

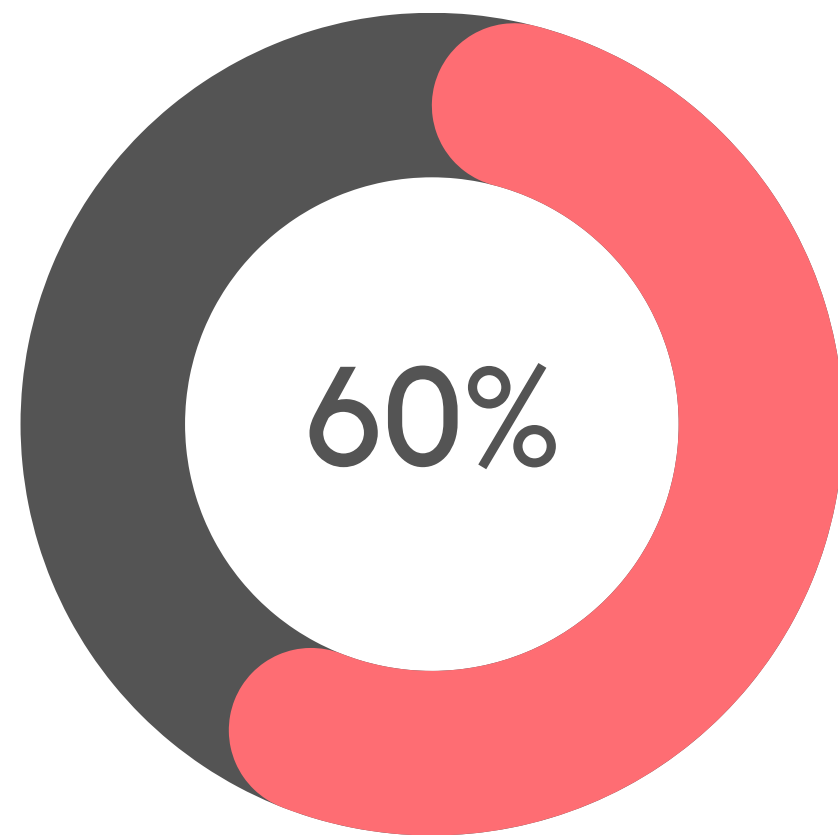
# DOKO: THE D.A.I.

By Trash Titans

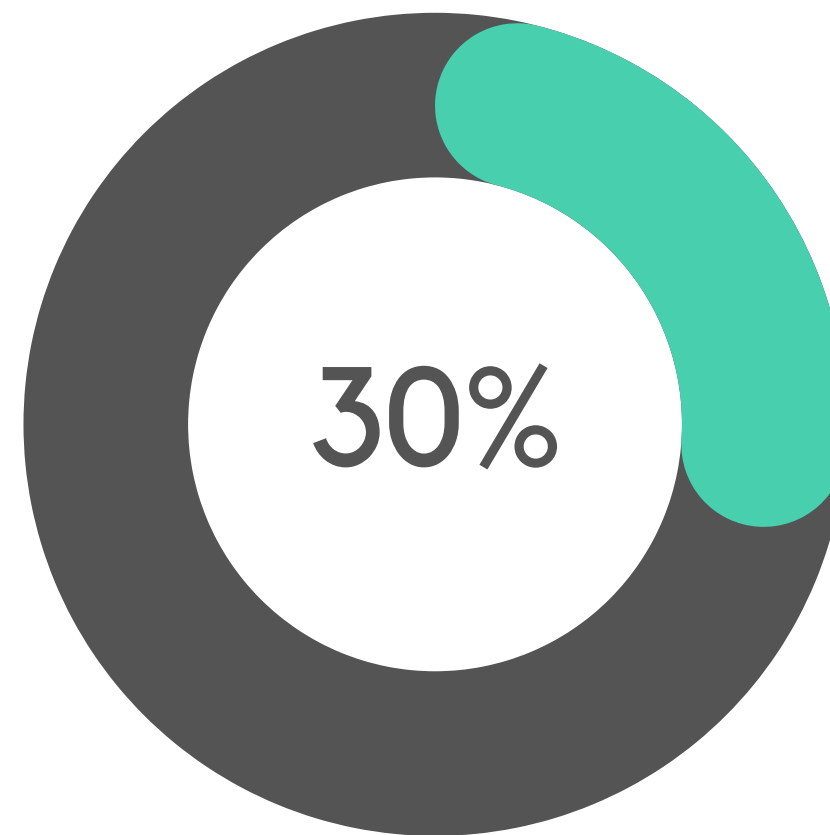
- Nipurna Shrestha
- Biraj Karki
- Sumit Kumar Sah
- Prasanna Kumar Regmi

