

About me:



Contact Info: Email: priyentanna@gmail.com +254 716 952 722 linkedin.com/in/priyentanna





25 + years

- Steel
- Packaging
- Consulting

Education:

- Materials Engineer
- MBA
- RCM II Practitioner | TPM | WCM

Roles

- Currently:
 - KEPRO Technical Lead Consultant / CEO
 - CEO DRiFT (Founded 2020)

Previously:

- Founding Chair of KEPRO
- Co-Chair of Kenya Plastics Action Plan
- CEO General Printers Limited
- Reliability and Improvements Manger at ArcelorMittal

Perspective

COLLABORATION



COMMITTMENT

CIRCULAR ECONOMY

The Waste Problem in Kenya



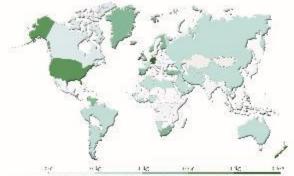


COLLABORATION COMMITTMENT

CIRCULAR ECONOMY

Kenya vs. Global consumption of Plastics





	Industrialized	Кепуа		
Consumption (Kg/ Person / Day	C.5+	C.53		
Policy	Yos	No		
Best Practice	Y96	No		
rwestment R&D	You	No		
Recycle Rate	30,30%	777		

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COLLABORATION COMMITTMENT

CIRCULAR ECONOMY



WHY WE STARTED:

- Formed to organize stakeholders
- Balance approach of Economy & Environment
- Transition from Linear to Circular Economy

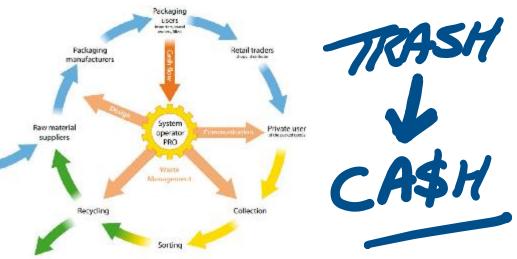
WHAT WE DO:

- Waste Management "Robin Hood"
- Help increase national awareness
- Protect Kenya's natural environment from waste and pollution

HOW WE OPERATE:

- Membership Driven | Non-Profit | NGO
- Support members by developing & implementing EPR schemes to manage Post Consumer Waste
- Increase recycling capacity & local value addition within Kenya
- Goal => cleaner environment & creating more jobs.
- Design to promote reuse & repair of packaging before it has to be recycled, and ultimately transition all packaging materials to circular design.





Legal Framework

- Solid Waste Management bill signed into law July 2022 paving the way for:
 - 5 PRO's
 - Packaging Waste (KEPRO)
 - Electronic Waste
 - Automotive Waste
 - Hazardous Waste
 - Composite / All other
 - All waste to be directed to Material Recovery Facilities by municipality
 - Segregation at source
 - 6 month window to transition from voluntary to mandatory system
 - Clearly defined reporting and regulating measure

- KEPRO registered in January 2021
 - Membership Managed
 - Non Government
 - Non Profit
 - Voluntary Participation but transitioning to Mandatory



KEPRO Board Structure, Composition, Renewal Terms & Pre-Qualification

Board

Board Chair Board Co-Chair

Admin Committee

Committee Chair Committee Co-Chair

Specialist Taskforce(s)

Invited by Committee Chair & Board
Approved for Finite Projects

Membership Committee

Committee Chair Committee Co-Chair

Specialist Taskforce(s)

Invited by Committee Chair & Board Approved for Finite Projects

Recycling G4G Committee

Committee Chair Committee Co-Chair

Specialist Taskforce(s)

Invited by Committee Chair & Board Approved for Finite Projects

Communications Committee

Committee Chair Committee Co-Chair

Specialist Taskforce(s)

Invited by Committee Chair & Board Approved for Finite Projects

VALUE CHAIN STAKEHOLDERS (16 Representatives)

Raw Materials (2)
Large
Medium

Converting (6)

Flexible Plastics Rigid Plastics Glass Paper Metals Composites

Packaging Users (6)

Large (Tier 1/2) Medium (Tier 3/4) Small (Tier 5/6) Retail (1)

RETRAK

Waste Management Operators (1)

KAWR

SUCCESSION PLANNING & CONTINUITY OF BOARD

2 Year Term Board Chair Admin Committee Chair

1 Year Term

All Committee Chairs & Co-Chairs, Members 33% New Members

Pre-Requisites

- 1. Board Chair & Co-Chair: Served 1yr as Committee Chair
- 2. Committee Chair & Co-Chair: Represent Value Chain Stakeholder 5yrs
- 3. Position in Company: CEO equivalent of company, CEO/Chair of BMO, Leads Sustainability in Tier 1 or 2 Packaging User



Fee Structure



Annual Membership Fee

- Based on Tiers
 - 6 Tiers based on size
 - Smallest fee: 5,000/-
 - Largest fee: 500,000/-
- Used to administer the PRO
 - Overheads
 - IT / Communication etc
- Annual Certificate issued
 - Used to apply for NEMA operating Permit
- Quarterly Compliance certificate issued against random audits on volume declarations
 - Random Lottery
 - 2 from each tier
 - Backwards audit to manufacturer
- Membership Registry to be posted on KEPRO Website
 - NON compliant members will be deregistered & reported.
 - Association with de-registered members is enforceable by NEMA

Monthly Usage Declaration Fee

- Fees determined via EPR Councils
 - Representation from across the value chain with objective to balance economics vs environment
- Brand owners: 10/- per kg declared
- Manufacturers: 0.3/- per kg declared
 - Cross check mechanism

