LSM Ireland

EcoVend®

Smart solutions for on-the-go recycling

mrw
National Recycling
Awards 2021
FINALIST

Reconomy

Working
wards

EcoVend

Insert here

Voucher print

REVERSE VENDING
FOR RECYCLING EMPTY
BOTTLES&CANS&GLASS BOTTLE

Swap your empties for exciting rewards
RVM2000

Reverse vending is hugely successful

97%
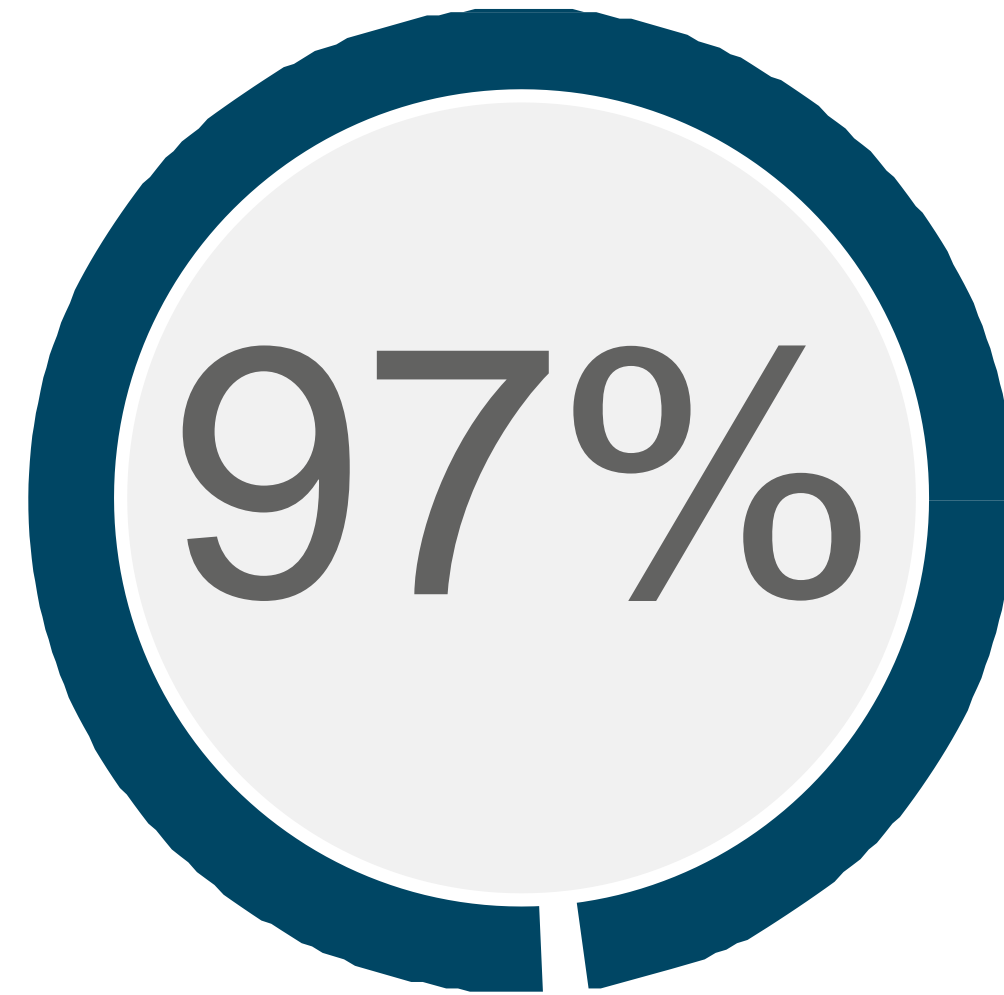
EUROPEAN SUCCESS

Norway, Germany, Croatia, Estonia, Sweden and Finland already have effective bottle deposit return schemes in place with up to 97% of waste recycled. Lithuania has managed to achieve a **93% return rate in just three years.**

84%

STATESIDE SUCCESS

In the US, at least eight states have statistics showing that due to a deposit scheme, beverage-related litter has been **reduced by between 70% and 84%.**

## BOTTLES RECYCLED
310,000
FIVE SITES
SIX MONTHS

UK SUCCESS

Iceland supermarkets reported a daily average of **2,583 bottles recycled** through reverse vending machines across **five trial sites**, with an average of **£250 in coupons refunded per day**.

