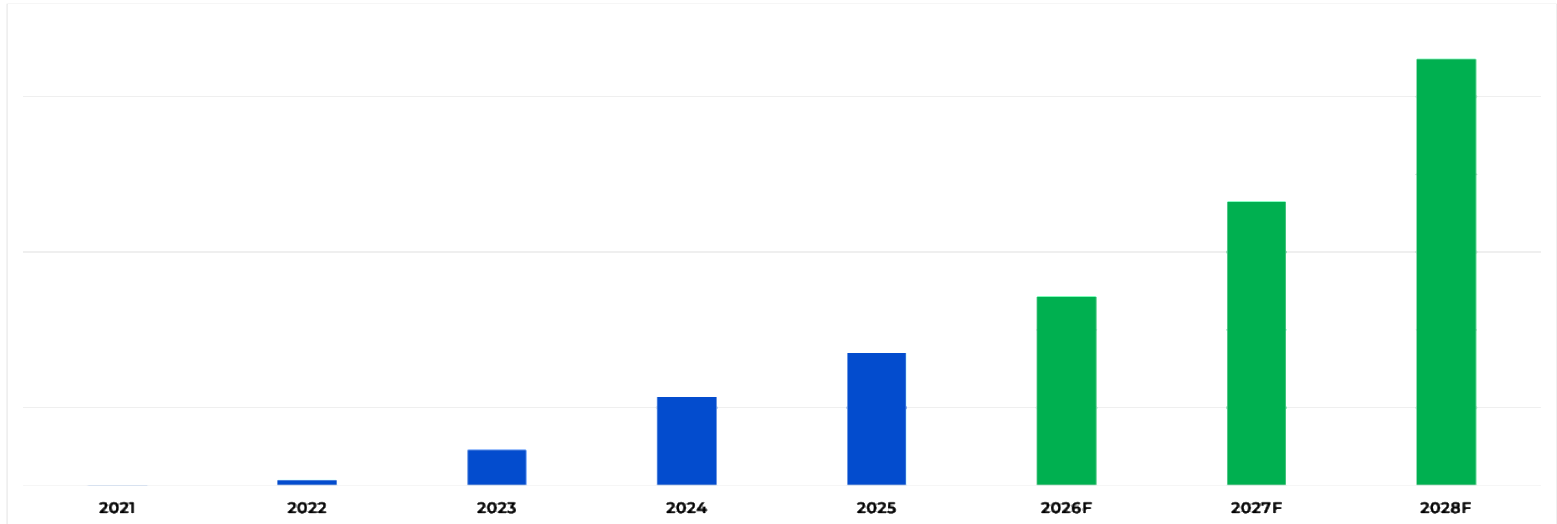


Rekosistem's Triple Bottom Line



Prosperity (Economic Metric)

Rekosistem has achieved strong business growth, delivering **a 293% revenue CAGR** from its launch in 2021 through FY2025, and we expect to sustain this momentum going forward. We have also achieved a positive contribution margin while continuously improving margin productivity over time.



Net-Investment Raised
To-Date **USD 11.2 Million**



East Ventures



K3 VENTURES

Provident growth



ARKANA



LUX ALVEST



SKYSTAR
CAPITAL

AppWorks



BALL
INVESTMENT
CLUB

Michael Sampoerna's Office



inbogen
CAPITAL




X
A
NETWORK

Planet (Environment) and People (Social) Metrics

Planet



150k+
Metric Tons of Waste
Managed Properly



150k+
Metric Tons Reduction of
GHG emissions



>50%
Of Recyclable and
Processable Waste




People



200+
Of Customers
90,000
Registered Individuals



8,000+
Numbers of waste
workers impacted
(directly and indirectly)



40Mn+
Total value circulated in
the waste value chain
since 2021 (in USD)



Impact in Action: Stories from Our Mitras and Workers



Ibu Ning,
Head of Production at Reko Hub

"Sebelum dengan Rekosistem kebetulan saya bergerak di bidang yang sama, setelah bergabung Rekosistem saya lebih berkembang lagi karna secara manajemen lebih terstruktur. Saya merasakan banyak manfaat, secara lebih baik dan saya mendapatkan pelajaran mengenai pentingnya keselamatan dan kenyamanan ketika bekerja. Saya seorang single parent dan pendapatan dari Rekosistem sangat mencukupi kebutuhan saya pribadi dan anak-anak saya. Saya bisa menyekolahkan 3 orang anak saya. Jujur ketika saya bergabung dengan Rekosistem saya merasa bahwa pekerjaan ini adalah pekerjaan yang menjanjikan bagi karir saya dan bagi lingkungan sekitar saya. Saya merasa percaya diri dan mandiri ketika bergabung dengan Rekosistem."

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"Before joining Rekosistem, I was already working in a similar field. After joining Rekosistem, I've grown even more because the management is more structured. I've experienced many benefits, and I've learned the importance of safety and comfort in the workplace. As a single parent, the income I earn from Rekosistem is more than enough to support both myself and my children. I'm able to send all three of my children to school. Honestly, since joining Rekosistem, I feel that this job offers real potential—not just for my career, but also for the well-being of my community. I feel confident and independent since becoming part of Rekosistem."