Theme: Green Ecosystem & Sustainable Economy

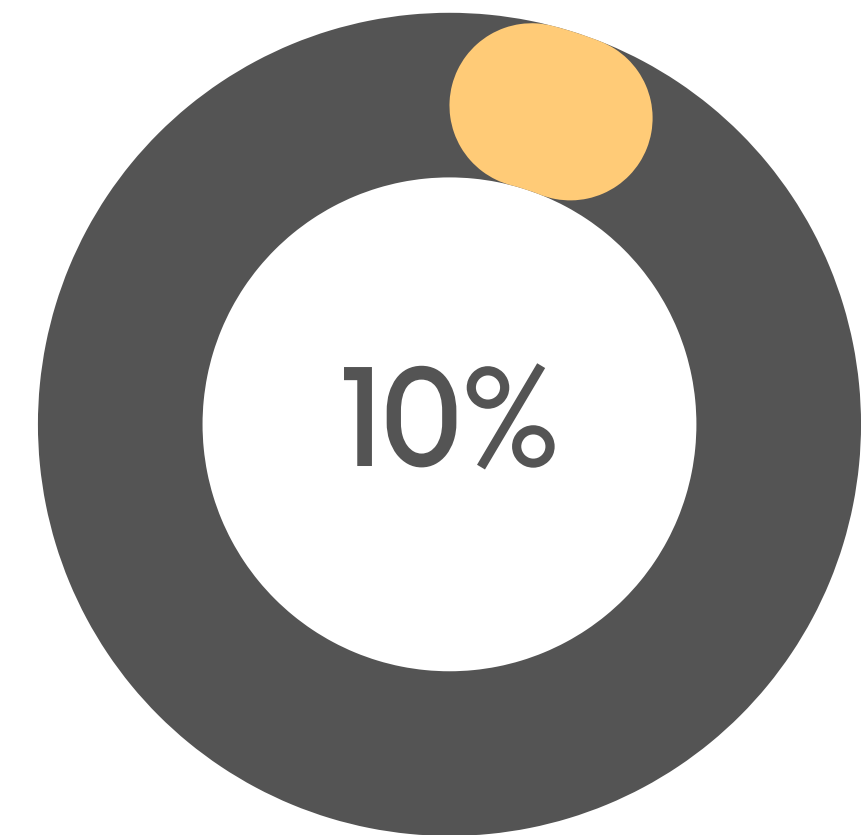
# WASTE PROBLEM IN KATHMANDU



ORGANIC WASTE



RECYLABLE WASTE



UNRECYLABLE WASTE

# ARRIVAL OF THREE HEROS



**KUSHAL HARJANI**

Co-founder & CEO



**RUNIT SARIA**

Co-founder



**RAGHAVENDRA MAHTO**

Co-founder



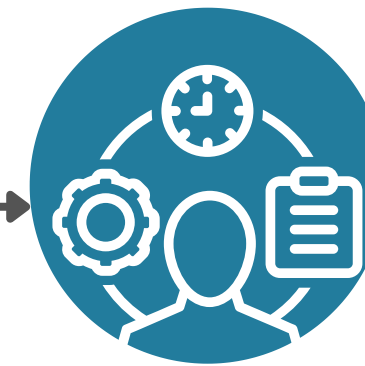
Formed Team to build recycling business



6 months of research



No waste to buy from



Switched to Waste Management practice

# PROBLEMS

The dominance of Informal Kabadi Wala and Established syndicates.

Green ecosystem approach.

Government's Ignorance towards Waste Management Policies Regulations.

Lack of knowledge on waste segregation.



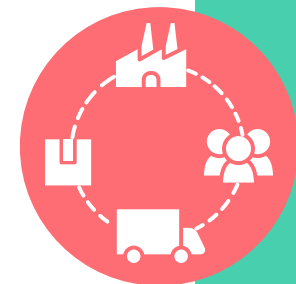
# FINDING THE GAP



Informal Kabadi wala provided their services to houses leaving a gap in the **Corporate Sector**.