EcoVend®

Why reverse vending?

Because conventional recycling methods from household and street bins in the UK and other countries only capture 60% of single use beverage containers. Reverse vending is designed for 'on the go' usage with far higher public engagement and is proven to achieve recycling rates of up to 95%.

- With conveniently located machines, It's a quick and easy way for consumers to recycle their empty beverage containers.

- Cleaner and more aesthetically pleasing than conventional bins.

- Not only are customers instantly rewarded for their efforts with a voucher, special offers, money back or a charity donation, they'll also benefit from the satisfaction of knowing their bottle will cease to be 'single use' ie cleanest loop

- With less plastic finding its way onto our streets and oceans, our wildlife, habitats and humans will all benefit from a cleaner environment.
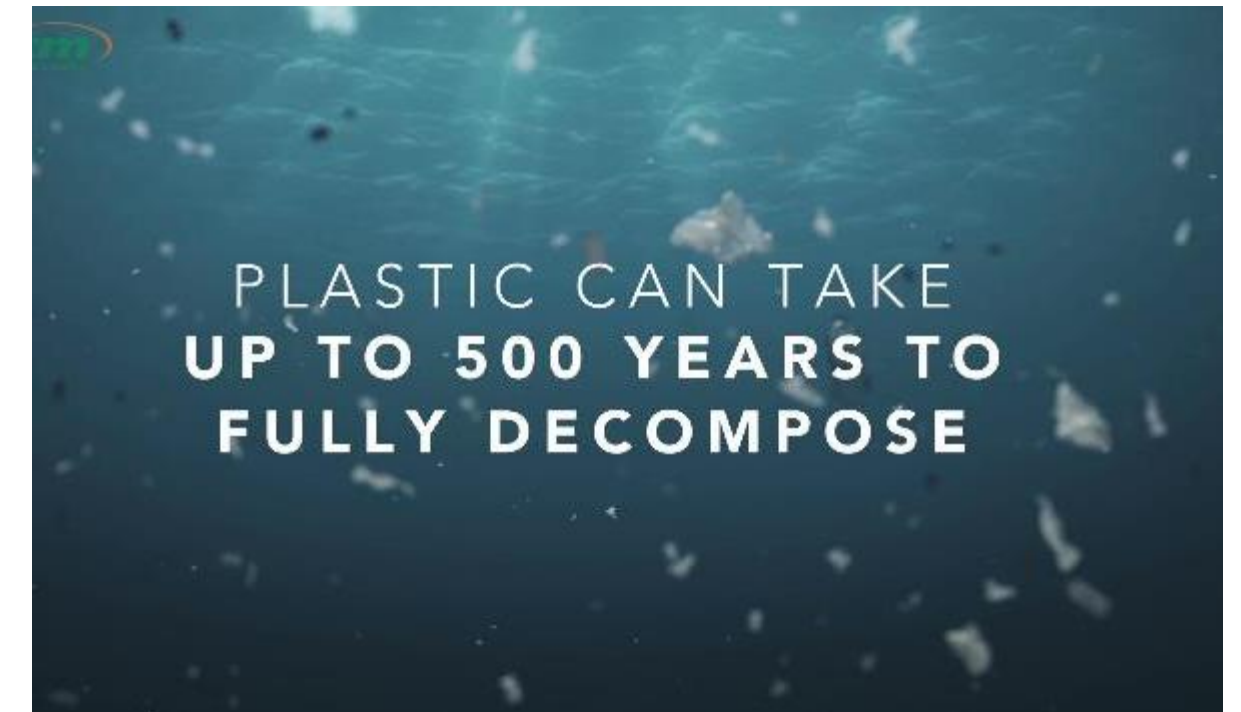
What is a reverse vending machine (RVM)?

A highly efficient recycling machine that is used by the general public to deposit empty single-use beverage containers in return for a monetary or non monetary reward.

Once the machines are filled, the compacted bottles and cans are collected for onward recycling.

RVMs provide a simple and effective solution to prevent beverage container waste from polluting our land and oceans.

