

2nd edition

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# Bywaters

## recycling made easy

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### Hospitality Management



**Eliminating waste generation and maximising recycling opportunities in facilities & properties.**

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# Helping The Hospitality Venues stay sustainable all year around

Hospitality businesses tend to generate large volumes of waste, so it's important to manage and dispose of it correctly while following food safety and hygiene regulations. Bywaters offers total waste management services with quick, convenient collections, so your business can run efficiently.

Our state-of-the-art facilities can handle thousands of tonnes of waste daily, including glass, cardboard and food waste, which is sent to one of our partner facilities for anaerobic digestion. This process generates energy from waste instead of sending it to landfill.

Bywaters offers a first-class collection service handling all hospitality waste in the most sustainable way, helping every sector to reduce costs, minimise environmental impact, and increase recycling rates.



## Why us?



Solar powered  
facilities



Fleet of  
sustainable  
vehicles



Zero waste  
direct  
to landfill



Dedicated  
sustainability  
managers



Bespoke  
reporting



## Offering a range of waste management solutions to Hospitality Managers and Facilities

Bywaters has a long history of helping the hospitality sector, including restaurants, pubs, cafés and more implement sustainable waste management solutions.

When managing hospitality properties, such as hotels, resorts, and vacation rentals, property managers face unique challenges and require a waste management provider that can effectively handle all types of waste. At Bywaters, we ensure that nothing we collect goes to landfill, and our state-of-the-art facilities in East London are expertly equipped to sort all varieties of waste for recycling and recovery.

### Who are Bywaters?

Bywaters is London's leading sustainable waste management company. We send zero waste to landfill and work closely with our clients to increase their recycling rates and improve overall sustainability, reducing both costs and emissions at the same time. Whatever your waste management needs, we have the experience to help you enhance your sustainability.

Bywaters is more than a recycling company. Our vision is to lead the UK to a sustainable future, and everything we do is founded upon our commitment to improving the environment. Our team of sustainability executives work in partnership with our clients to have an instant impact, and we are always enhancing our own operations to reduce our own carbon footprint – whether that's by adding more electric vehicles to our fleet, or installing the 4,000 solar panels that power our facility in Bow.

We also give our clients access to our tailor-made BRAD reporting platform, which stores all of their waste data in one place.

This allows customers to monitor their environmental performance in real-time, including data on the total amount of waste produced, how much was recycled, and the CO2 savings made through recycling. Additionally, our team of sustainability executives are available to provide consultancy and support to help reduce emissions and increase recycling rates.



## Our services

Following the waste hierarchy, which prioritises Reduce, Reuse, Recycle, and Recover, we ensure all waste we process contributes to a sustainable future for both us and the planet.

### REDUCE

Championing waste reduction, our sustainability executives empower you to make a real environmental impact. We prioritise reduction, the top of the waste hierarchy, to help you tackle overconsumption and excessive consumerism through engaging initiatives like waste audits, staff training, awareness days, and beach cleanups. These efforts support you in reducing and offsetting your carbon footprint, while also contributing to cost savings for your facility or property.

### REUSE

By diverting reusable items from the waste stream, we give them a second life. We partner with various charities and businesses to find new homes for your unwanted items, preventing the extraction of virgin materials and reducing the carbon footprint associated with manufacturing new products. This helps sustain the environment for future generations, saves money, reduces the amount of waste needing to be recycled or sent to landfills, and allows products to be used to their fullest extent.

### RECYCLE

At Bywaters, recycling is at the core of what we do. Our facilities sort hundreds of thousands of tonnes of waste for recycling annually. We offer comprehensive services for all recyclables, from various glass grades to hazardous and confidential materials. Committed to responsible waste management, we ensure no waste goes directly to landfills. Whether you need a complete solution or just want to recycle specific materials, Bywaters is your one-stop shop.

### RECOVER

Bywaters have a zero waste direct to landfill policy. All non-recyclable waste collected by Bywaters' trucks is instead sent for recovery at Energy from Waste (EfW) facilities in London. Waste is incinerated at these facilities, and the resulting energy is used to generate electricity that helps power the UK's capital. This is the most sustainable way to handle both non-recyclable waste and a large percentage of clinical waste.

## Total waste management

We offer comprehensive waste management and recycling solutions for all industries, from small businesses like kebab shops to large venues like the O2 Arena. Our services encompass handling waste from its initial generation to its final disposal.