**Unsustainable** approach to waste segregation & extraction

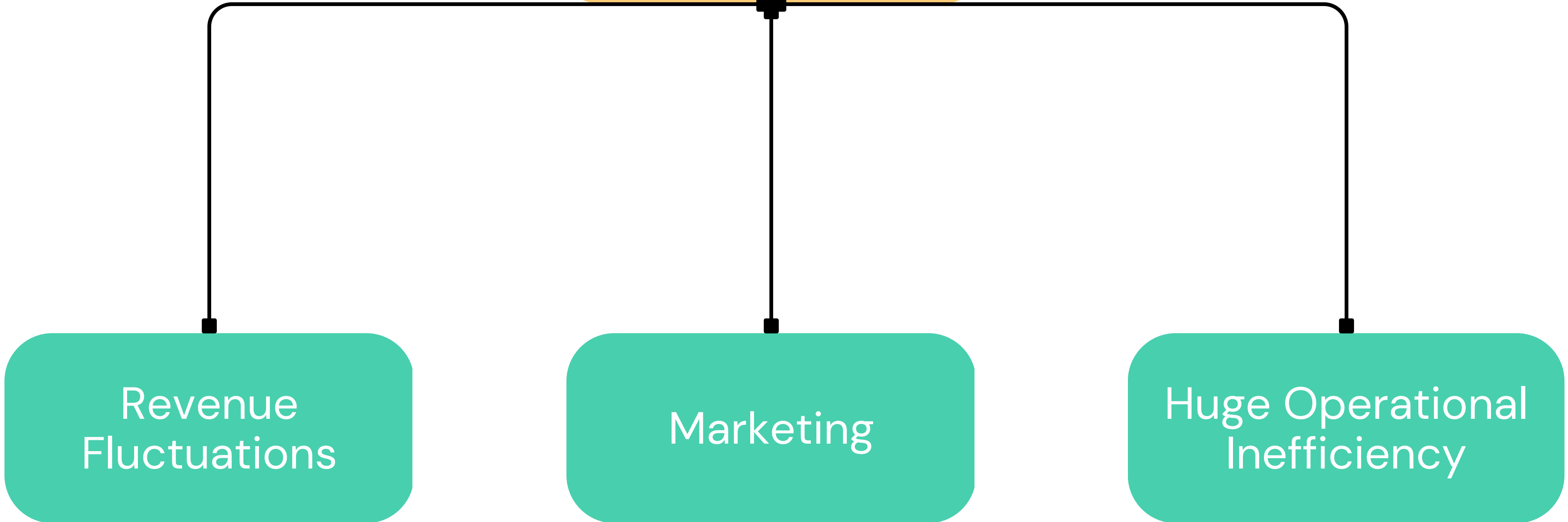


Informal Kabadi wala operates on long & tedious supply chain.

# SOLUTIONS IMPLEMENTED



# PROBLEMS



# Revenue Fluctuations is countered through building multiple revenue stream & Partnering with diversified entities



**Marketing** hurdles are solved through:

## Campaigns & Workshops

- ✓ Awareness Campaign to spread the message of waste segregation & recycling.
- ✓ Funded by Foreign Aid
- ✓ Word - of - Mouth
- ✓ Establishing partnership with businesses





Conducting a Workshop(1)



Conducting a Workshop(2)



Conducting a Workshop(3)



Conducting a Workshop



Doko Bin at Jazzmandu



Doko Bins at Jazzmandu



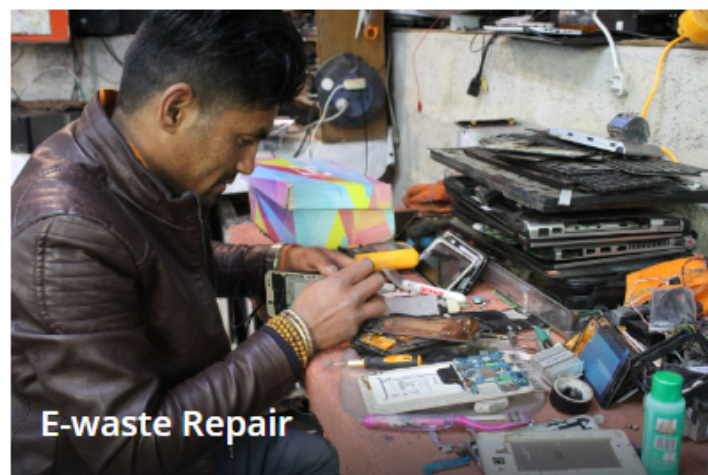
Doko Site Visit(1)



