



 **Enviroserve Rwanda Green Park**
Rwanda E-waste recycling facility

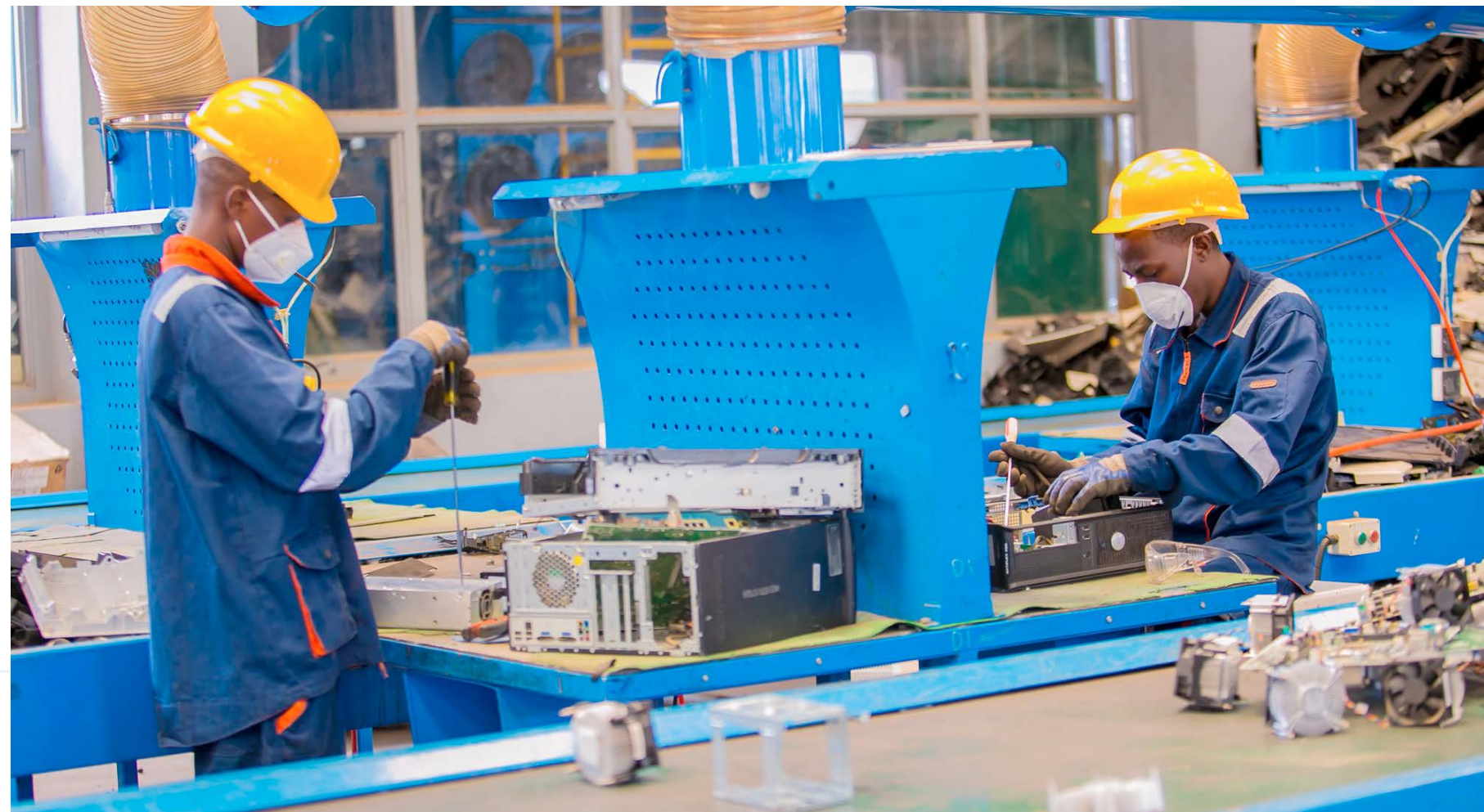
WELCOME TO ENVIROSERVE RWANDA

Saving the planet, naturally

WHO WE ARE

Enviroserve Rwanda Green Park (ERGP) is a private enterprise that specializes in electronic and electrical waste recycling. We are committed to promoting green growth and fostering a circular economy.

Enviroserve Rwanda is a trailblazer in e-waste management in East Africa, operating the region's cutting-edge e-waste dismantling and recycling facility. We have been operating in Rwanda for the past 5 years.