How are they being used?

RVMs are being widely used in 38 countries - generally as part of **Deposit Return Schemes (DRS)** – and all reporting impressive levels of user engagement leading to up to 97% beverage container collection rate.

The Irish government has recently announced plans for a National DRS which is scheduled to begin in Ireland Febuary 2024.

How many RVMs will be required for DRS?

It's estimated that a **large number of** RVMs will be required for the full Irish implementation alone. Now is a great time for businesses to prepare and secure machines for their locations and stores.

EcoVend reverse vending machines can fulfil a variety of applications as part of a circular economy strategy. Our aim is to reduce pollution in the environment with a range of products that will enhance recycling collection rates.
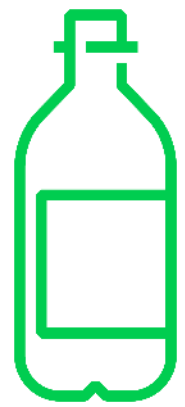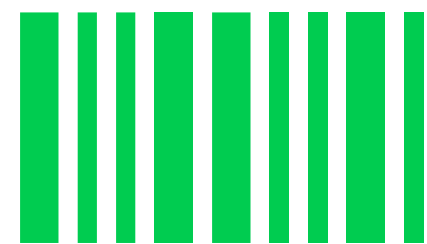

What can you expect from us?
High performance modern technology supported by dedicated after sales back-up

How do reverse vending machines work?

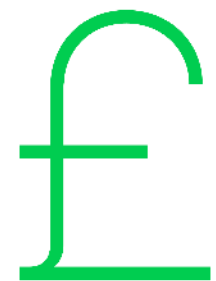Reverse vending is as easy as 1, 2, 3...

1. Load empty beverage containers into the chute

2. The barcode, shape & material are verified before being weighed and processed

3. The machine issues a reward voucher or a digital credit

Potential locations

EcoVend models are ideal for:

- Shopping centres and retail parks

- Holiday & leisure facilities

- Schools & universities

- Supermarkets & Convenience Stores

- Major transport hubs

- Motorway services & petrol stations

- Hospitals

- Office developments

Reduce waste management costs by up to **40**%

The benefits of our industry-leading RVMs

The EcoVend range features many unique technical innovations as well as cutting-edge functionality

Eye catching design for maximum user engagement

Fully touchless operation available to support virus control

Step-by-step user voice command option for accessibility

Advertising opportunities through centrally-controlled integral screens and backlit poster panels

'Simple by design' technology improves reliability and maintenance time

Easy, fast and safe cleaning – no technical knowledge required

Can be wrapped for commercial branding or public information purposes

Unlock incremental revenue opportunities

With digital screen sizes from 17" to 65" and backlit side panels on larger machines, there are great opportunities for branding and advertising across the range. All content and scheduling is run centrally through the management portal and can be localised to individual RVMs.

There are flexible options allowing you to generate additional revenue with no extra admin, or alternatively communicate your own brand messages and promotions:

Let us handle it for you

- We will manage all sales to national and local advertisers using an appointed specialist
- You have control of who advertises on the screen via a 'veto' list
- Content management and scheduling is taken care of
- Include your own selected messages in the rotation
- You receive a share of all advertising revenue (varies dependent on subscription)

