Material Circularity Platform

COLLECT | PROCESS | RECYCLE | CLAIM | COMPLY

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www.asm-recyclx.com







RecyclX is an end to end digital traceability tool designed to help organizations operate an efficient supply chain, demonstrate claim provenance, and sustainability impact

Impact created



10 ~ 20 % Cost reduced



5 ~ 10 % Revenue improved



700 Million Kgs Material tracked

About Us

Traction



50 + Active clients



40+ Countries present



MSW, Plastic Sectors

Recycling supply chains struggle to stay profitable

Inefficiency

- Lack of supply chain visibility attracts high inventory cost
- Suboptimal segregation and route planning lead to high operating costs
- Limited market and pricing info triggers revenue loss

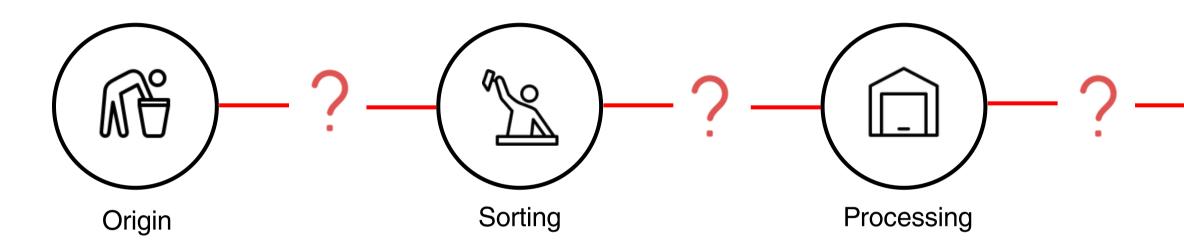
Trust deficit

- Risk of overcounting and difficulty in auditing recycling records
- Inadequate tools to demonstrate chain of custody
- No way to track material movement from collection to processing

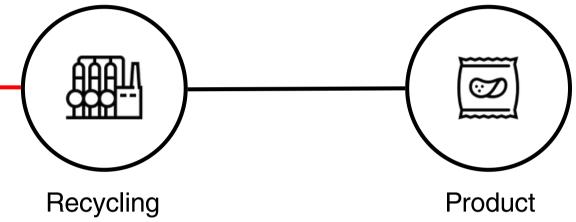
Regulatory hurdles

- Complexity of interpretation, verification, and certifications
- Compliance and paperwork entails
 a dedicated workforce
- Errors in filing or claims result in hefty penalties and reputation risk

