

# Designing Your **Closed Loop System**



# The world has a Rubbish problem!



## We design systems and products to tackle this.

The Rubbish Project is focused on providing circular economy solutions with the ultimate goal of creating a waste-free world. We specialise in developing closed loop material supply chains, innovative recycling techniques and products made from rubbish.

**By working with you we can help your business close the loop,  
reduce your waste and create exciting products!**

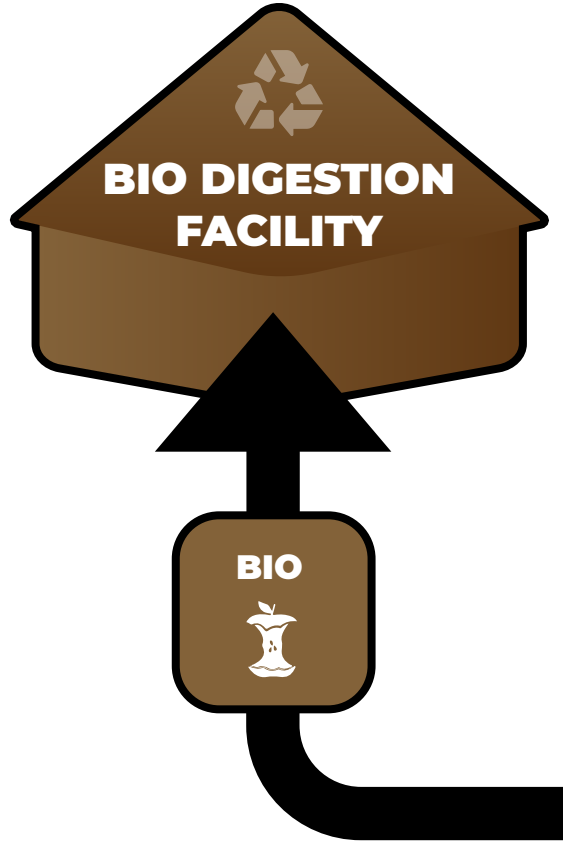