Doko Site Visit



E-waste Presentation at Waste Electrical and Electronic Equipment (WEEE)



E-waste Repair



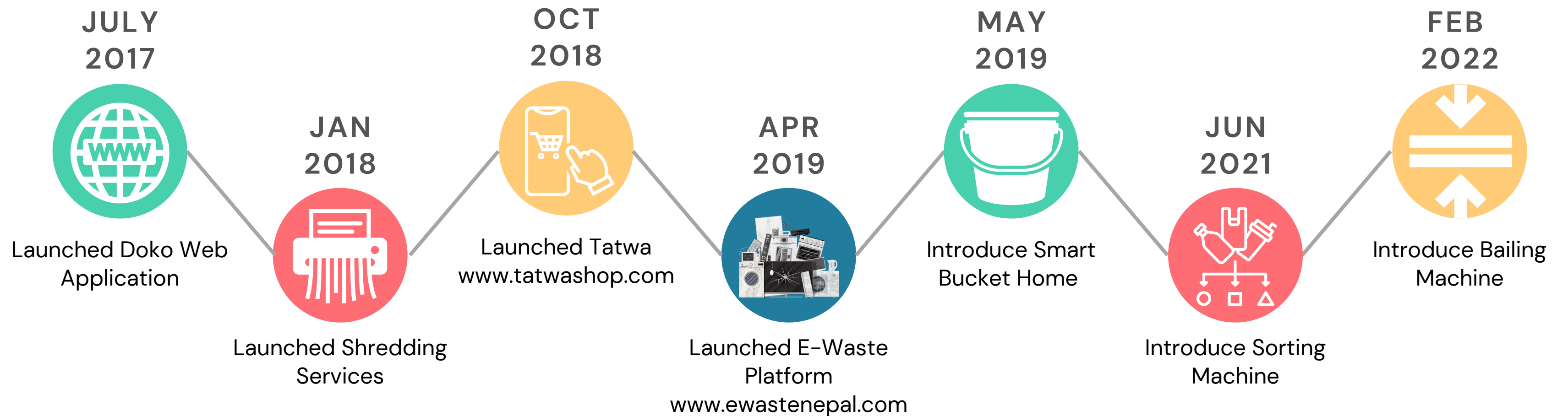
Local Stakeholder Meeting(1)



Local Stakeholder Meeting



# TECHNOLOGY EVOLUTION



The Operational Inefficiencies are tackled with  
**Automation & Innovative Technologies**

# SERVICES



Shredding



E-Waste  
Management



Composting



Workshops



Tatwa



## Some products sold by TATWA



Twin Dustbin (40 L)  
Rs. 4400



Steel Segregation Bins (2 Compartment)  
Rs. 15300



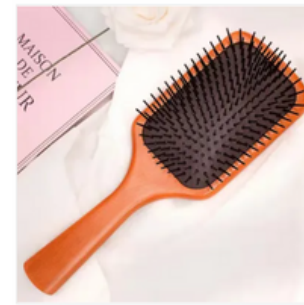
Steel Segregation Bins  
Rs. 29000



Vermi Compost  
Rs. 140



Toothbrush Holder Portable Bamboo Round Toothbrush Case Tube For Travel  
Rs. 575



Beech Wood Paddle Hair Brush For Men & Women  
Rs. 550



Natural Soap Pouch/soap Bag Scrubber [Gently Exfoliates Skin] For Men & Women  
Rs. 199



Natural Bamboo Tooth Comb  
Rs. 590

Next Page

Follow Us At:

## Some products sold by TATWA

SKILL X ENTREPRENEURSHIP WEEK  
IN COLLABORATION WITH RBB

9802071579

Shopping Cart

Tatwa Home Shop by CATEGORY All Products Items on Sale Contact Us Share this Website