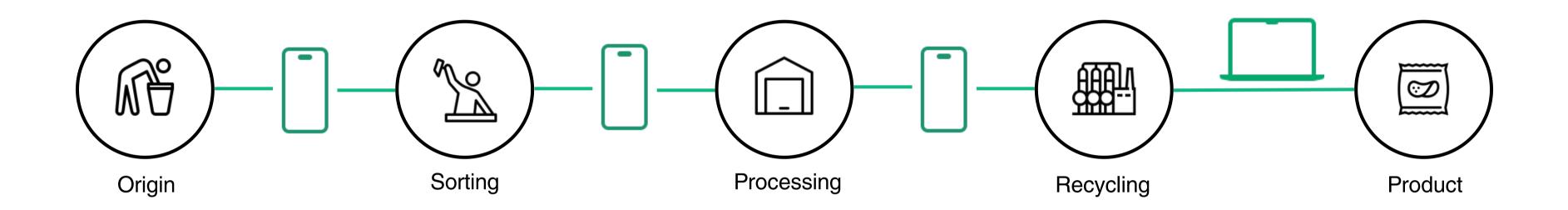
Fragile, Lacks trust & transparency







We enable Digital supply chain



Business Digitisation

- Real time business monitoring
- Inventory management
- Digital documentation

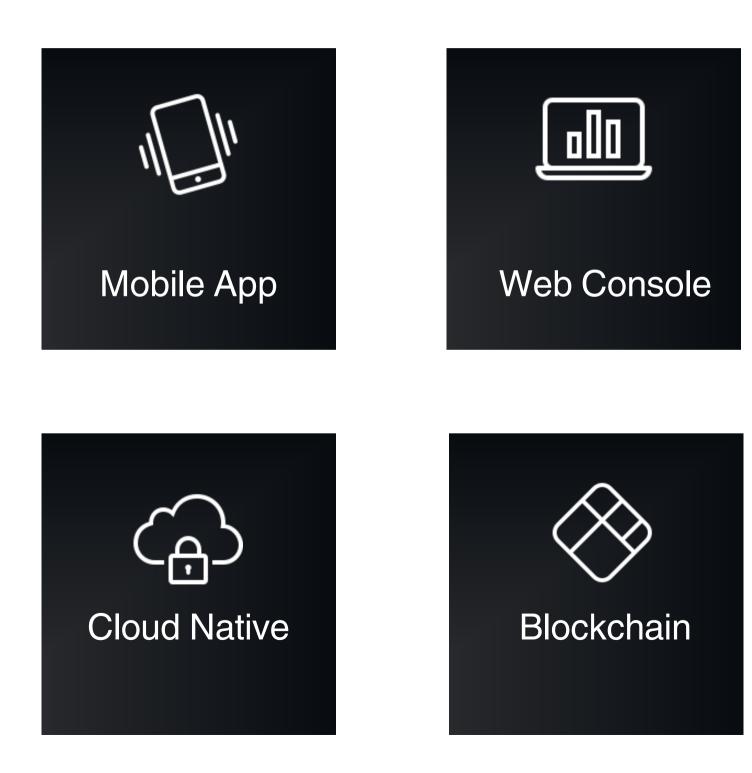
Material Traceability

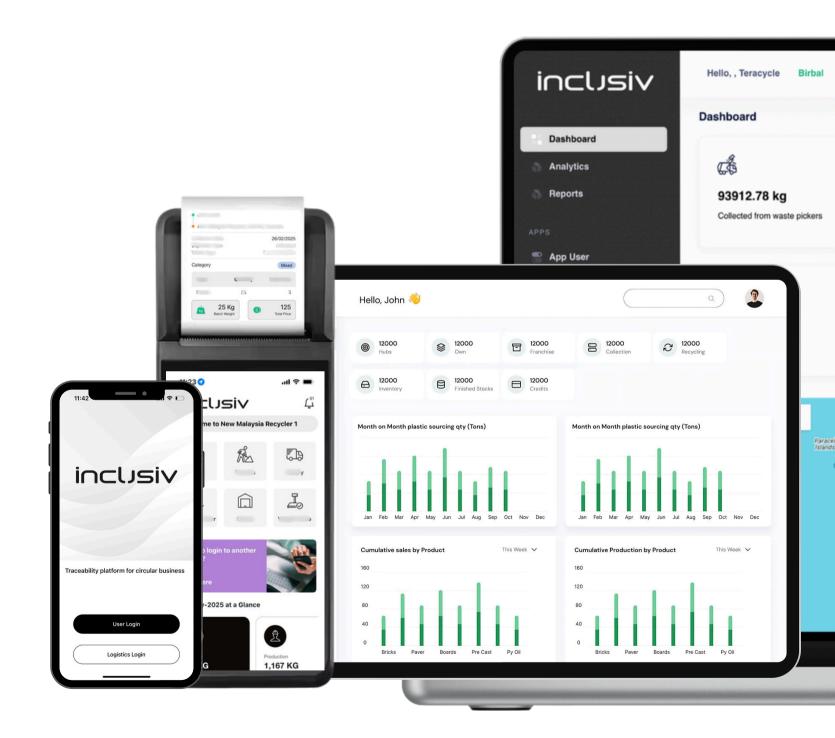
- End to end material tracking
- Digital chain of custody
- Multi factor data authentication