Manage it yourself

- We set you up with access and training to schedule content in the management portal
- Extend your own marketing campaigns with high impact digital adverts
- Communicate messages on sustainability and the carbon footprint impact of your RVMs
- Promote products and offers from your own suppliers
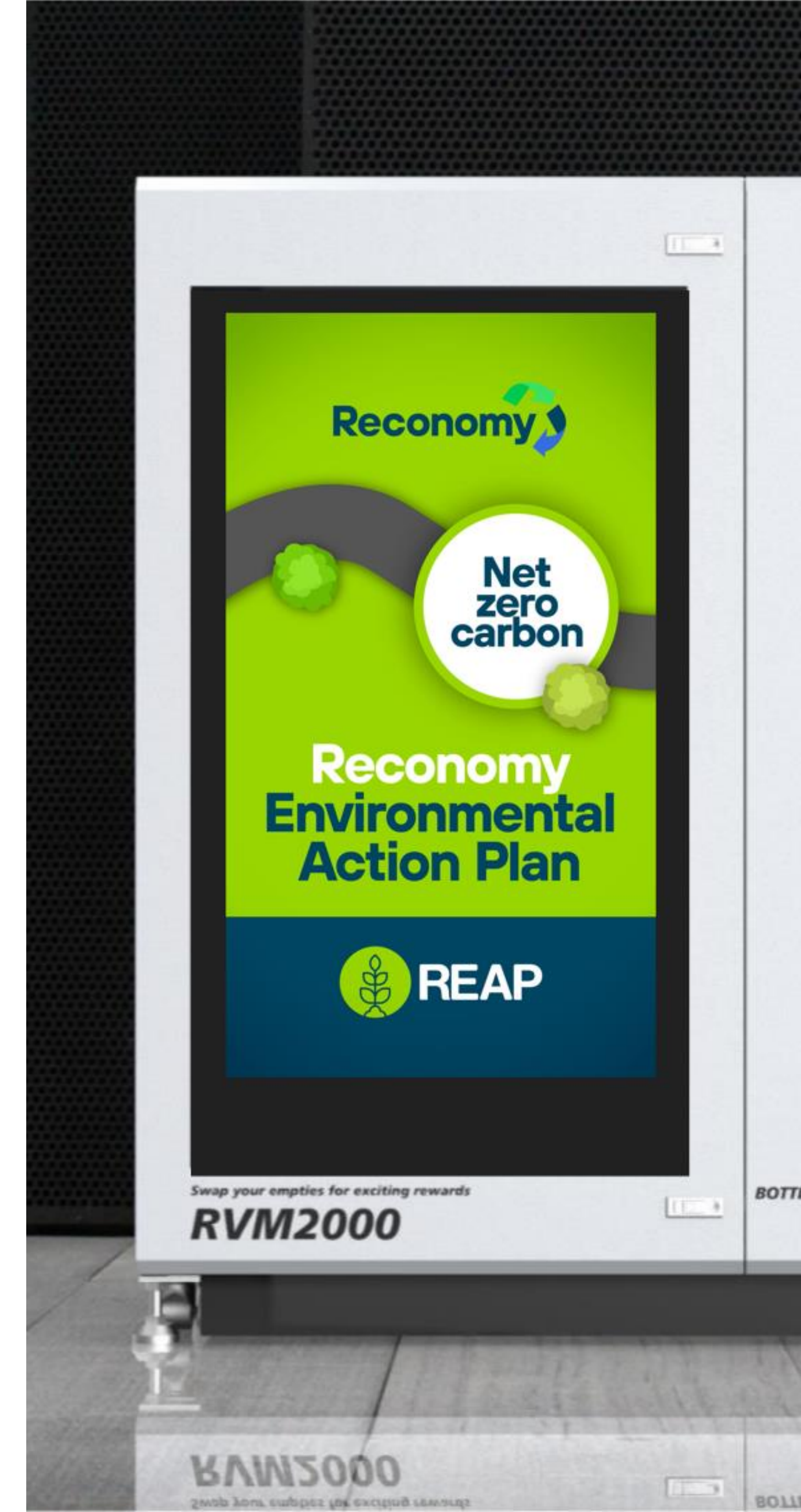
Management software highlights

Our EcoVend technology is provided with a robust cloud based management software interface that is both proprietary and designed specifically for our reverse vending technology. Key highlights include:

- The platform is provided as a cloud native, SaaS solution

- All data is transmitted and secured via SSL

- The platform supports two-way data synchronisation to ensure all consistent and "right first time" exchange of data

- The platform has been designed to be stable in weak network environments (high latency, high packet loss)

- We can support multiple methods of vision, weight, size, material etc. to detect recyclables

- The platform is capable of being expanded and customised to support both multi-regional localisation and to interface with third-party systems