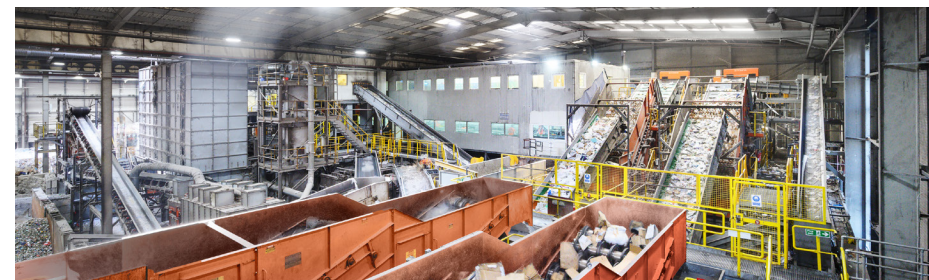
**Waste collection:** This involves gathering waste from businesses, and industries.

**Waste transportation:** Once collected, the waste is transported to facilities for further processing.

**Waste sorting and separation:** At the facilities, waste is sorted into different categories such as paper, plastic, metal, glass

**Waste recycling:** Recyclable materials are processed and sent to other facilities to be converted into new products.

**Waste disposal:** Bywaters sends zero waste direct to landfill. Waste that cannot be recycled is sent for incineration.



## What happens to your waste in Bywaters MRF

Operating within a vast space in East London, Bywaters 24/7 operations are a hub of activity. A constant flow of material from all over the UK is tipped in the impressive facility, which makes up London's largest undercover MRF. Capable of processing up to 650,000 tonnes of material a year, recovering over 95% to be recycled.

Once your waste is tipped, it is greeted by Bywaters friendly staff for inspection. Contaminated waste and non-recyclable waste is separated from the recyclable material and siloed to produce energy from waste. To reduce emissions, the waste is transported to the incinerator via barge.

After the inspection is complete, your waste is collected by 'the grab'. An automatic material picking machine that scoops bulk material and deposits it into two large rotating bag splitters, to remove any excess packaging.

Before your waste goes through a wild journey of spinning discs, speeding conveyor belts, infrared lasers and whirling magnets. Bywaters employees remove non-recyclable waste at the presort cabin, as well as any other residue that could obstruct the efficient processing of the dry recyclables.