# System Design

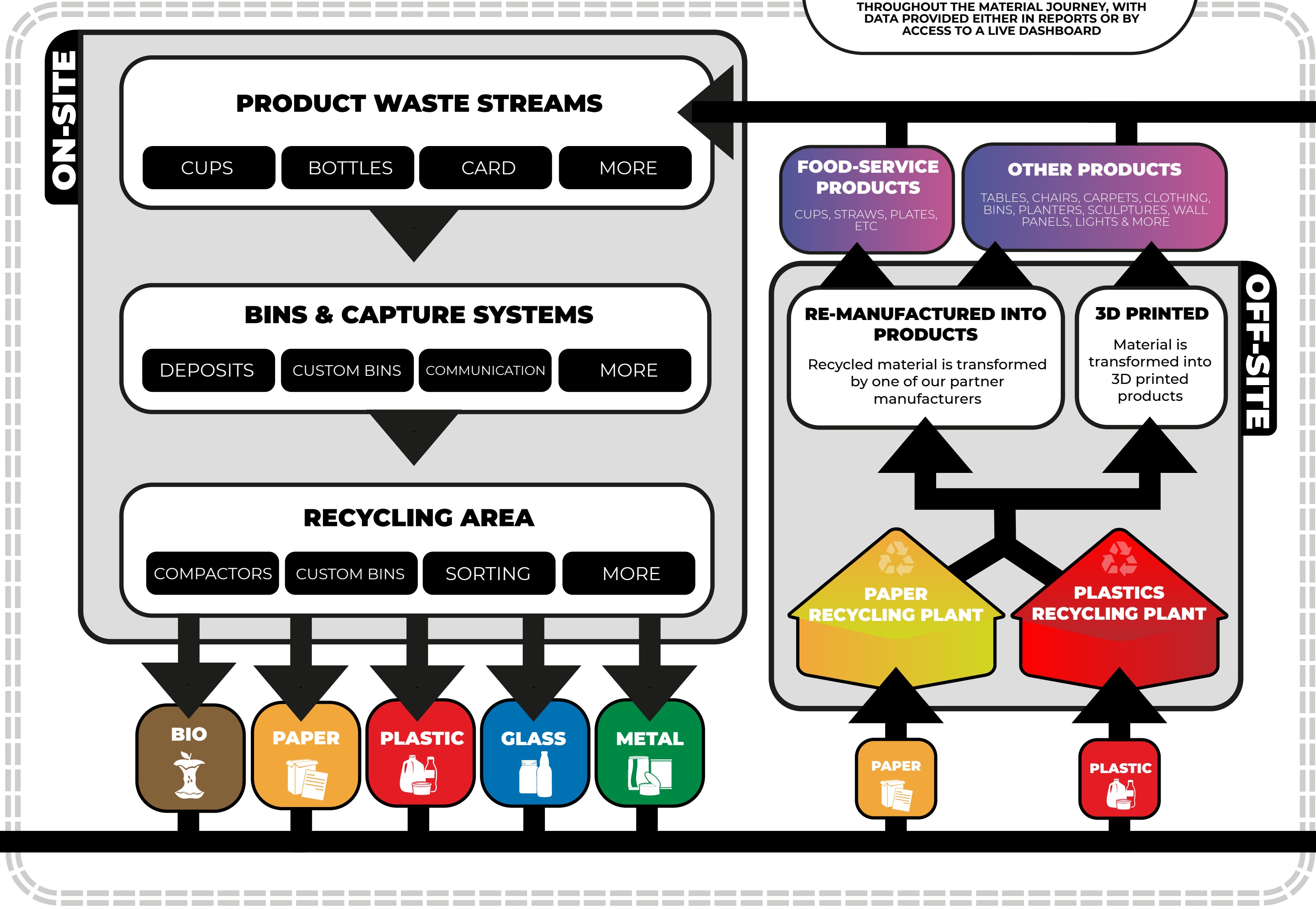


**Overview**

We design bespoke recycling systems for our clients, based on their specific needs. We will close the loop of your material supply chain, saving energy, water and waste along the way. This generic diagram gives an overview of the framework we use working alongside your existing waste contractor.

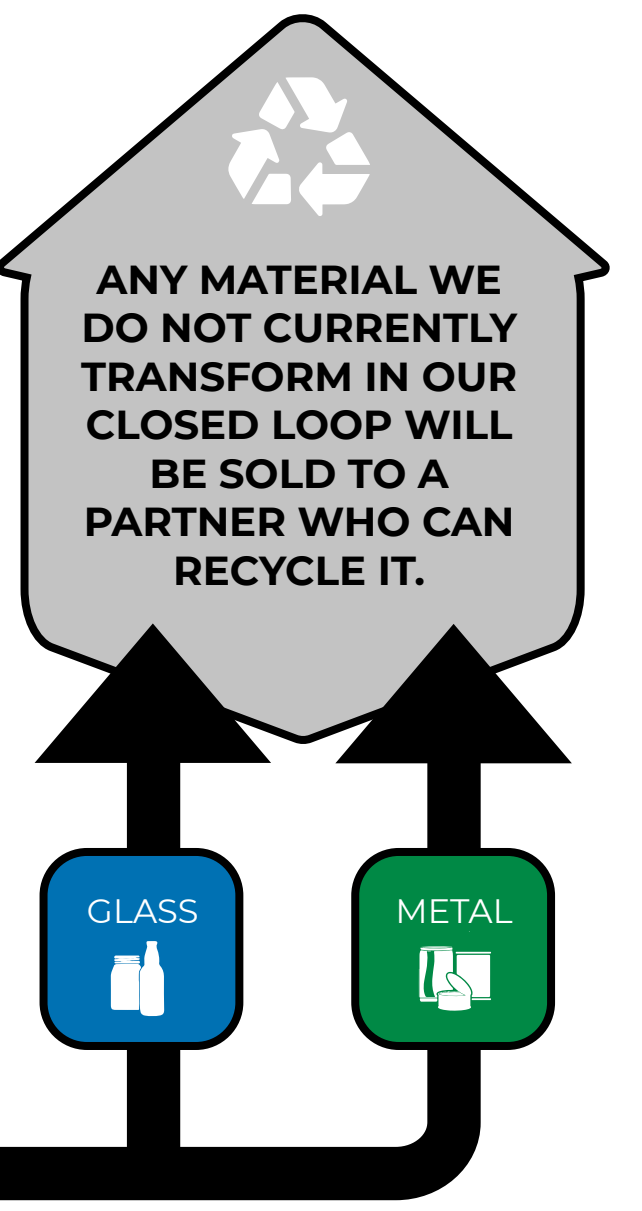


**MATERIAL TRACKING**  
TRACKING INFORMATION IS GATHERED THROUGHOUT THE MATERIAL JOURNEY, WITH DATA PROVIDED EITHER IN REPORTS OR BY ACCESS TO A LIVE DASHBOARD