- Our EcoVend bespoke reward app and platform can be utilised along with a range of other digital systems
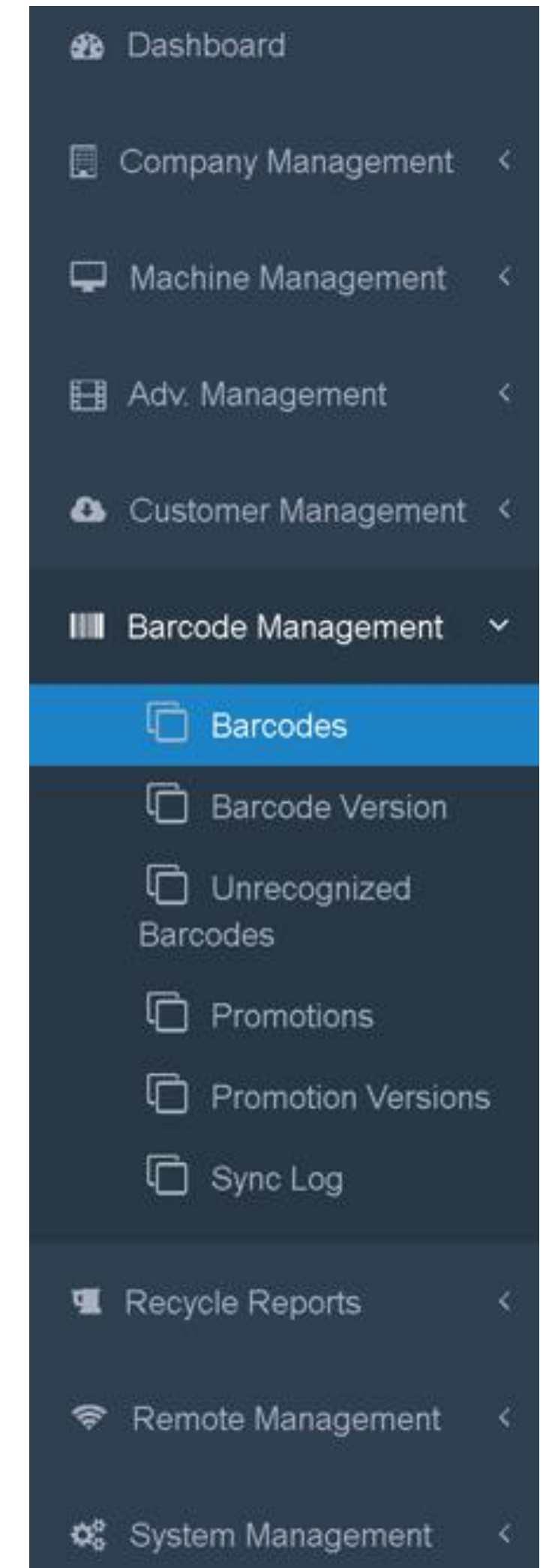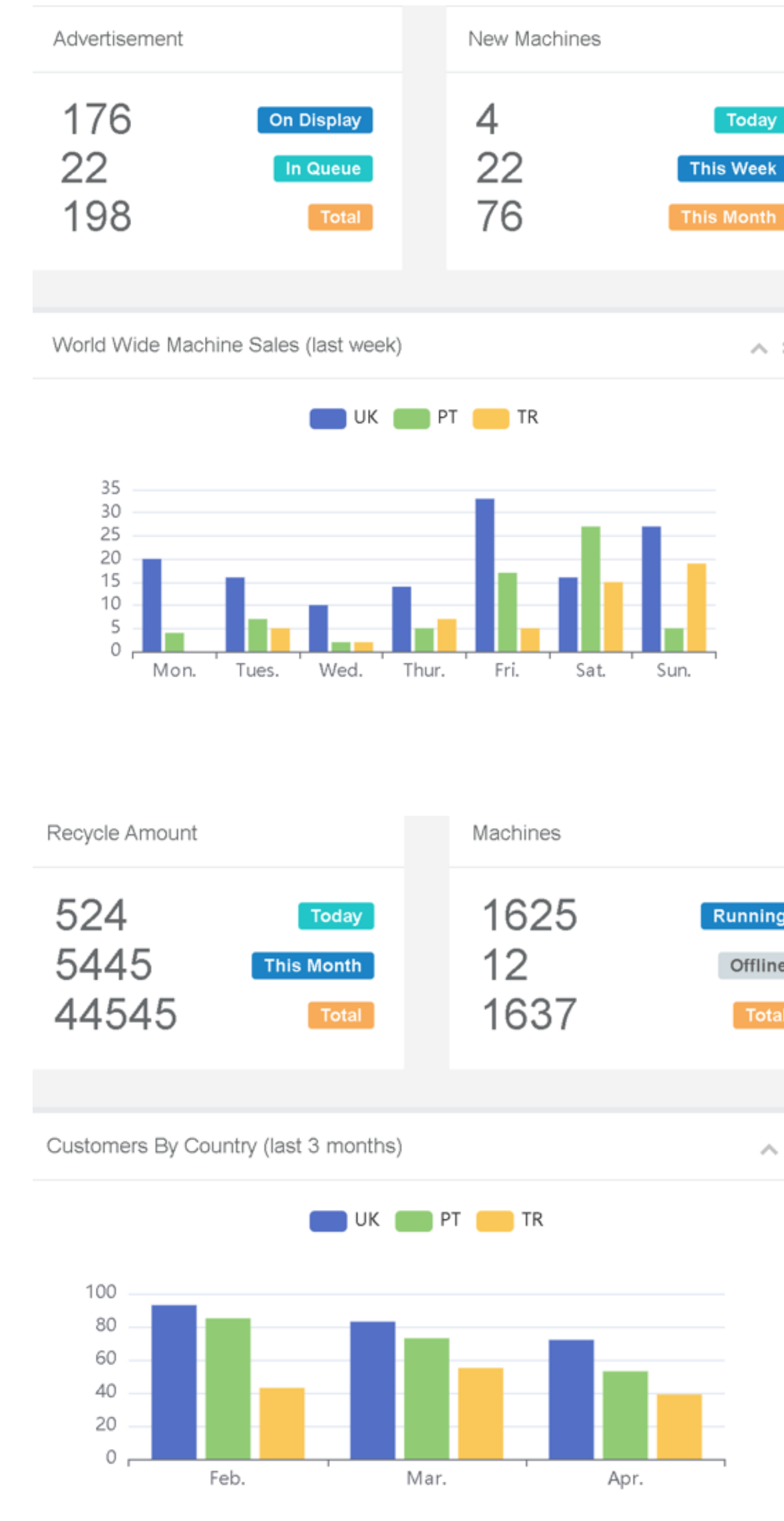
Warranty and maintenance