OUR GOALS


Enviroserve provides a sustainable solution to managing e-waste to guarantee:

- 1** |  Protect the Environment
→ The primary goal
- 2** |  Safeguard Human Health
- 3** |  Create Green Jobs
- 4** |  Recover Resources
→ To reduce overexploitation of the environment for resources



OUR SERVICES

We provide services dedicated to proper e-waste management;

- 1** |  Repair and Refurbishment
- 2** |  Certified Data Erasure and Destruction
- 3** |  E-waste Collection
- 4** |  Battery Collection and Recycling
- 5** |  Technical Assistance and Consultancy
- 6** |  Industry Technical Training



WHAT IT LOOKS LIKE

Recycling of batteries

→ Lead Acid battery testing & recharging system



→ Lithium battery testing & recharging system



Recycling of Cables and Plastics



ITAD & Refurbishment



HHD Shredding



Data Wiping



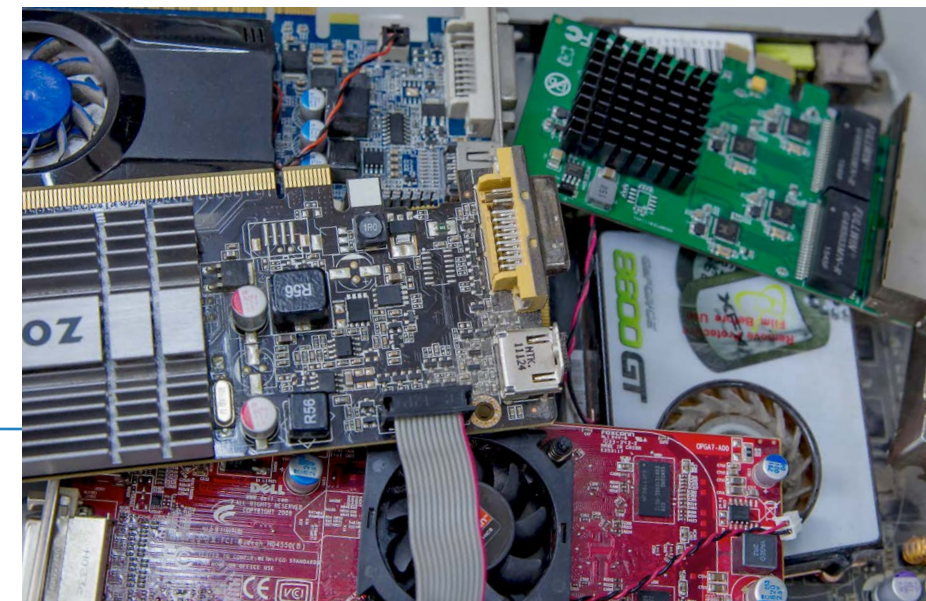
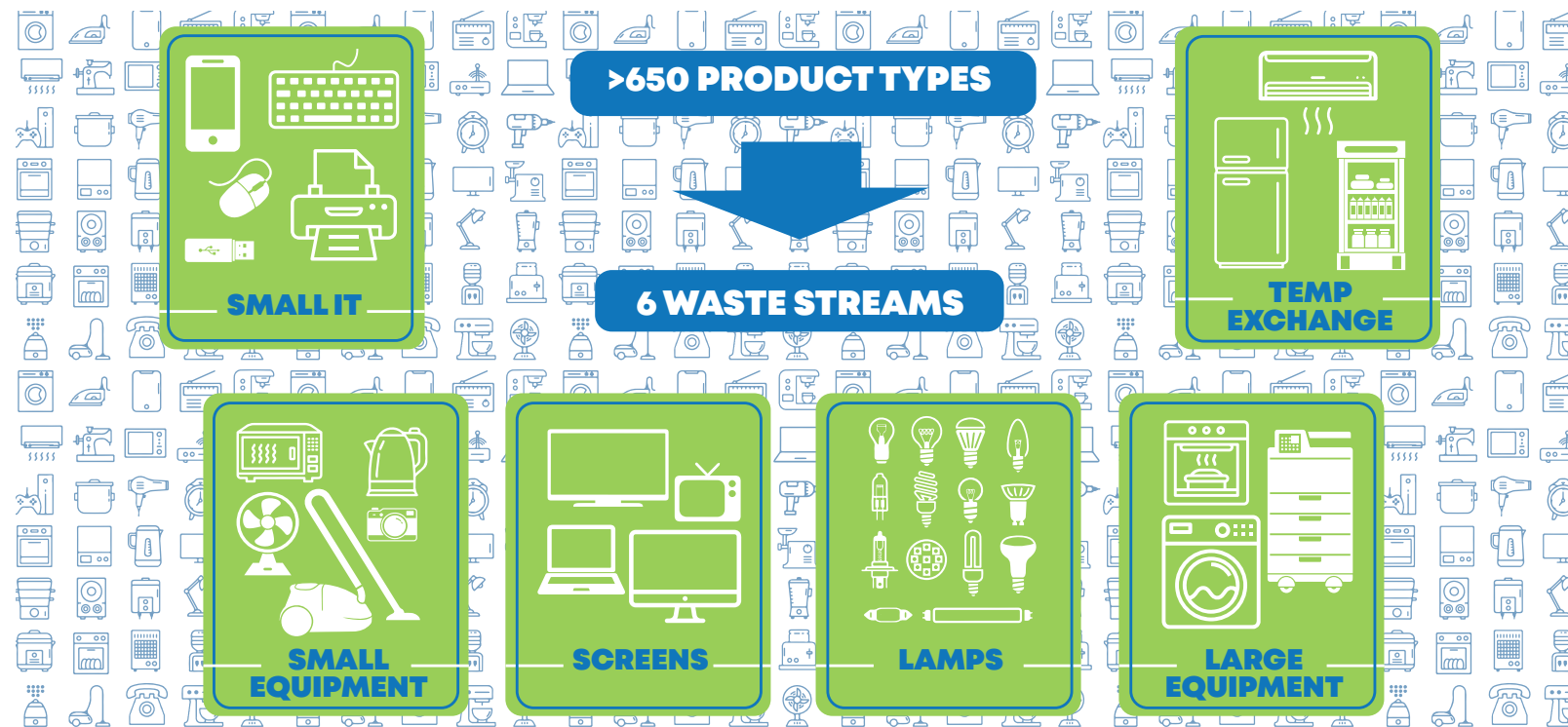
IT Refurbishment Parts Harvesting