Unlock Monetisation

- Product premium by DPP
- EPR/ Impact credits
- Readiness for impact capital

Robust with sector specific needs



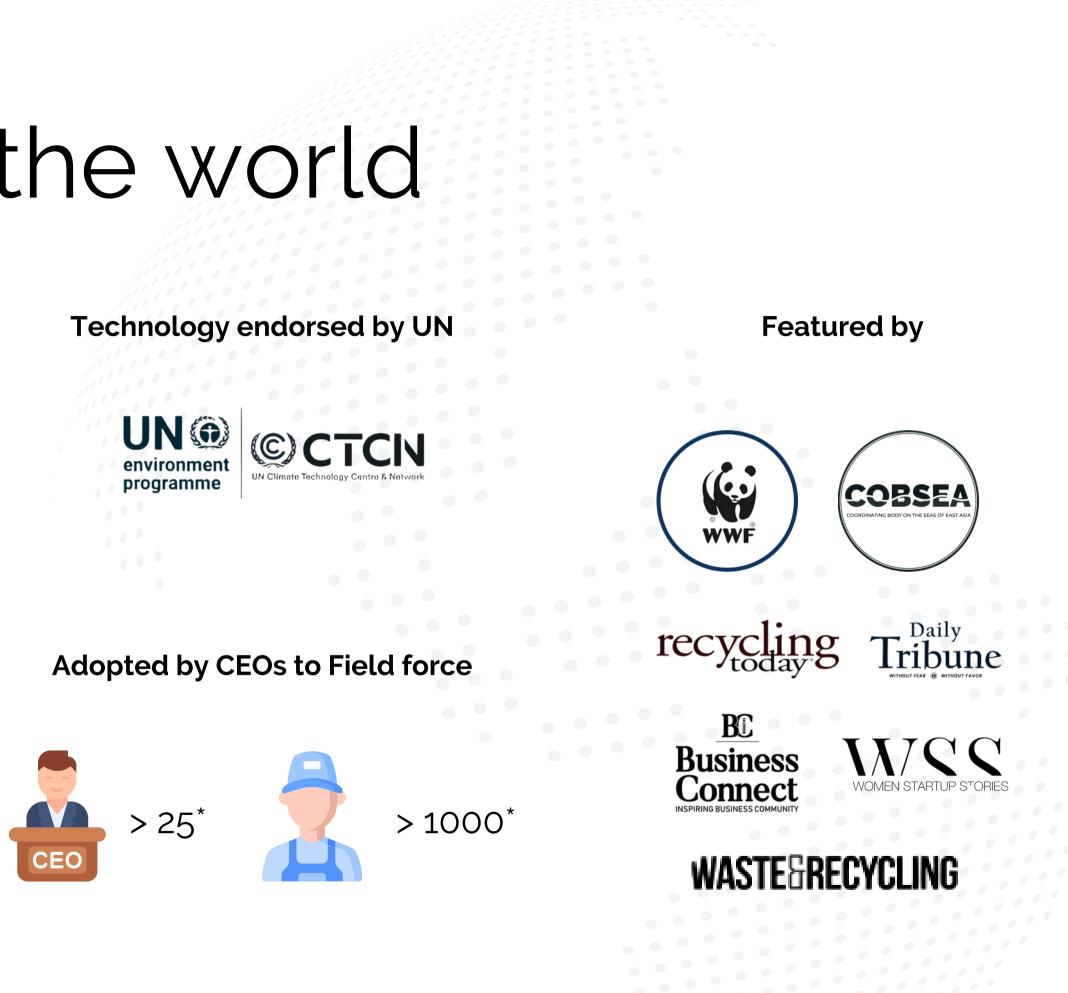


Proven across the world

Product trusted across geographies

environmen programme

Recognised at multiple forums







In 2022, Philippines adopts EPR for Plastic Waste Mgmt

ASM GLOBAL

Senator Cynthia Villar

THE EPR ACT INSTITUTIONALIZES THE EXTENDED PRODUCER RESPONSIBILITY MECHANISM AS A PRACTICAL APPROACH TO EFFICIENT WASTE MANAGEMENT, FOCUSING ON WASTE REDUCTION, RECOVERY AND RECYCLING

EPR mandates producers liable for plastic waste

Objective of RA 11898

.....or EPR Act of 2022 is to achieve plastic neutrality which is defined as "for every amount of plastic product footprint created, an equivalent amount thereof is recovered or removed from the environment by the product producers through an efficient waste management system".