Criteria for EPR Subsidy Distribution

- Recyclers brought on through stringent TOR process and contracts
- Monthly declaration of recycled (Value Added) volumes
 - Pay 15/- per kg
 - Payment made on Valid ETR sales
 - Encourage innovative methods support informal sector
- Funding Allocation
 - 60% G4G
 - 30% Impact Activity
 - 10% Contingency



RECYCLING G4G









- 13 Contracted Recyclers
- Focus on flexible post consumer plastics

Headline Figures (March 2021 – July 2022):

- Ksh 37.8M Paid to recyclers + VAT
- 6,409 Tons Recycled
- 4,541 Tons Post Consumer waste
- 3,962 Tons pellets
- 1,158 Tons Bread Bags (25.5%)
- Q4 mobilizing to set up EPR councils for:
 - Flexible Plastics
 - Rigid Plastics
 - o PET
 - Glass
 - o Paper
 - Metal
 - Composites



MEMBERSHIP





- 351 Members YTD (Voluntary)
- 10,000 + Members expected by 2023 as we move to MANDATORY



- Quarterly Townhall's to update
- Annual General Meeting to report and elect new Board of Directors



- Fees reviewed Annually
 - Membership Fee (annually)
 - EPR Fee (monthly)
 - EPR Fee based on material fraction
 - Higher fees set for harder to recycle materials





COMMUNICATIONS







Monthly Impact Activities with partner recyclers and CBO's (Community Based Organizations)



Focus on Awareness & Education

 Managing membership & stakeholder expectations

a manufaction of the control of the



ADMIN & TREASURY







- **Stringent oversight of:**
 - **Governance & Ethics**
 - **Budget / Finance**
 - Hiring
 - **Policy Framework**
 - Strategy





KEPRO Strategic Roadmap

- Our True North
- One page guiding document

G WID BOAD OWN 2020 TO 2020



What is unique about KEPRO?

Personal bare report a mid-door pillage

- dated winters return 2017 DRR model based or global best practices.
- Wide different appropriation from all private sector ve se chain stakeholders
- adapted for ocal current & future reality

resignation of high edition 5 moral standards.

Purporae: Accelerating the growth of our Recycling Economy. leading to a Circular Economy for the sake of our future. generations it our natural environment, that is embedded within For environmental boso & logarithmental bud Auropa Our Niche: Amazon & salisticative participality will all

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3. Checological - Developing the Checolog Services in Known by supporting the Recycling Services.









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Strong collaborative partnership. calablehed with all public 8 private stakeholders KEPBOYA EPB's Core Process is:

adopted across all sectors

KEPRO built on artificial standards. financially subtainable & transparent

DAYS THE REST REPROV proven EPR Core Process has broad stakeholder commitment

- Circular Economy principles are: embraced by all stakeholders KEPRO will pioneer oircular pendust.
- & packaging design principles &

P & KEPRO APPROACH TO PARTNERSHIP & ENGAGEMENT Sandress Marelment in Copenhadines (SMC)

Helian Manager

Modern Shah

Sevine Revenue

Engage NEPRO to provide value to BMO members through KEPRO membership to align with END and EER volumbary & recording regulations, and control and & engage in opportunities as Kerrys shifts to the Recycling and Circular Economy. responsive Major Community

This community refers to impossions in developing A commercialising products made from post-consumer waste resterists. It EPRC since to as poort this community through the formation of a Recepting & Croadar Fromony imposition moultable

ADMIN & TREASURY COMMITTEE | Birabilish Operational & Governance Capacity to run REPRO

Admin & Tracking Committee

Admin & Tracks by Committee Very Char-

Engage KEPRO to pertner for cross-sharing global best practices & Secretary in substitute a problem & broken in recommend &

KEPRO will increase awareness & education about how Kanval's restruction and care by instrument by admitted Bercedon & Clauder. Economy Mode a, and showcase individuals, companies and reculators who are residing this bappen in Kenya

NATIONAL INTERNATIONAL AND LOCAL COMMUNITY PARTNERS

regular KSTRO is purious with private acolor voluntary STR circolcoment 5 for national 57 R legislation 5, regulation, and engage KEPYIO to support stakeholders at country 5. sub-county invals.

Consumer means the end user of a product, KEPRO will provide to consumers through its media platforms education & averageess of the need to shift from a Linear to a Recycling & Circular Economy, including recomment of containable bounds the apply

their performs, and invitation to probability the recommend in part of others.

AGM Report



KEPRO Membership H1 Report

- Report out to membership quarterly
- Key achievements
- Town Hall
- Social Media / Email

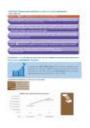


KEPRO NEMA Report

- Report to NEMA Quarterly
- Objective based updates on progress, issues and actions

















Challenges

Solution

Schools Project

Solid Waste Management Bill

Working with KPP (Kenya Plastics Pact)

X - Prize

Voluntary system

Education & Awareness

Segregation at Source

Talking

Trash

Solid Waste Management legislation and EPR Regulations will require Mandatory participation

Design for Recyclability VAT (Value Added Tax) [16%]

Recycling Capacity & Capability

Software to mange data **Membership Registration Membership Monthly Declarations Recyclers Monthly Declarations**

Appetite for investment awaiting successful implementation of SWM Bill

KEPRO Developing Custom Software To be launched Q4 2022

Walking

Cash

Community Engagement / Working with informal sector

Need to reduce to 5% or Zero Rate to formalize sector

Thank you ...



Contact Info:

Email: priyentanna@gmail.com Mobile: +254 716 952 722 linkedin.com/in/priyentanna





KEPRO Kenya on Social Media











@kepro-ke



@kepro_ke



KEPRO Kenya



kepro.co.ke