(Semarang, June 2025)

"Saya sudah bergabung dengan Rekosistem selama 2 tahun. Setelah bergabung dengan Rekosistem sedikit banyaknya membantu keluarga kecil saya. Pendapatan dari Rekosistem bisa untuk kebutuhan keluarga dan uang saku anak saya. Saya belajar di Rekosistem barang dari plastic dan diajarkan juga kalau ketika ada kebakaran dan cara mematikan api. Harapan dan doa saya untuk ke depannya Rekosistem bisa lebih maju lebih baik lagi dan untuk semua karyawan bisa bekerja dengan baik."

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"I've been with Rekosistem for 2 years. Since joining, Rekosistem has helped support my small family in many ways. The income I earn is enough to cover our household needs and my child's daily allowance. At Rekosistem, I've learned about different types of plastic materials, and I've also been taught what to do in case of a fire and how to extinguish it. My hope and prayer is that Rekosistem will continue to grow and improve, and that all employees can keep working well together."

(Surabaya, June 2025)



Ibu Sri,
Waste Segregator at Reko Hub

Impact in Action: Stories from Our Mitras and Workers



Pak Rio,
Member of Reko Mitra

“Sebelum saya bergabung dengan Rekosistem saya memakai modal sendiri dan ketika saya ditawarkan dengan berbagai program dari Rekosistem yang saya nilai sangat membantu dan meringankan beban saya sehingga saya tertarik dengan program yang diberikan Rekosistem. Perubahan yang sangat terasa terutama dari segi produksi yang sebelumnya saya 10 ton bisa ke minimal 20 ton sebulan dan saya disini juga bisa menggerakkan nilai ekonomi daerah dimana saya bisa membuka lapangan kerja dan mengurangi pengangguran di lingkungan sekitar.”

Peran dari Reko ke lapak itu tidak hanya serta merta mereka mencari barang saja tapi dengan beberapa pendekatan seperti program pelatihan karyawan lapak itu menumbuhkan rasa kesadaran dalam mengelola sampah.

Harapan saya Rekosistem masih bisa kebersamai lapak di bawah sehingga kita bisa menyerap banyak sampah di lingkungan sekitar sehingga tidak hanya mengumpulkan saja tapi bisa membuka lapangan pekerjaan juga. Dengan Rekosistem saya rasa tidak hanya satu masalah saja melainkan banyak masalah dapat teratasi.”

(Semarang, Juni 2025)

“Before joining Rekosistem, I used my own capital. When I was introduced to various programs offered by Rekosistem, I found them to be very helpful and relieving, which made me interested in participating. One of the most significant changes I’ve experienced is in production, previously I could only process 10 tons, now I can reach a minimum of 20 tons per month. I’ve also been able to drive the local economy by creating job opportunities and reducing unemployment in my community.”

Rekosistem's role in supporting waste aggregators (lapak) goes beyond just buying materials, they also provide capacity-building programs for workers, which foster a greater awareness and sense of responsibility in waste management.

My hope is that Rekosistem will continue to support grassroots aggregators like us, so we can absorb more waste from our surroundings. This way, we're not just collecting waste but we're also creating jobs. I believe Rekosistem is helping solve not just one problem, but many.”

(Semarang, June 2025)

OTHER CAMPAIGNS

A Few of Our Successful Campaigns

(Click Thumbnail To Watch)



Mata Najwa X Rekosistem



Reko Operator



BuleSampah X Rekosistem



REKOMPOS



Rekosistem X BxB



Rekosistem X JxB



Andien X Rekosistem



Kopi Kenangan X Rekosistem



PestaPora X Rekosistem



#WasteToEWallet



Reko Clean Up on FIFA U-17



Rekosistem @ WE THE FEST

Rekosistem Spogomi/Plogging with Local Community

Spogomi (Abbreviation of “Sport” and “Gomi”; means “Trash Sport” in Japanese), an innovative activity that combines environmental action with fun competition. Participants form teams and compete to collect most trash from public spaces like parks, beaches, or streets.

The goal is to clean up the area while turning the segregation process into a fun sport activity. Teams will be awarded points based on the amount and type of waste collected, with certain materials like plastic and metal earning more points. The event promotes environmental awareness and encourages communities to work together for a cleaner, healthier planet while making trash-picking exciting and rewarding.

Rekosistem is the official appointed partner and organizer (license holder) of Spogomi in Indonesia.



See Our Past Clean-up Projects Here

Click the thumbnail to watch the recap!



**Jogja Cultural Wellness Festival
with Gusti Bendara
Impact: 1,000 KG**



**Beach Clean-up at
Labuan Bajo Coasts
Impact: 1,000 KG**



**Waste Clean-up at FIFA
World Cup Qualifiers
Impact: 3,000 KG**



**Plogging with Garmin
and Abnon Jakarta
Impact: 375 KG**



**Spogomi with
Marubeni & AEON
Impact: 380 KG**

Now the choice is yours,

Will we let waste management remain fragmented and inefficient, or will we seize this opportunity to build a scalable, impactful, and investable waste ecosystem together?



OR





Towards
a sustainable
ecosystem

Let's partner with Rekosistem to create
a circular and sustainable future for
Indonesia and Asia.

Networks and Recognitions:

