

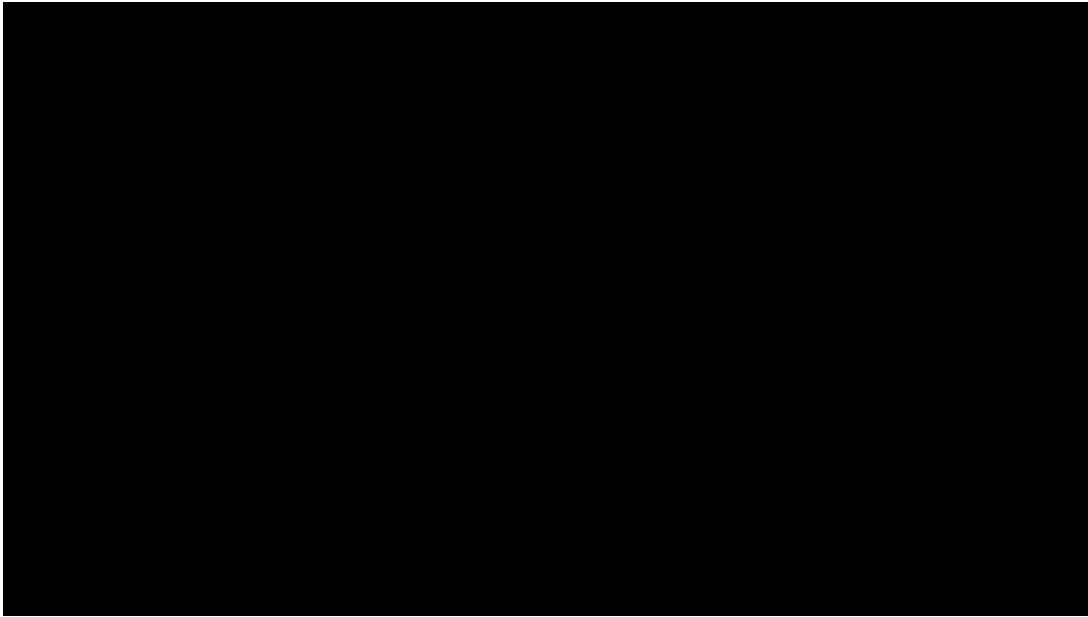


30th June 2021

GAP Group North East

A new approach to recycling

What we do and how we do it



This is what we do.

- Gateshead facility



Group Structure

- **GAP Waste** Collection and Processing of Electrical waste
- **GAP Organics:** Collection and Processing of Food & Organic waste
- **GAP Haulage:** National haulage solutions
- **GAP ICE:** Processing of Domestic, Commercial & Ammonia units to the highest standards set by WEEELABEX



- State of the art facility, capable of processing 700,000 units per year.
- Currently process – NEPO, Northumberland, Durham, Hull, Lancashire, Cumbria, North Yorkshire, Shropshire, Bradford, Scottish Borders, Ayrshire's, Merseyside, Republic of Ireland, BID and a percentage of Curries PC World.
- Achieved WEEELABEX standard June 2021 which future proofs' our plant



- First contract was the collection of Sunderland HWRC and WTS display
- 2013 we purchased a 5 acre site in felling to enable future development
- 2014 we installed a small domestic appliance shredding plant
- We now collect and process material from Yorkshire up to the Scottish Borders



Depolluting process



We work to BATRRT guidance & Annex VII of the WEEE directive.

Waste is depolluted prior to processing. This involves :

- Removal of Batteries
- Removal of toner cartridges
- Removal of cable
- Removal of high grade boards
- Removal of Oil (radiators)
- Removal of non WEEE items



Reuse (WEEE to EEE)

In accordance with the waste hierarchy, GAP endeavour to reuse material prior to processing or disposal.

Critically, the way material has been handled prior to collection, dramatically affects its potential for reuse. We are looking to expand into white goods reuse in 2022.



Cable granulation



Cable is either removed prior to treatment or picked off during treatment.

Cable is further shredded and then granulated where the copper and plastic is liberated.

Cable is now treated as hazardous material due to the POPs element within the plastic sleeving.



- Wardley Biogas - Anaerobic Digestion plant with depackaging facility. The only such facility in the Tyne and Wear area.
- GAP has a significant shareholding in the plant and has total exclusivity on feedstock input.
- Plant is capable of processing 80,000t of food and organic waste per annum.
- Working with LA's to assist with their 2023 obligation of household collections.



Legislation affecting GAP sector

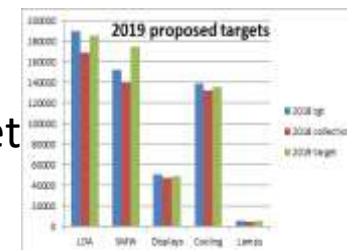
- Cooling - August 2022 stricter legislation will be implemented whereby fridge processing plants will need to capture over 95% of the **Ozone Depleting Substances** (ODS). Currently there are only 2 plants on the UK mainland (1 in Northern Ireland) who are meeting these standards. Many of the older plants will require significant investment in order to meet these new standards.
- SDA - Distributer Takeback Scheme (DTS). As of January 2021 any company selling over £100k in electrical products MUST offer a instore like for like takeback.
- Food - The Governments new Resources and Waste Strategy will require segregated food waste collections by July 2023 (NE will become chronically short of processing facilities).

Problems within our sector

- **Batteries** – Major risk of fire



- **Collection targets** – The UK continually struggles achieving the targets set



- **Policing of processing** – Must now operate to BATRRRT



- **Fly tipping** – Great problem then ever.



The future & Business Development

- **Precious and rare earth metals** - Working with commercial arm of Coventry University to recover these metals out of circuit boards using new process.
- **LiB** processing. New technology to recover the cobalt, lithium, Graphite, Nickel, copper
- Rigid (WEEE derived) **plastic processing**. Recover ABS, PS, PP & PE and also remove POPs element.
- Larger **Reuse** operation which incorporates all white goods
- Establishing a site in the **North West** of England (currently with lawyers)





Thank you for your time.

Peter Moody – 07832 327212

Creating a circular solutions for
our Children



time for **questions**

Any Questions?