Plastic Waste Recycling

Plastic packaging waste recovery and recycling accomplishments must be backed by data to ensure that the records are traceable, quantifiable and auditable

Traceable

Quantifiable

There should be a mechanism to track the origin of plastic waste to the LGU where it was generated and collected

The plastic waste collected and recovered should be quantified into Rigid and Flexible plastics for reporting

Auditable

The data for collection and recovery of plastic should be made available to auditor for compliance audit and verification

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Local Government Units

We have limited or no visibility of how a plastic waste was treated after collection in MRF or junk shop

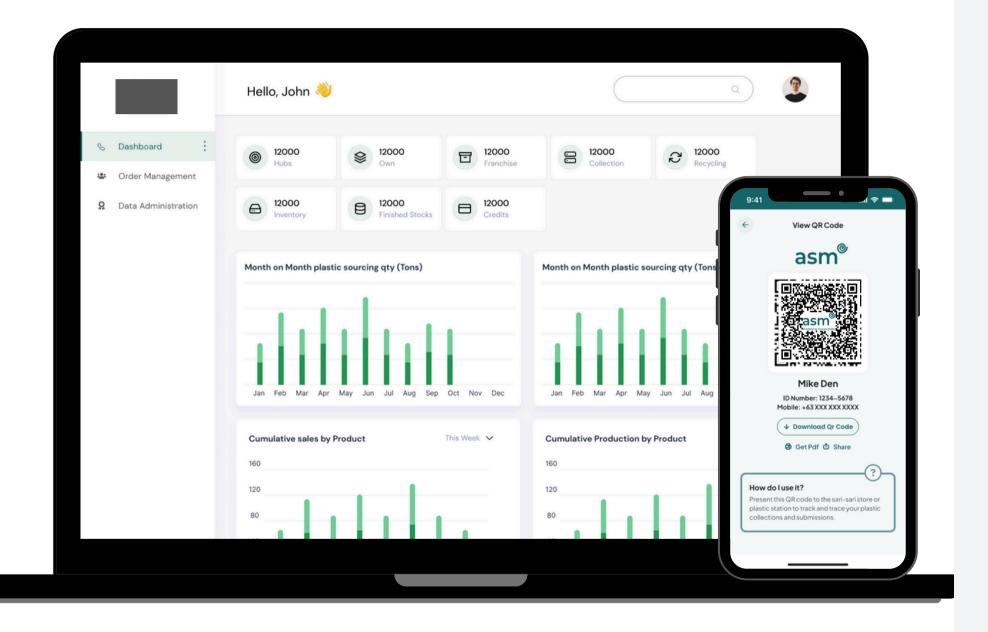
Recyclers/**Processors**

We don't know the source of the plastic waste we process, we have no information about who collected and from where

Challenge "Double counting, lack of traceability, **ASM GLOBAL**

no chain of custody"

SOLUTION



A tailored solution for the Philippines Plastic EPR regulations developed and maintained by ASM Global

EPR Management Software

Platform Features

Easy adoption, comprehensive tracking and tracing of materials, demonstrates proof of work, enables 3rd party audit and generates compliance reports



Records and stores all the plastic waste processing information using a tamper proof recording system for audits



Stakeholder registry

Creates unique digital Identity of every stakeholder enabling an end to end chain of custody of plastic waste





EPR credits management

Works on a wallet based system allowing credits to be claimed only once eliminating double counting and frauds

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Agame changer in the fight against plastic pollution

Performance monitoring

Allows municipal bodies to track the effectiveness of their EPR program and demonstrate results



Financial inclusion

Improves recycling

Improved demand supply visiblity helps recyclers access higher volume of plastic waste

- Helps equitable
- distribution of financial
- incentives through EPR
- across the value chain

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Case Study: Plaridel, 🔊 EPR Ready City

How it works

A Class 1 municipal Philippines runs a p recovery program t the schools and cor centres and city ha Collection to Recyc



Results

ality in	In 2024, Plaridel diverted
plastic	700,000+ kgs of plastic waste
through	away from nature and
ommunity	generate plastic diversion
all.	credits as per RA 11898.
cling is	These credits were bought
e platform	by OEs to offset their liablity

Program Outline

Comprehensive program to drive waste segregation, plastic collection, education, awareness using digital technology. All collected plastic recorded on the digital platform

By 2024 50+ schools and

day care centers

onboarded on the platform.