WHAT IS E-WASTE?

- Expired or outdated electronic devices
- Old or obsolete electric equipment, including cooling equipment and others
- Discarded computers, laptops, and smartphones
- Non-functional televisions, refrigerators, and appliances

Different types of E-waste



WHY IS E-WASTE A PROBLEM?

High amount of e-waste generated

53.6 M+

Metric tonnes of e-waste were generated worldwide in 2019.

2.9 M+

Metric tonnes of e-waste were generated in Africa in 2019. i.e 2.5kg per habitant.

17.4%

Was officially collected & recycled globally.

82.6%

of e-waste is not recycled and ends up in landfills.

17.4 M

Metric tonnes of Small Equipment is the largest contributor.



NATIONAL CONTEXT

Consumption

15,000

metric tonnes

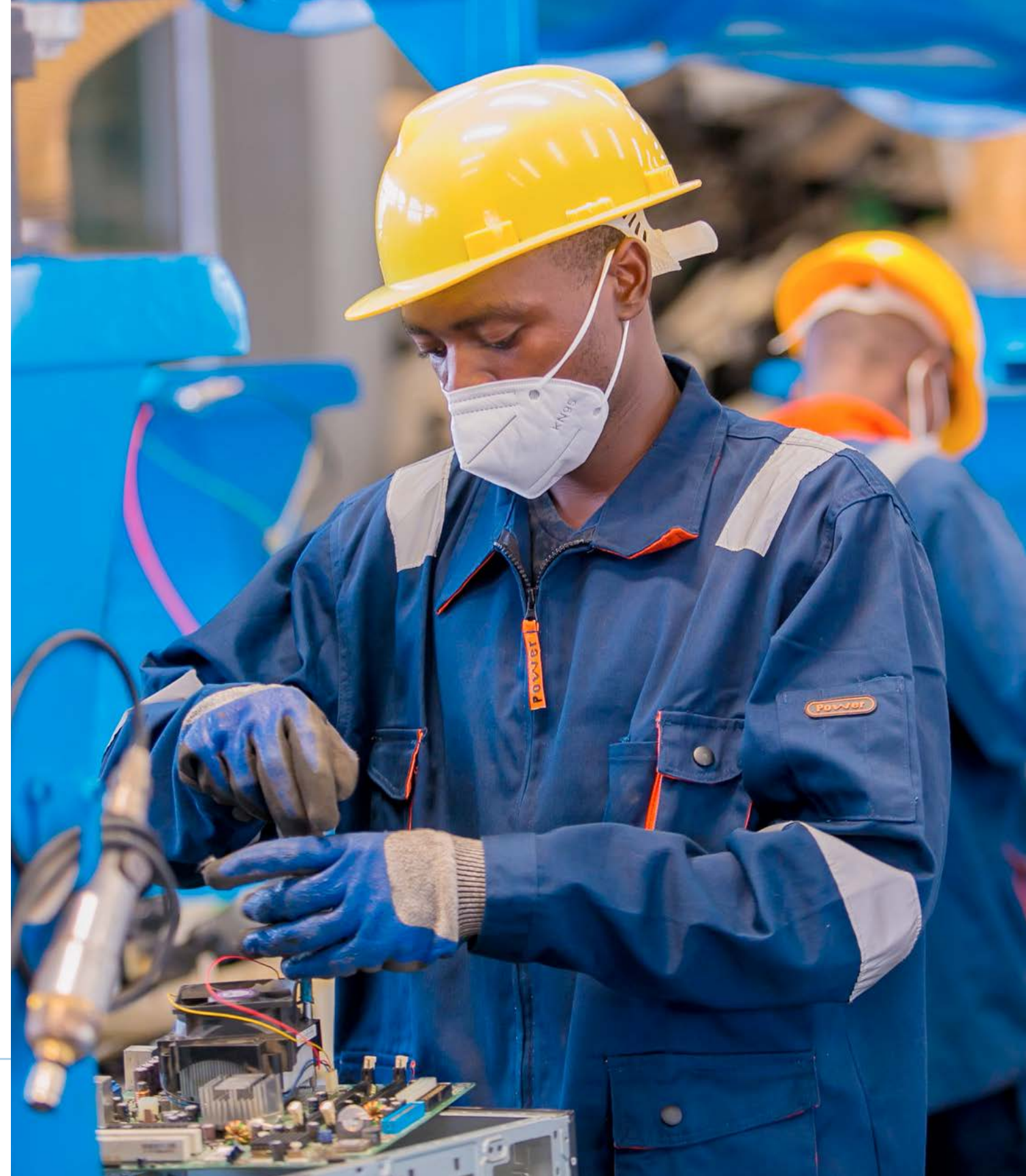
were generated in 2015 (Rwanda E-waste Inventory Study, Ministry of Trade and Industry).

500

metric tonnes

of solar e-waste was generated annually.

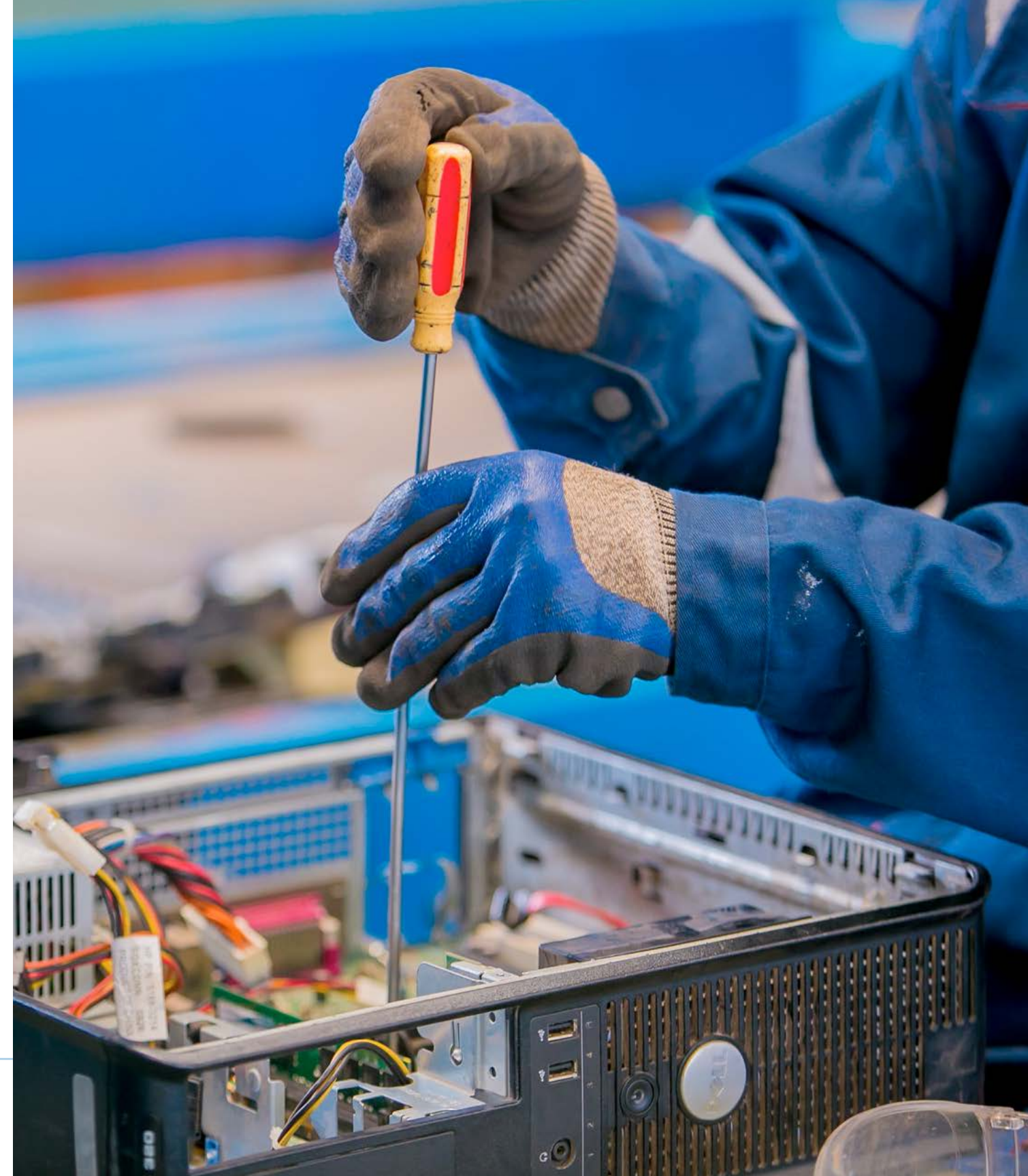
The increase in e-waste generated is directly proportional to GDP per capita growth.



