

Innovate2PREVENT

Implemented by Yunus Environment
Hub on behalf of the PREVENT
Waste Alliance



Innovate2PREVENT

- Aims to support **innovative and inclusive business solutions towards a circular economy**
- Implemented by **Yunus Environment Hub (YEH)**
- **15 selected solutions** each contributing to one of the three tracks below

Tracks

Track 1: Reuse, refurbishment or repair (RRR) of electrical and electronic equipment (EEE)

Track 2: Upstream solutions in the plastics value chain.

Track 3: Digital, interoperable and data-driven solutions for the circular economy, focussing on plastics and e-waste



i2P Participants and Country of registration



Narisrec: Binewaste

- Binewaste, is a digital platform combined with smart "Ecopoints" strategically placed throughout the country.
- This platform allows users to easily locate these bins, schedule pickups for their e-waste, and even buy or sell refurbished electronics.
- Narisrec's approach not only promotes responsible e-waste disposal but also fosters a circular economy by giving new life to used electronics.

<https://narisrec.co.ao/>



Revnics Energy: Lion Box

- Lion Box, an initiative from Revnics Energy, addresses e-waste and energy poverty by upcycling discarded electronics into solar lamps and solar power generators.
- Revnics Energy's approach involves refurbishing electronic waste to create affordable and reliable solar energy products for households and small businesses, providing electricity to underserved communities in rural and urban areas.
- This process not only extends the lifecycle of electronic items but also minimises the volume of e-waste that would otherwise end up in landfills.

<https://revnics.com.ng/>



Wastezon: Wastezon 2.0 app

- Wastezon addresses device affordability and accessibility by refurbishing e-waste into quality, low-cost devices through AI and Materials Science.
- With the Wastezon 2.0 app and web platforms, obsolete devices can be traced and acquired, which are then refurbished into affordable smartphones and laptops using a mineralogical laser scanner.
- For devices that cannot be refurbished, secondary raw materials like copper and aluminium are extracted for resale to manufacturers.

<https://wastezon.com/>



AppCyclers: AYAT

- Ayat is a web-based marketplace powered by AI. Developed by AppCyclers, the platform is designed to digitalise the collection, sourcing, and purchasing of e-waste across Africa.
- The platform connects e-waste generators, local recyclers, and off-takers, streamlining the entire lifecycle of e-waste and recyclable materials.
- By leveraging advanced technology, Ayat enhances the efficiency, transparency, and traceability of e-waste management.
- Users can easily schedule pickups, track the status of their e-waste, and access a real-time marketplace for trading e-waste materials.

www.appcyclers.com



Inter Ethiopia: Circular Solar Kiosk

- Inter Ethiopia Solution PLC is a Limited liability Company founded in 2018 and based in Ethiopia, is a company with a team of 20 employees, 60% of whom are women.
- The company is seeking support to launch an innovative Circular Solar Kiosk initiative in refugee camps, designed as a dual-purpose centre.
- This kiosk will serve both as a collection point for electronic waste (e-waste) and as a training hub where refugees can gain skills to become technicians specializing in refurbishing solar products, ultimately helping to address the challenge of solar e-waste and creating jobs among the refugee communities in Ethiopia.



Mount Kenya University : Ecotrace

- EcoTrace offers refills of everyday consumer products without the use of plastic packaging, through their mobile and stationary refill stations.
- EcoTrace allows customers to refill necessities such as shampoo, detergent, cooking oil, and more at a reduced cost.
- EcoTrace was recently adopted by Unilever as a solution to reduce single-use plastics.

<https://www.ecotrace.ke/>



Green Joy: Grass Straws

- Green Joy produces compostable straws and utensils from natural grass that is native to the Mekong Delta.
- Grass Straws is a solution to the plastic waste problem. These grass straws are not only safe, but also 100% organic, scalable, rapidly generated, and sustainable with minimal energy and resources used during production.

<https://greenjoystraw.com/en/grass-straws>



Green Joy



Why Waste Wednesdays Foundation: Project Vikalp



- Project Vikalp, aims to reduce single-use plastic pollution through an innovative "Borrow a Bag" program.
- In collaboration with the Municipal Corporation of Delhi, Vikalp has set up nearly 1000 stalls in markets and public spaces where consumers can borrow reusable cloth bags for a refundable deposit.
- Each bag, made from recycled and surplus fabric, carries a QR code linking users to a network of return points, ensuring convenience and widespread participation.

<https://www.whywastewednesdays.com/vikalp>



Social Lab Environmental Solutions Private Limited : 3R solution

- 3R[®] is an end-to-end packaging reuse solution to urban local bodies and private businesses.
- Its is structured around Recovery of post-use packaging, Recondition, and supply for Reuse to the companies.
- 3R[®] works with paint and motor lubricant companies to map product distribution and establish take-back mechanisms for used containers.
- These containers are thoroughly cleaned, and quality tested using a patented process. Containers are provided with the unique digital ID that captures the lifecycle and then, containers are supplied to companies for reuse.

<https://3rsolutions.in/>



Salin PH: Salin Swap

- Salin Swap focuses on enabling brands and refilling stores to offer reusable container services without the hassle of maintaining them and providing consumers with their grocery essentials in reusable containers.
- This initiative aims to eliminate single-use plastics by offering businesses and consumers a waste-free alternative that is both affordable and accessible.
- Salin Swap aims to be the first end-to-end reuse-as-a-service model, integrating smart technology for efficient container tracking and management.

<https://salin.ph/>



IRefill

- IRefill is an early-stage company that specialises in designing and developing innovative Smart Refill dispensers, which aim to reduce the use of single-use plastics by providing a sustainable, reusable solution.
- Their IoT-connected vending system dispenses a range of FMCG products like grains, edible oils, dairy, personal care, and home care items.