Students and teachers join

hands to collect and

segregate plastic waste



Program commencement in June 2023 with signing of MOU between the city and ASM Global





In 2024 700,000 kgs of plastic waste collected, diverted, documented and audited to generate RA 11898 compliant plastic credits

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Project Outline & Details

The project was meticulously planned for execution with clear roadmap, timelines, cost and methodology for sharing the financial benefits which would accrue

Timeline

Cost of Project

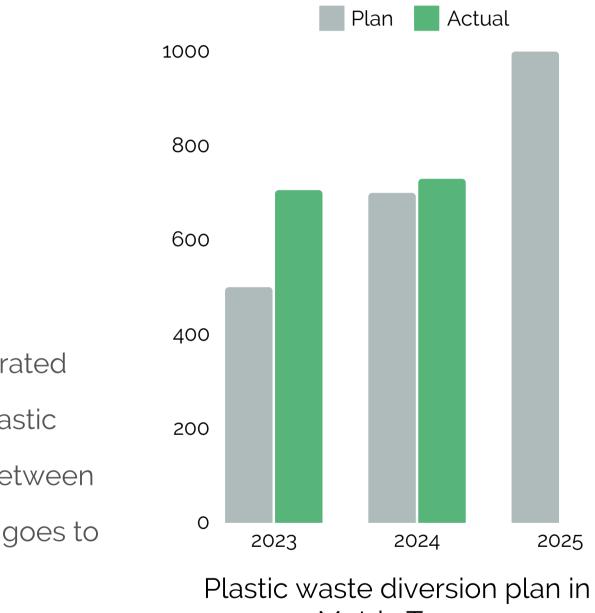
A 5 year project was chalked out. A 6 month timeframe was fixed for initial development and activation

ASM invested USD 50,000 for development of the software platform and another USD 5,000 for maintenance & upkeep

Benefit Sharing

The revenue generated from the sale of plastic credits is shared between city and asm. 75 % goes to the city

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Metric Tons

Creating sustainable impact (2024)

Revenue Generated

1 Million PHP

Communities partnered

75 +

Collectors benefitted

100+

Junk Shops formalised

50 %



Plastic Upcycled 700,000 Kgs

Source segregated 1,000,000 Kgs

Recyclers/ **Co Processors**

We have built partnerships with multiple recyclers for sustainable disposal of plastic waste

Obliged **Enterprises**

Multiple brands have collaborated with the municipality to support the plastic recovery programs



BUSINESS

Bulacan, ASM Global forge waste management ecosystem deal

'This digital collection system empowers educational institutions to promote recycling, sustainability, and the circular economy among young learners, nurturing environmentally conscious citizens for the future.'

GLOBAL GOALS

App helps Bulacan schools, day-care centers manage waste disposal

ASM Global's digital collection system empowers educational institutions to promote recycling and sustainability among young learners, thus nurturing environmentally conscious citizens



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Building Partnerships





Leadership Speak



 $\bigstar \bigstar \bigstar \bigstar \bigstar$

Joscell Vistan Cajase Mayor Municipality of Plaridel

Feb 2024

I am confident that this waste management platform will not only yield financial savings but also contribute to a cleaner, healthier, and more sustainable Plaridel.









We are supporting EPR implementation in the Philippines



ASM GLOBAL

50,000+ MT

REGISTERED CAPACITY



RECYCLER/ CO PROCESSOR

5+

LOCAL GOVERNMENT UNIT

Thank You

Work with Us

www.asm-recyclx.com +63 917 136 7263