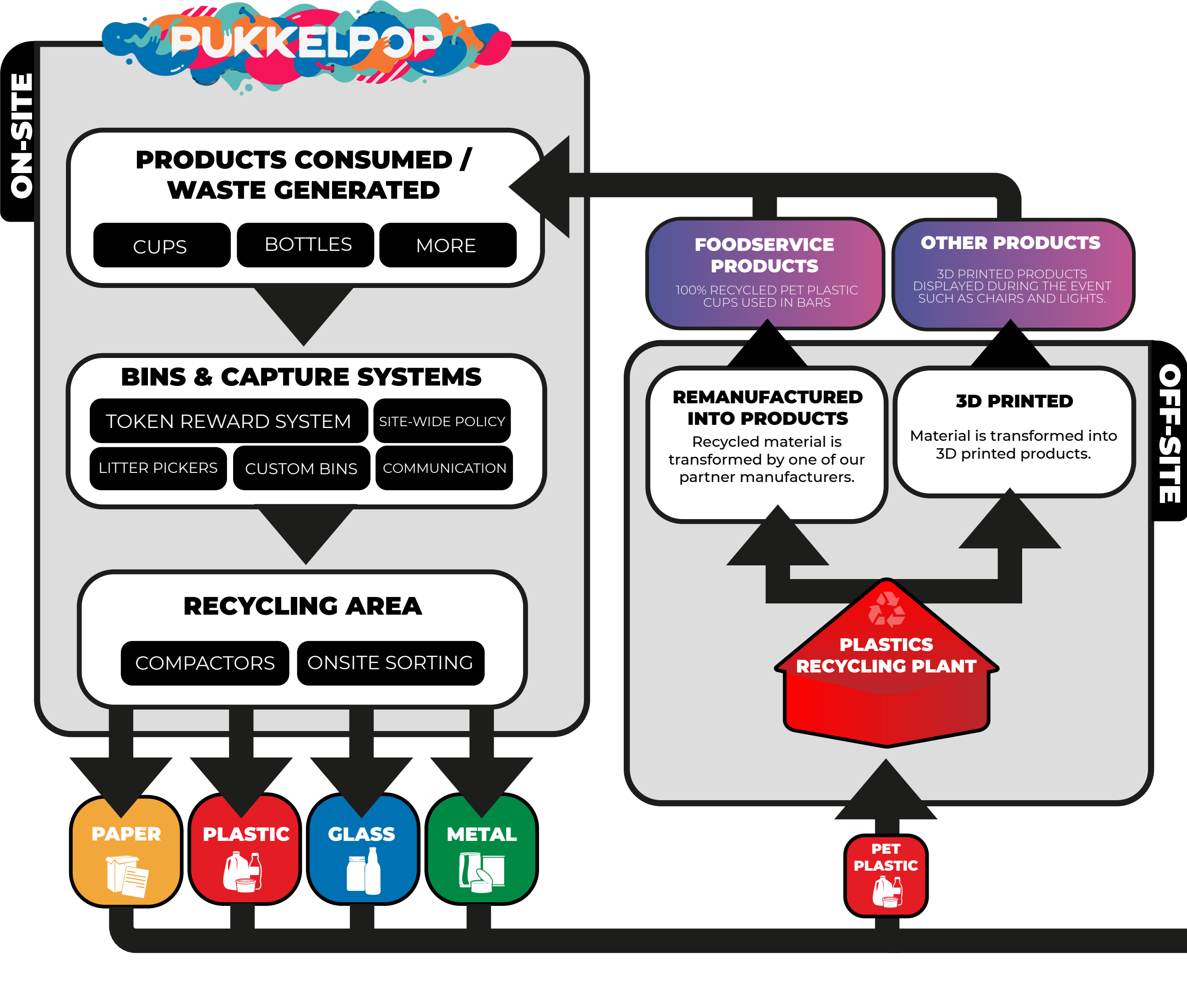
**EXCESS RAW MATERIAL & PRODUCTS SOLD TO OTHERS**

We will make products using your waste, which we will sell either to you or others. This will be a part of your closed loop story - knowing what happens throughout the lifecycle of your products.





# Example - PukkelPop Festival (2016, 2017, 2018, 2019)



## From cup to cup!

Around 7 tonnes of PET waste is collected from PukkelPop festival each year. This material is then used to produce cups which will be used at the next event. To capture the cups onsite we implemented a unique system comprised of litter pickers, custom bins, onsite sorting, communication & more.





# Product Waste Streams

## The products you consume define your waste streams

The more material types you use the more waste streams you'll have. This can make recycling harder. However, **we can work with you to reduce the number of waste streams, by recommending more single-material products, identifying the most recyclable products and optimising recycling systems to suit your waste profile.**

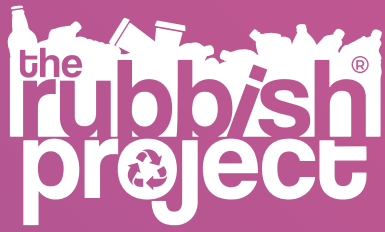
# Huhtamaki

**We work with Huhtamaki, the global specialists in food packaging.** They can supply you with a wide range of recyclable packaging and food-service products. Any PET plastics disposed of at your site can be directly recycled by them and made into new products.