- 1 year with routine maintenance agreement

- Routine maintenance minimum 4 times per annum

- Standard comprehensive package minimum 4 times per

- 5 engineers plus 24 back-up engineers from two Portlaoise base

- Parts stocked across 5 vans nationally

- Fully maintained rental options

Connectivity Requirements

- Access to a steady internet connection is required, via either LAN or strong WIFI. This can either be your main network or a dedicated SSID.

- Guest networks are not recommended as these connections tend to have captive portals and/or 'throttled' bandwidth which will likely disrupt performance.

Usage

- The machines send and receive encrypted data from our management software via API using HTTPS protocols

- Regular data exchanges include usage metrics, barcode data and machine health ("heartbeats")

- The management software is used to distribute advertising/branding to the machines, which include high quality images and/or HD video files. These are one-time transfers which are retained within the machine itself for display

- The onboard technology is based on an Android platform and will also therefore require periodic updates, including security updates

EcoVend®
Product Range
Models and specifications

Model: EcoVend RVM100

Specification

Location:	Internal or external (under cover)
Dimensions:	1850 (H) x 650 (W) x 850mm (D) Footprint 0.55m² Tare weight 350Kg
Digital Screen:	Size of 11" to operate machine seamlessly and intuitively
Reward System:	Paper voucher, loyalty card, bank card or smartphone app
Material Types:	Plastic bottles and aluminium cans
Capacity Range	300 PET bottles or 450 cans (single chamber)
Container ID:	Barcode (360º Optional), shape, material, and weight
Container Size:	Maximum 3 litres
Compaction:	Powerful densification of each material
Power Supply:	13 amp
Productivity:	From 15 units per min to 40 units per min
IP Rating:	IP53 (but can be up-rated)

Model: EcoVend RVM200

Specification

Location:	Internal or external (under cover)
Dimensions:	1850 (H) x 850 (W) x 850mm (D) Footprint 0.81sqm Tare weight 380Kg

Digital Screen:	Size of 21" to operate machine whilst running video content
Reward System:	Paper voucher, loyalty card, bank card or smartphone app
Material Types:	Plastic bottles and aluminium cans
Capacity Range	250 - 500 Plastic, 350 – 700 cans
Container ID:	Barcode (360º Optional), shape, material, and weight
Container Size:	Maximum 3 litres
Compaction:	Powerful densification of each material

Power Supply:	13 amp
Productivity:	From 15 units per min to 40 units per min
IP Rating:	IP53 (but can be up-rated)

Model: EcoVend RVM400

Specification

Location:	Internal or external (under cover)
Dimensions:	1900 (H) x 1270 (W) x 1020mm (D) Footprint 1.29sqm Tare weight 460Kg
Large Screen:	Large 55" for video content and advertising potential plus 2 backlit side boxes
Digital Screen:	Size of 17" operates the machine whilst running video content
Reward System:	Paper voucher, loyalty card, bank card or smartphone app
Material Types:	Plastic bottles and aluminium cans
Capacity Range	500 - 1500 Plastic, 700 – 2000 cans
Container ID:	Barcode (360º Optional), shape, material, and weight
Container Size:	Maximum 3 litres
Compaction:	Powerful densification of each material
Power Supply:	13 amp
Productivity:	From 15 units per min to 40 units per min
IP Rating:	IP40 (but can be up-rated)

Model: EcoVend RVM1000 (Glass)

Specification

Location:	Internal or external (under cover)
Dimensions:	1850 (H) x 750 (W) x 850mm (D) Footprint 0.71m² Tare weight 350Kg
Digital Screen:	Size of 17" to operate machine whilst running video content
Reward System:	Paper voucher, loyalty card, bank card or smartphone app
Material Types:	Glass bottles only
Capacity Range	300 - 600 glass bottles (available soft drop or crushed)
Container ID:	Barcode (360º Optional), shape, material, and weight
Container Size:	Maximum 3 litres
Compaction:	Crushed or soft drop
Power Supply:	13 amp
Productivity:	From 15 units per min to 40 units per min
IP Rating:	IP53 (but can be up-rated)

Model: EcoVend RVM1500 Trio (Glass, Plastic & Aluminium)

Specification

Location:	Internal or external (under cover)
Dimensions:	1900 (H) x 1500 (W) x 1020mm (D) Footprint 1.53sqm Tare weight 525Kg
Large Screen:	Large 55" for video content and advertising potential plus 2 backlit side boxes
Digital Screen:	Size of 17" operates machine seamlessly and intuitively
Reward System:	Paper voucher, loyalty card, bank card or smartphone app
Material Types:	Glass bottles, plastic bottles & aluminium cans
Capacity Range:	400 - 1250 Plastic, 300 – 800 glass, 600 – 1500 cans
Container ID:	Barcode (360º Optional), shape, material, and weight
Container Size:	Maximum 3 litres
Compaction:	Powerful densification of PET & cans (glass crushed or soft drop)
Power Supply:	13 amp
Productivity:	From 15 units per min to 40 units per min
IP Rating:	IP40 (but can be up-rated)

Model: EcoVend RVM2000 Trio (Glass, Plastic & Aluminium)

Specification

Location:	Internal or external (under cover)
Dimensions:	1900 (H) x 2000 (W) x 1020mm (D) Footprint 2.04sqm Tare weight 550Kg
Large Screen:	Large 55" or 65" for video content and advertising potential plus 2 backlit side boxes
Digital Screen:	Size of 17" operates machine seamlessly and intuitively
Reward System:	Paper voucher, loyalty card, bank card or smartphone app
Material Types:	Glass bottles, plastic bottles & aluminium cans
Capacity Range:	500 - 1500 Plastic, 500 – 1000 glass, 700 – 2000 cans
Container ID:	Barcode (360º Optional), shape, material, and weight
Container Size:	Maximum 3 litres
Compaction:	Powerful densification of PET & cans (glass crushed or soft drop)
Power Supply:	13 amp
Productivity:	From 15 units per min to 40 units per min
IP Rating:	IP40 (but can be up-rated)