WHAT IS RWANDA DOING ABOUT THIS?

Legal Framework

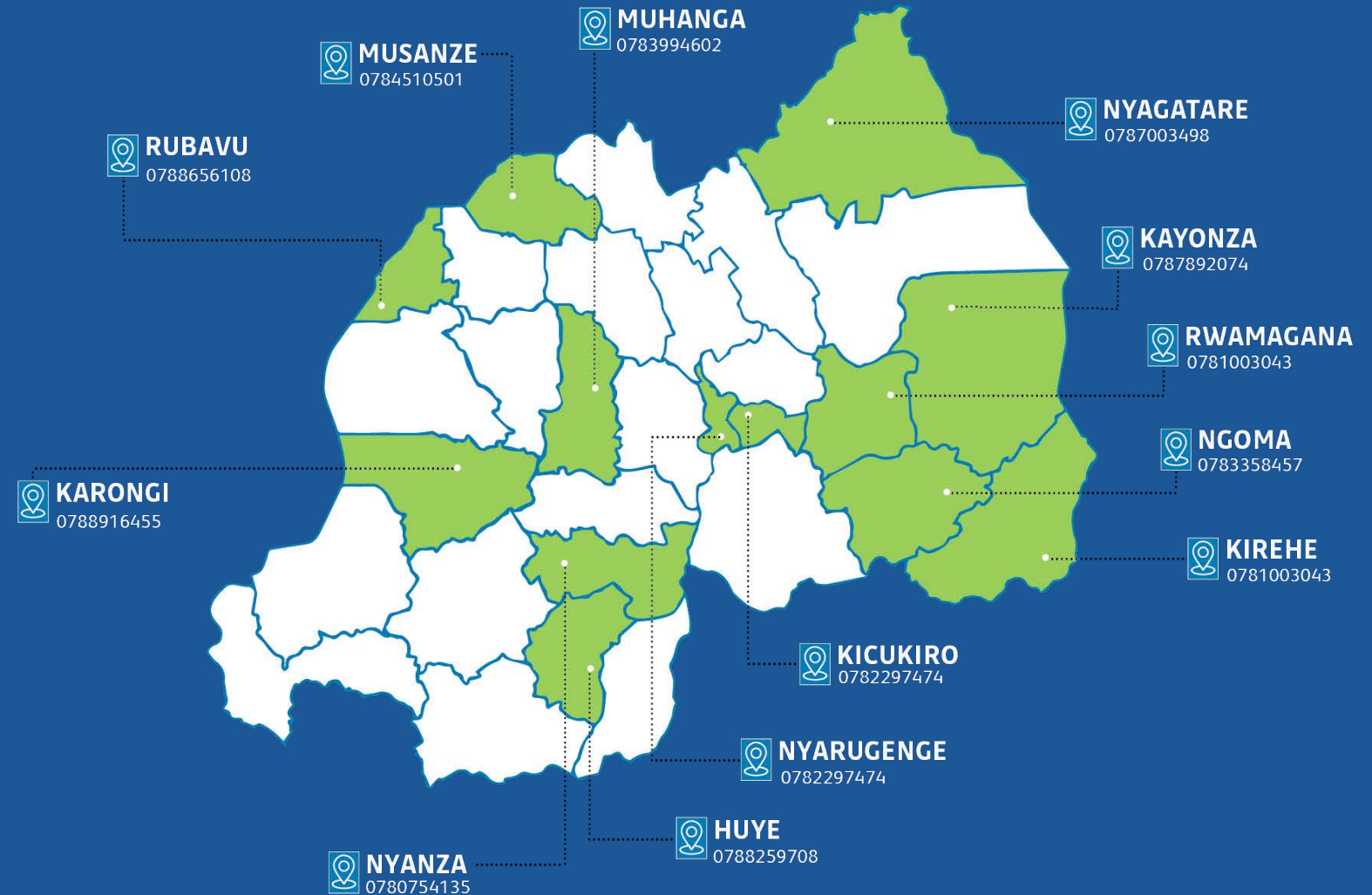
- 2011** ● Draft E-waste management policy | Ministry of ICT and Innovation
 - 2016** ● National Sanitation Policy - Umbrella policy | Ministry of Infrastructure
 - 2018** ● National Regulations on E-waste Management | Rwanda Utilities Regulatory Authority (RURA)
- Environmental Law (revised to include Article 20 on E-waste Management)
- Public-Private Partnership between the Government of Rwanda and Enviroserve to operate and manage Rwanda's e-waste recycling facility.
- Under this PPP, Enviroserve is mandated to collect and manage all e-waste in public institutions.