Enter Product Name Search

Home / All Products

All Products

Sort By Latest



Hp Probook  
Rs. 25000



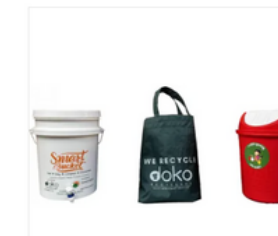
Lenovo Thinkpad  
Rs. 32000



Intel Core Monitor  
Rs. 13000



Tote Bag For Recyclables  
Rs. 550



Mouse, Keyboard, VGA Cable, Power Cable



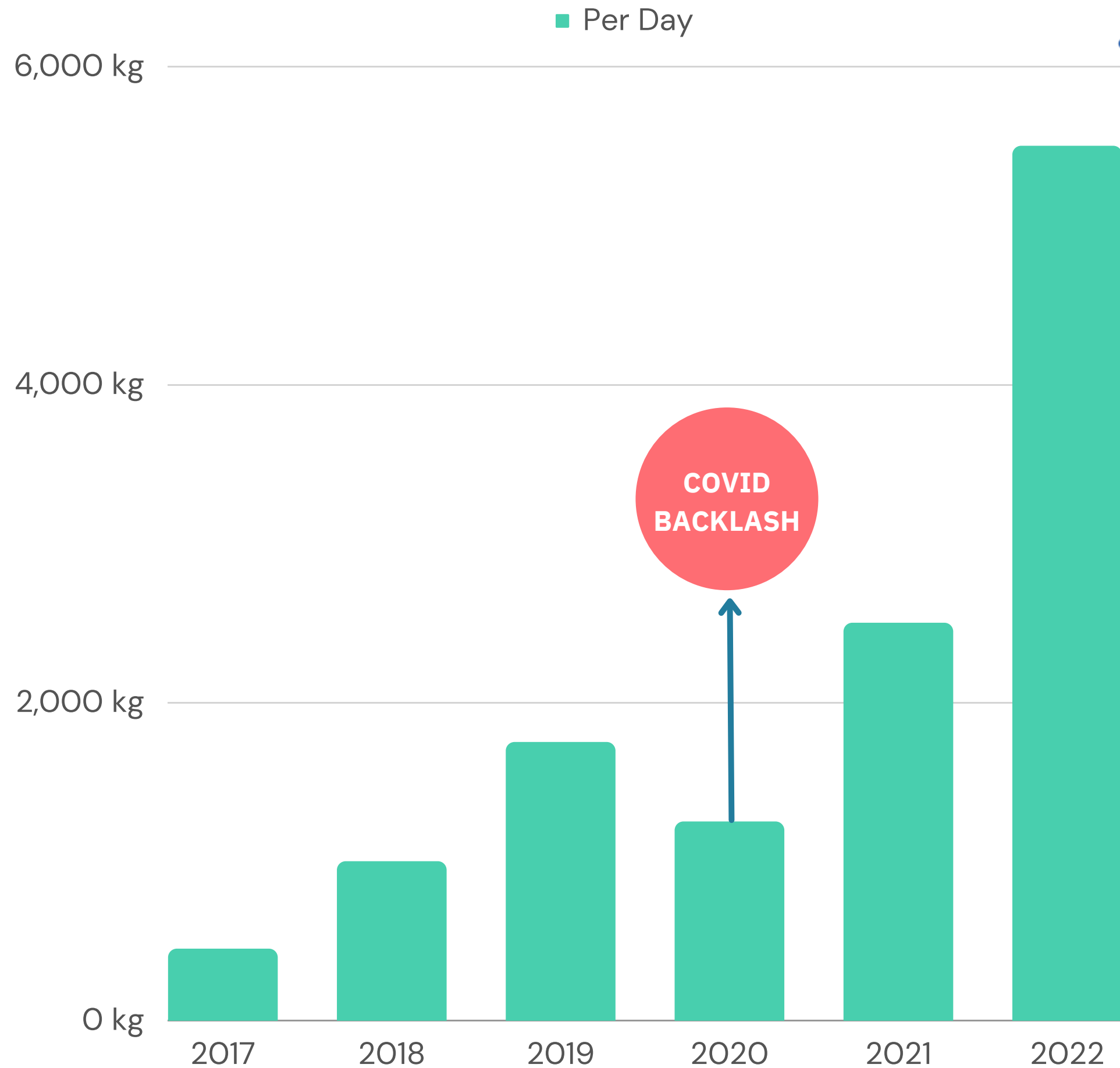
# WASTE COLLECTION REPORT

14 M KG

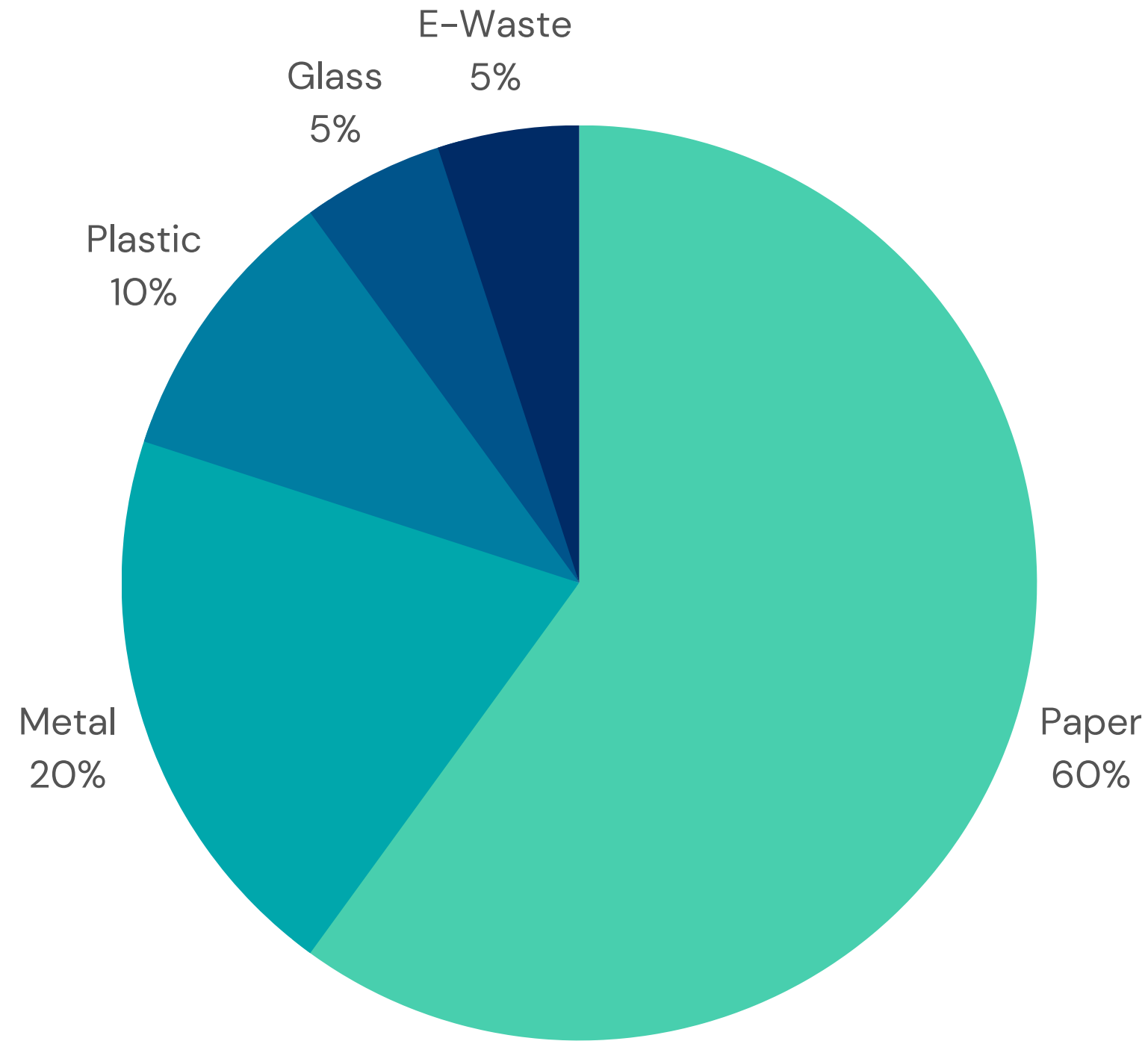
## OUTCOME

Amount of waste collected by DOKO from 2017 - 2022

SKILL X ENTREPRENEURSHIP WEEK  
IN COLLABORATION WITH RBB



# REVENUE



Revenue contribution of diff. waste types

# TRADITIONAL VS DOKO



## Traditional

A long and tedious supply chain

B2C House-hold focused

Profit Oriented

Excessive Human labour

No focus on sustainability

## DOKO Recyclers

A sorted supply chain.

B2B Commercial entities focused

Green approach

Automation

E-waste and plastic recycling

# SUPPORTED THEORIES

## Disruptive Innovation Theory

The theory of disruptive innovation, as proposed by Clayton Christensen, explains how new technologies or business models disrupt existing markets by creating new markets or business models. Doko Recyclers has disrupted the waste management market in Nepal by introducing innovative models such as web application to get waste management service as door step that incentivize individuals and businesses to recycle and create new revenue streams from recycled waste.