EcoVend RVM2000 at M&S Store Braeside
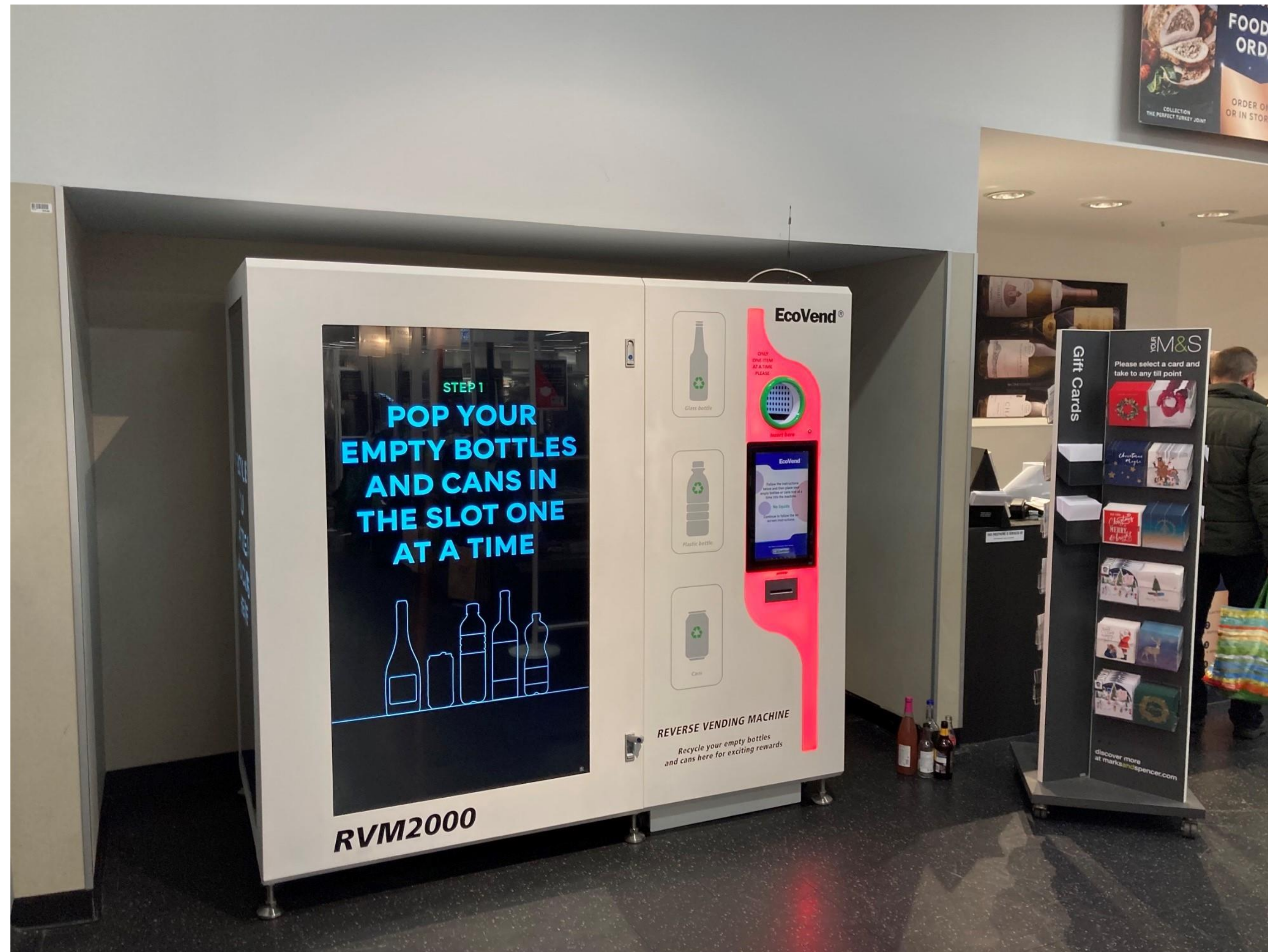
EcoVend RVM2000 within External Housing

The next generation of recycling - start today

For enquiries contact:

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