# Bins & Capture Systems



## Increase recycling through good design

Designing the right capture system for your business or venues is the key to achieving high recycling rates. **We can work with you to design a bespoke capture system that achieves the best possible results.**

### CUSTOM BINS

Custom bins can be used to maximise capture rates. With a variety of choices, from temporary cardboard popups to 3D printed reusable containers. **We can provide the right bin for the situation.**



### RETURN SYSTEMS

We can design and establish return systems that work with your venue. This can help to both increase recycling rates and communicate your commitment to reducing your waste.



### LITTER TEAM

We can work with your existing waste management team, providing training or guidance where required. We can also provide litter picking teams for events to minimise the visible waste on site.



### COMMUNICATION

We offer both onsite and digital media to support and communicate the scheme to those on-site and other stakeholders. This improves both positive brand recognition and overall scheme participation.





# Recycling Area

## Managing your collected waste efficiently

**We can work with you to design or improve your on-site recycling area so that each waste stream is efficiently managed.** Using devices such as trash compactors can significantly reduce the cost of waste collection and increase on-site storage capacity.



## Using smart bins to improve traceability

**We can supply smart bins and compactors that provide live data on the waste they contain.** Collection of the waste can be arranged only when required as you will know exactly how full your bins are. These smart devices also contain RFID chips allowing live digital tracking of their journey.



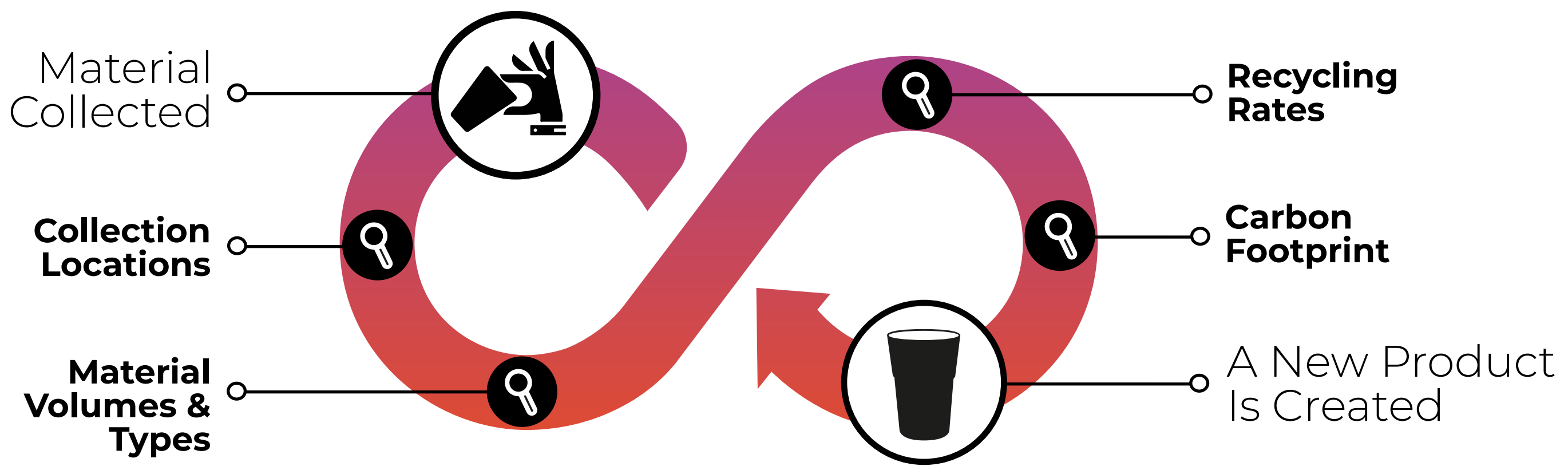
# Lifecycle Tracking



## Data is king!

We gather and analyse energy & waste data throughout the entire life-cycle from collection of material to the production of products and back again.

The live data is fed into a personalised dashboard, which can be viewed 24/7. This will enable you to track your goals, review your carbon footprint, prove the provenance of your materials, improve efficiency and demonstrate your commitment to a zero waste world.





# Recycled Products



## Products made from your waste!

We close the loop by making products from the recycled material we collect. **We design bespoke products for our clients which can include your branding and style.**

### Huhtamaki PRODUCTS

CUPS, PLATES, TRAYS, ETC...



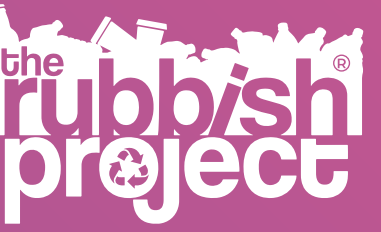
### OTHER PRODUCTS

TABLES, CHAIRS, SCULPTURES, CLOTHING, BINS, PLANTERS & MORE...





**Join Our Mission**



**Lets work together to make  
Rubbish a thing of the past**



Join our Circular Economy Today!



# Contact Us



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