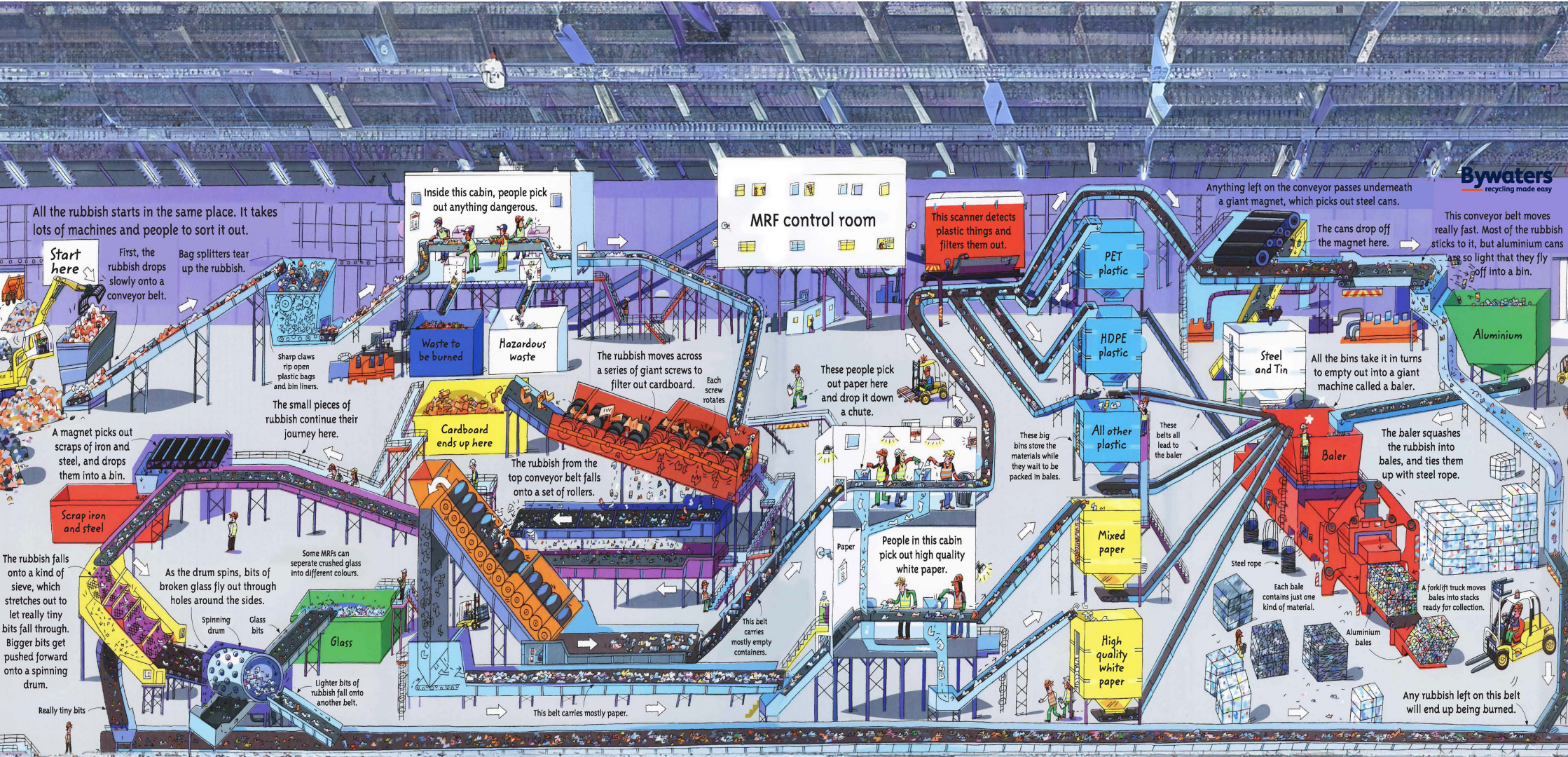
Bywaters state-of-the-art equipment works in harmony, taking mixed recyclables like metals, plastics and glass and sorting them to be turned into new products like cans, bottles and notepads.

Flying out of the cabin, the mixed recyclables speed on to a series of large screens designed to separate waste based on shape. First, an OOC (old corrugated cardboard) screen consisting of numerous giant rotating axles/gears simultaneously sorts large pieces of cardboard whilst extracting fine material to be used as aggregate in many local building projects.

A second screen is aligned at a steep 45-degree angle, the gyrating screws help separate 3D and 2D items. 2D items gain traction, climbing up the polishing screen to a final sorting cabin where the paper is sorted based on quality – whilst 3D items tumble down the screen in a spinning whirl of colour, leaving just plastics and metals to be separated.

Trundling along the conveyor belt, the 3D materials, mainly consisting of plastic and metal drinks containers, travel toward the high-tech "triple-level near-infrared optical sorting system". Using infrared lasers to read the material's chemical makeup, plastics are shot with a jet of air throwing them into the required silo, ensuring HDPE, PET and any other plastics are kept separate. An overband magnet attracts ferrous metals whilst an eddy current simultaneously repels non-ferrous metals like aluminium, sorting the materials ready to be baled.

The siloed materials are compressed and baled into blocks that can weigh up to 700kg. The baled material, which can be up to 99% pure, is sent to reprocessors, where it is cleaned and processed into brand new products that can be sold and reused, starting the process again.



All the rubbish starts in the same place. It takes lots of machines and people to sort it out.

Start here

First, the rubbish drops slowly onto a conveyor belt.

Bag splitters tear up the rubbish.

Sharp claws rip open plastic bags and bin liners.

The small pieces of rubbish continue their journey here.

A magnet picks out scraps of iron and steel, and drops them into a bin.

Scrap iron and steel

The rubbish falls onto a kind of sieve, which stretches out to let really tiny bits fall through. Bigger bits get pushed forward onto a spinning drum.

Really tiny bits

As the drum spins, bits of broken glass fly out through holes around the sides.

Spinning drum

Glass bits

Lighter bits of rubbish fall onto another belt.

Glass

Inside this cabin, people pick out anything dangerous.