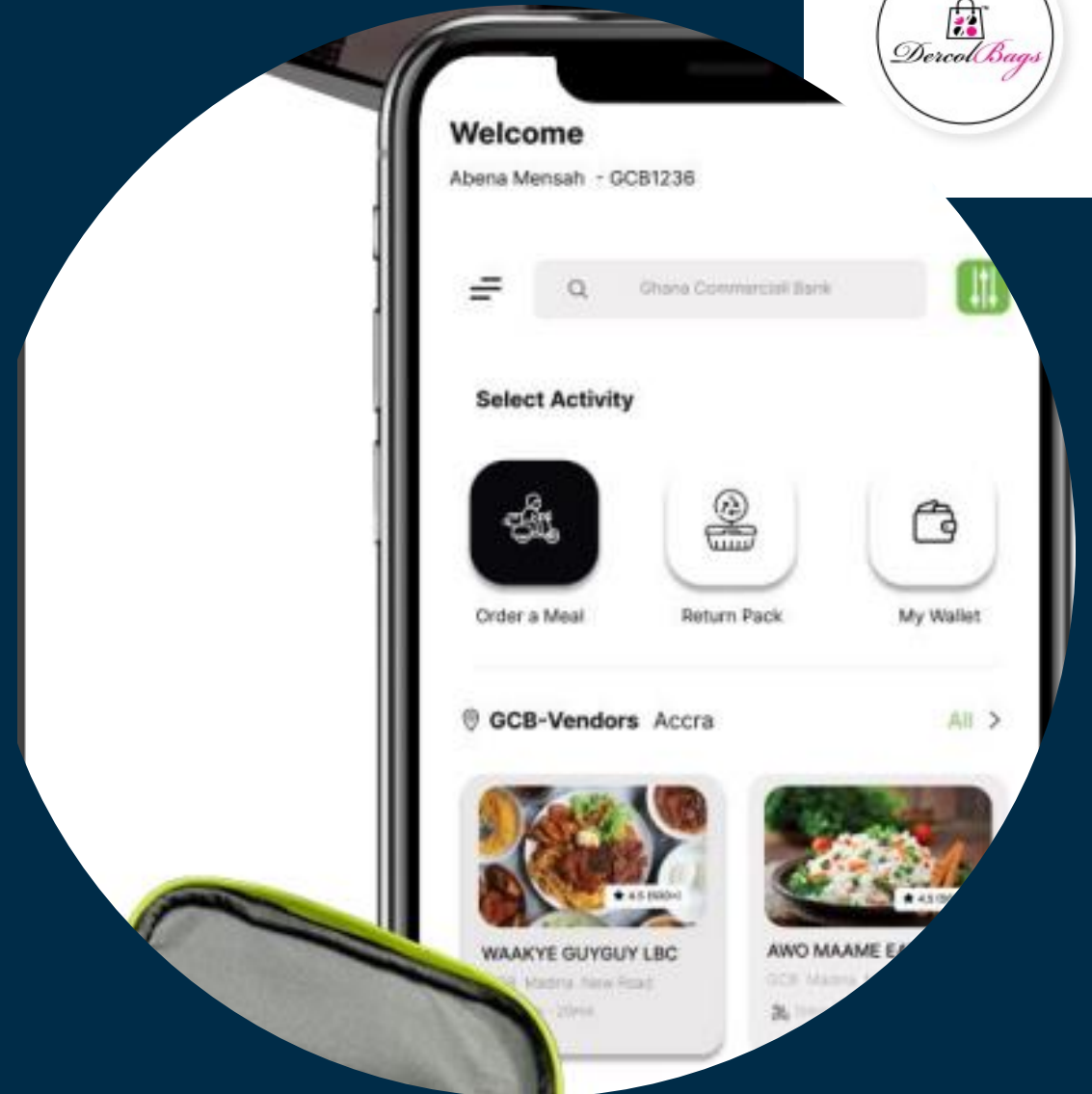
<https://www.irefill.in/>



DercolBags Packaging: Spex

- Smartpack Exchange (Spex) is an online food order and delivery platform by DercolBags Packaging Limited Company, a sustainable packaging firm empowering women entrepreneurs to replace single-use plastic packages with eco-friendly alternatives for a cleaner environment.
- Through the Spex platform, reusable packages are distributed to participating restaurants and food vendors. Participating offices or users receive their food in Smartpacks.

www.dercolbags.com



GIVO Ltd

- GIVO Ltd, a Nigerian company founded in 2019, aims to transform the plastic value chain by leveraging IoT technology to monitor material flows, emissions, and regulatory compliance, which fosters transparency and enables financial access for stakeholders.
- The GIVO Technology Platform (GTP) will use of suite of advanced technologies to track material flow, emissions and compliance enabling transparency & finance for the waste value chain. GTP is a tool for businesses as it enhances data quality & decision-making by connecting the dots in the plastic management supply chain.

<https://www.givo.africa/>



Ebusaka Green Technology Limited

- Ebusaka Green Technology Limited is a limited liability company in Zambia that provides a one-stop solution for all waste management needs.
- The Ebusaka app connect with garbage collectors, recycling facilities, and sustainable partners through its Ebusaka app.
- **Unique Approach:** Marketplace for waste management that streamlines operations, provides real-time data analytics
- The platform currently has 1700 and works with 5 collectors that can collect from 20000 households.



Centre for Competitive Skills: qarkonomi.al

- The circular economy platform is presented in Albanian and serves as a dynamic hub for companies, academic institutions, and communities to share resources, expertise, and best practices that advance circular economy principles.

<https://qarkonomi.al>



Meet the YEH I2P Team



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