HOW DO WE GET THE E-WASTE?

E-waste Collection Initiatives

- Collections from Public Institutions
- Collection Points
- B2B Partnerships
- City Drive-In
- E-Waste Umuganda Initiatives





E-Waste Collection Process

Public Institutions



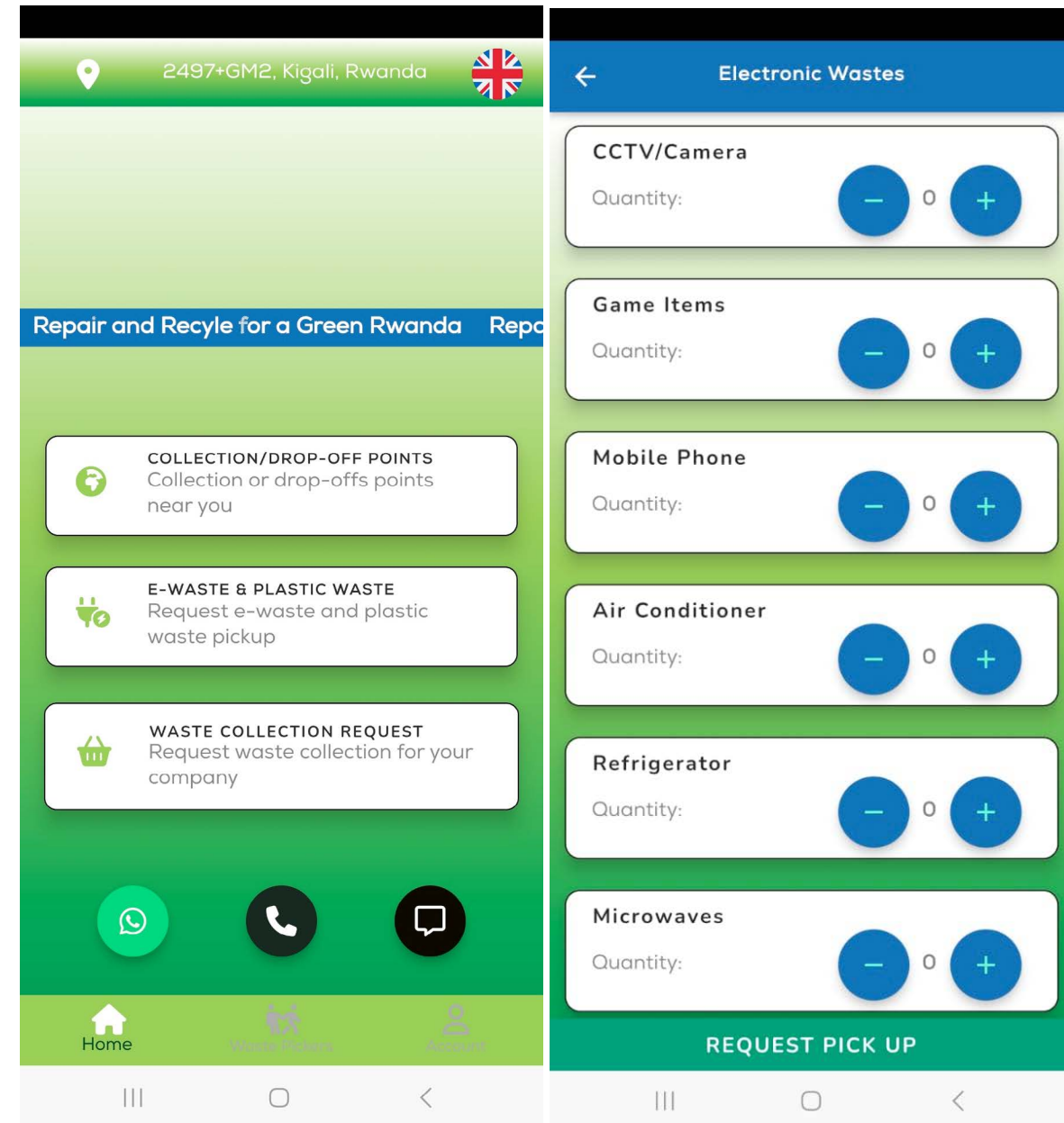
Private Institutions, NGO , Development Partners