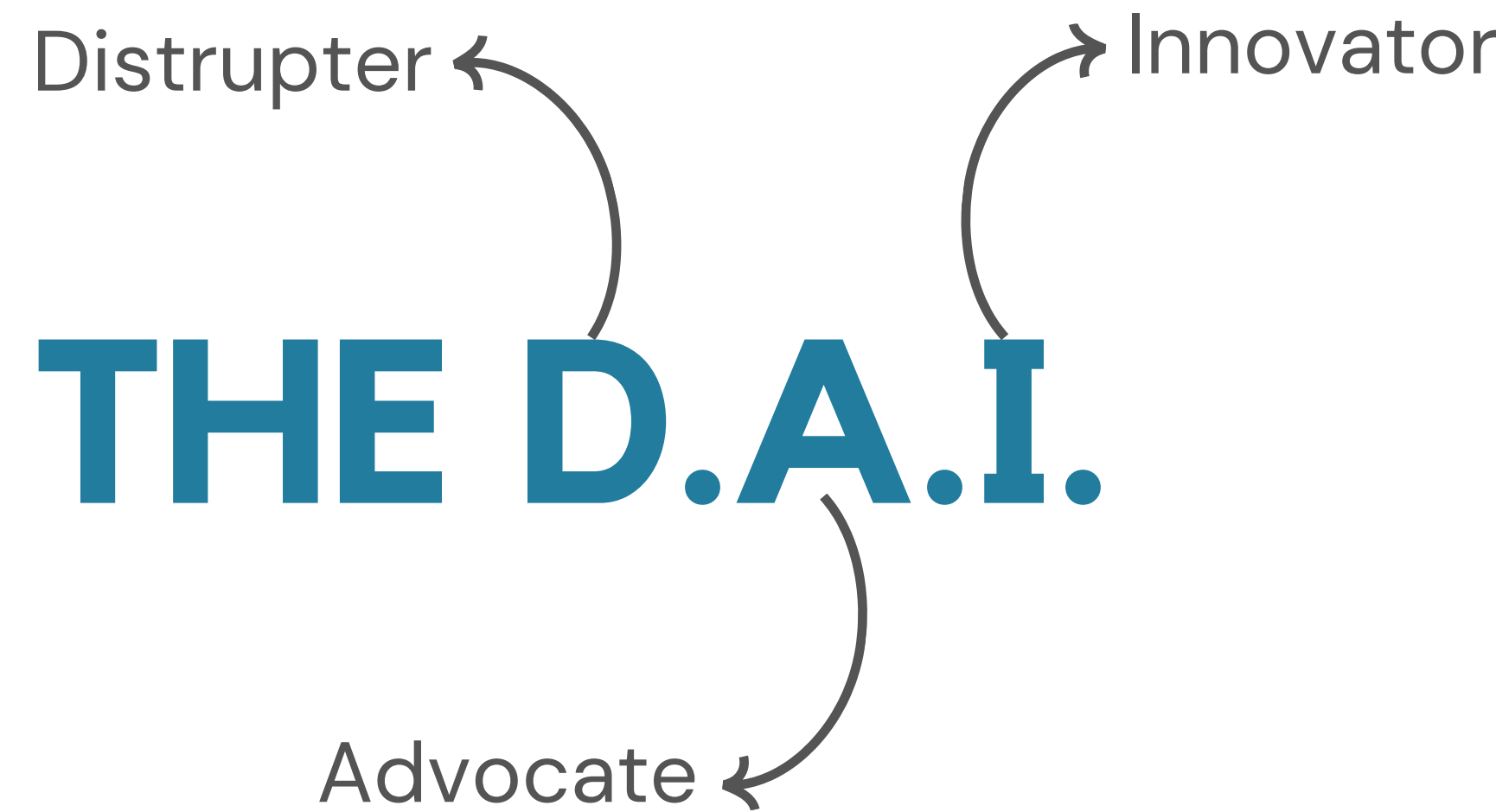
## Circular Economy Theory

The circular economy theory proposes a regenerative economic system in which waste is reduced, reused, and recycled to create new products and services. Doko Recyclers's innovative recycling process has enabled them to convert plastic waste into high-quality granules that can be used to manufacture new plastic products, creating a closed-loop system where waste is turned into a valuable resource.

Distrupter ←      → Innovator

# DOKO: THE D.A.I.

Advocate ←





# THANK YOU

By Trash Titans