

1. GP Zero Waste Scotland



Zero Waste Scotland is funded to support delivery of the Scottish Government's circular economy strategy and the EU's Europe 2020 growth strategy.

The goal is to help Scotland reap the environmental, economic and social benefits of making best use of the world's limited natural resources.

ZWS mission is to influence and enable change – from gathering evidence and informing policy, to motivating practical behaviour change in individuals and organisations through our programmes and brands. Also making direct interventions to affect change, commonly in the form of finance, business support, technical advice, training and competence development or communications support.



2. GP The Scottish Institute for Remanufacture (SIR)



**Scottish Institute for
REMANUFACTURE**
Reuse, Repair and Reconditioning

The goal of the Scottish Institute for Remanufacture (SIR) is to accelerate the move to a Circular Economy in Scotland through **Product Remanufacture, Reconditioning, Repair and Reuse.**

The three objectives of SIR are:

1. Increase innovation through stimulating and co-funding collaborative projects between industry and HEIs.
2. Increase activity and engagement from the academic community to build capacity.
3. Establish the Scottish remanufacturing community.



3. GP The Edinburgh Remakery



The Edinburgh Remakery is a brand new project based in the heart of Leith, led by social enterprise Remade in Edinburgh. It offers to its customers, retail and workspace areas, with a focus on quality products and services, where they are able to:

- Buy refurbished computers and second-hand furniture.
- Donate second hand technology, textiles and furniture.
- Learn to fix textiles, computers, mobile phones, and furniture.
- Participate in skill-learning workshops and courses.

Working in partnership with the University of Edinburgh and CHAI, The Edinburgh Remakery is one of five RE-use and Repair Hubs located throughout Scotland, which has been made possible with funding granted by Zero Waste Scotland



4. GP CelluComp



Creating Curran®, an innovative paint additive that prevents cracking using food processing by-products.

CelluComp is a material science company producing Curran® - a nano-fibre product made from agri-food waste streams from root crop. As a mechanical enhancer with thickening properties, this product can be used to improve properties in many different products, such as paints and coatings and concrete. -



5. GP Jaw Brew



Works with Aulds family bakers to brew low-alcohol beer using leftover morning rolls.

RECYCLING

The spent grain from brewing goes to local farms to feed livestock and the hop residue is donated to a local gardening club for use as mulch. The hot water resulting from the heat exchanger output from cooling the wort after the boil is stored in the hot liquor tank ready for the next brew.



6. GP Kalopsia



Fashion and textiles professionals share space for sustainability

A new, innovative communal working space and sharing facility in Edinburgh's Ocean Terminal is helping fashion and textiles professionals work sustainably. Zero Waste Scotland supported the launch of The Facility, a place where students, graduates and start-up companies can work on design and production projects in a shared space.

Kalopsia strives to minimise the environmental impact of our business and manufacturing operations. Aware of the social and aesthetic impacts of design and production. Considering everything and everyone who is affected by the manufacturing.

Working with Zero Waste Scotland they have been developing resource efficient manufacturing techniques that are less wasteful. Recycling all possible fabric cuttings and encourage closed-loop production systems.

7. GP Celtic Renewables



Celtic Renewables is internationally regarded as one of the most innovative companies in sustainable biofuel. It is commercialising the production of biobutanol as an advanced biofuel (a direct replacement for petrol) from the copious residues of Scotland's most iconic export, the £4-billion malt whisky industry.



8. GP Mackie Automatic & Manual Transmissions

Glasgow-based Mackie Automatic & Manual Transmissions has been the UK's leading remanufacturer of automotive, industrial and marine transmissions since 1977.

The main focus for the business is car and commercial vehicle transmissions, with the potential to diversify into a range of other industries where transmissions are used, for example, wind energy, oil and gas extraction.



9. GP Horizon Proteins



Horizon Proteins is based at Heriot-Watt University and includes members from the School of Engineering and Physical Sciences and School of Life Sciences. Its vision is to transform under-used resources from food and drink industries, into higher value, sustainable, high-quality protein products. And it is not only about protein extraction.

Horizon Proteins aims to address the issues associated with by-product inefficiencies within the food and drink industries by offering integrated solutions that add value, increase energy efficiency and reduce carbon emissions associated with by-product processing.