Enviroserve App

Our user-friendly app connects you with certified e-waste and plastic waste collection points, making it effortless to dispose of old gadgets, computers, and electronics securely as well as plastic waste in Rwanda. Simply schedule a pickup or locate the nearest drop-off point with ease.

This not only helps you declutter responsibly but also contributes to a cleaner, greener environment by ensuring proper recycling and disposal of electronic waste and plastic waste.



OTHER INITIATIVES

Training of young graduates and Informal sector

160

young graduates received 6 months of rapid response training by Enviroserve Experts

143

informal technicians trained

60

Formalized informal technicians in Kigali and equipped them with safety equipment



Cooling appliances and refrigerant gas collection & recycling

- The Rwanda Environment Management Authority (REMA) in partnership with UNEP U4E, officially launched the Rwanda Cooling Green on Wedge (R-cool Go) on January 31, 2022.
 - The project aimed at receiving, collecting & recycling cooling appliances by giving out a 15% voucher for the next purchase of a cooling appliance as an incentive.
- Enviroserve Rwanda joined the project as a collection & recycling partner.
- The collection of the cooling appliances was not successful due to mainly a lack of awareness.

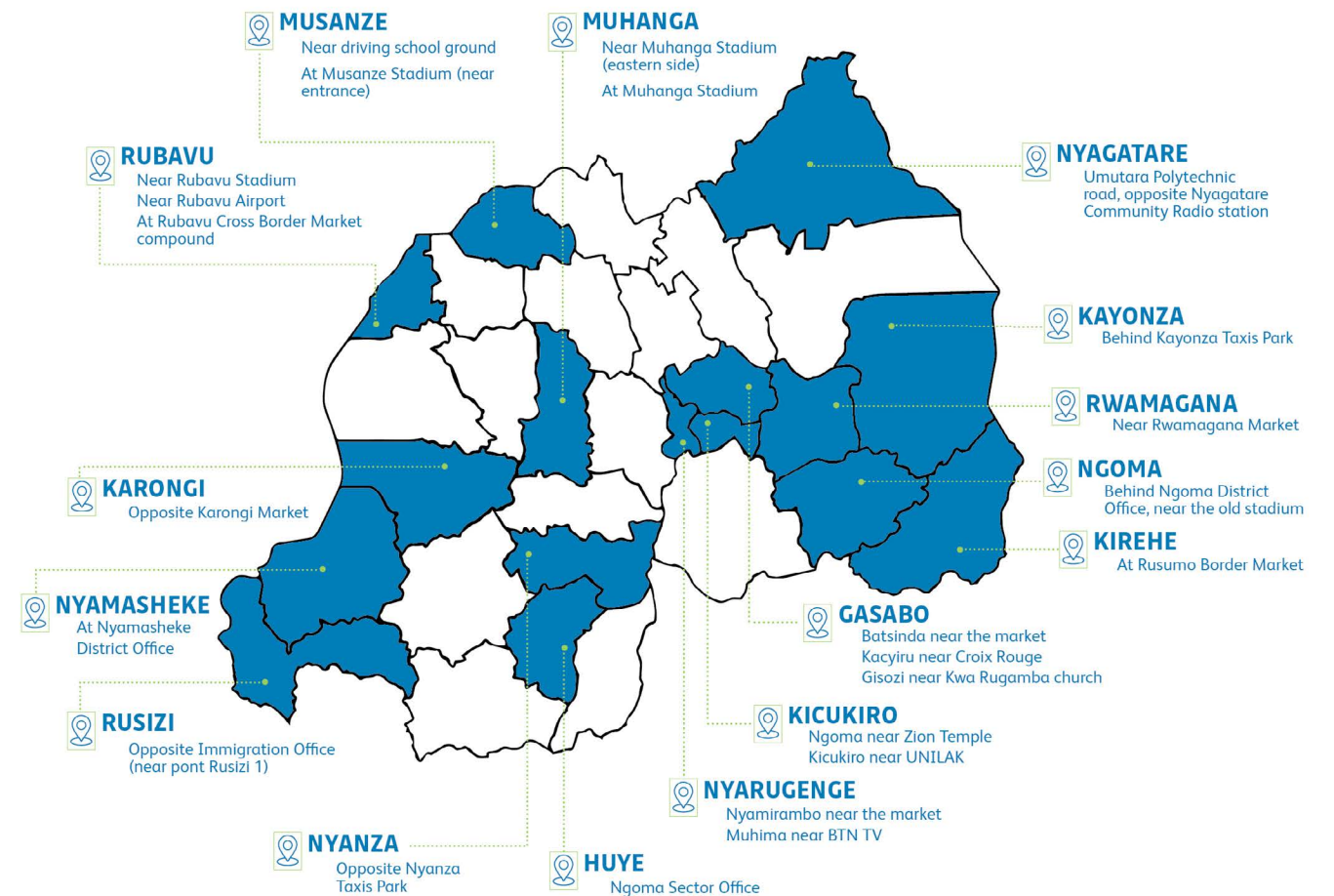


Single-Use Plastic Waste Processing

- In partnership with the Private Sector Federation (PSF), we collect all plastic waste in the country for recycling purposes.
- An incentive is given to people who collect this plastic, where they get RWF 200/Kg



Plastic Waste Collection Points



Awareness-Raising Initiatives

- Enviroserve Rwanda ran a campaign with local and international partners.
 - The campaign encouraged the public to return their e-waste to collection sites.
 - The campaign featured a competition where people could drop off their e-waste and stand a chance to win prizes.

Rwanda E-waste Awareness CAMPAIGN OVERVIEW

355,971+ Impressions* **18,586+** Engagements**

14,156+ views on The New Times **201,217+** views on Igihe **10** Partners

Radio show: 1 RADIO 1 RADIO
 Adverts: 2 KT Radio 1 RADIO
 Duration: 2 MONTHS

87.4 Kg of e-waste collected by Enviroserve

* Impressions represent the total number of times the content has been displayed to unique users.
 ** Engagements represent the number of interactions on the content and platforms.
 *** Impressions and engagements include only data from Enviroserve social media platforms.

#GreenRwanda | #RecycleRevolution

- Enviroserve engages in E-waste Umuganda and relies on the media to boost awareness



➤ Enviroserve Rwanda conducts training workshops with people in various institutions



Plastic Waste Collection Impact



1,599+

Tons of Single use
Plastics Collected



24

Plastics collection
points in Rwanda



1300+

Beneficiaries



E-waste Collection Impact

Collected and recycled
6,949+ tons
of e-waste since 2019
(including more than 100
tons of cooling equipment)

5,480+ tons
of carbon dioxide
equivalent emissions
mitigated

12,777+
computers refurbished
In collaboration with
REB, more than 2500
refurbished computers
has been distributed to
schools)

975+
green jobs created



CHALLENGES

- Limited awareness of e-waste dangers for the public
- The absence of incentives for consumer equipment take-back
- Ongoing development of Extended Producer Responsibility (EPR) regulations
- Insufficient awareness and enforcement of e-waste management regulations





Contact

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Thank you!
Saving The Planet, Naturally