Waste to be burned

Hazardous waste

The rubbish moves across a series of giant screws to filter out cardboard.

Each screw rotates

Cardboard ends up here

The rubbish from the top conveyor belt falls onto a set of rollers.

MRF control room

These people pick out paper here and drop it down a chute.

People in this cabin pick out high quality white paper.

Paper

This scanner detects plastic things and filters them out.

PET plastic

HDPE plastic

All other plastic

Mixed paper

High quality white paper

Anything left on the conveyor passes underneath a giant magnet, which picks out steel cans.

The cans drop off the magnet here.

Steel and Tin

All the bins take it in turns to empty out into a giant machine called a baler.

Baler

The baler squashes the rubbish into bales, and ties them up with steel rope.

Steel rope

Each bale contains just one kind of material.

Aluminium bales

A forklift truck moves bales into stacks ready for collection.

Aluminium

Any rubbish left on this belt will end up being burned.

This conveyor belt moves really fast. Most of the rubbish sticks to it, but aluminium cans are so light that they fly off into a bin.

Aluminium

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# Sustainability Executives & Activities

Think of our sustainability team as experts who are there to consult you on any sustainability related matter that could help your business increase recycling rates or lower its carbon footprint. At Bywaters, we're fully committed to sustainability. That's why each of our clients is assigned a dedicated sustainability expert as part of our service.

Whether you're a boutique café owner or a Fortune 500 powerhouse, your sustainability expert will help you minimise your company's environmental impact and keep costs down.



## Audits

Our sustainability team audits your waste streams, recommends improvements, and tailors a waste strategy for you.



## Waste Awareness Days

Learn by doing with Waste Awareness Days! Gain hands-on experience through engaging activities including sorting challenges and VR tours.



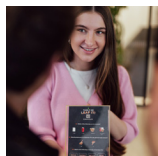
## Reporting

BRAD, our online platform, offers transparency into your waste data, including a recycling performance rating and actionable insights to help you improve your recycling.



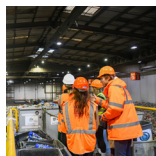
## Volunteering and community building opportunities

Clean up communities, fight food waste! Join our diverse volunteer projects: litter picks, beach cleans, and supporting charities.



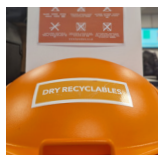
## Training

Level up waste management! Bespoke staff training & "Train the Trainer" empower long-term impact, ideal for sites and businesses with high turnover.



## Facility visits

Go behind the scenes! Take a guided tour of our Material recovery facility (MRF) and see how your waste gets a second life. Learn sustainable disposal tips firsthand.



## Signage

Recycle right every time. Our posters simplify sorting with color coded & clear instructions, and images. Customisable for any space and language.



## Sustainability webinars

Go green by joining our quarterly webinars! Learn about sustainability, engage with experts, and drive positive change in your facility.



## CASE STUDY

# How to make your coffee shop more sustainable

## Introduction

With the UK's commitment to reducing greenhouse gas emissions by 2050 under the sixth Carbon Budget, businesses across all sectors are striving to shrink their carbon footprints. The hospitality industry, particularly coffee shops, faces unique challenges in this regard. Many products used in coffee shops are not sustainable, and the waste generated, such as food waste and takeaway cups, is often difficult to recycle.

While large chains have the resources to implement eco-friendly practices, smaller coffee shops might not know where to begin. Here are some simple yet effective ways to make your coffee shop more sustainable.

## Understanding the Challenge

The coffee shop industry significantly contributes to environmental issues through non-recyclable waste, particularly coffee grounds and takeaway cups. The UK sends over half a million tonnes of coffee grounds to landfill each year, and more than 2.5 billion disposable cups are discarded annually. The production and disposal of these items contribute to greenhouse gas emissions and environmental degradation. Moreover, the reliance on dairy milk increases the carbon footprint of coffee shops, as dairy farming is resource-intensive and polluting.

## Solution

**Recycle Coffee Grounds:** Convert used grounds into biofuels or coffee logs, reducing landfill waste and carbon emissions.

**Offer Plant-Based Milk:** Stock alternatives like oat, soy, and almond milk, which have lower environmental impacts than dairy. Price these equally to encourage their use.

**Use Recyclable Cups:** Invest in 100% recyclable takeaway cups to ease disposal and minimise landfill contribution.

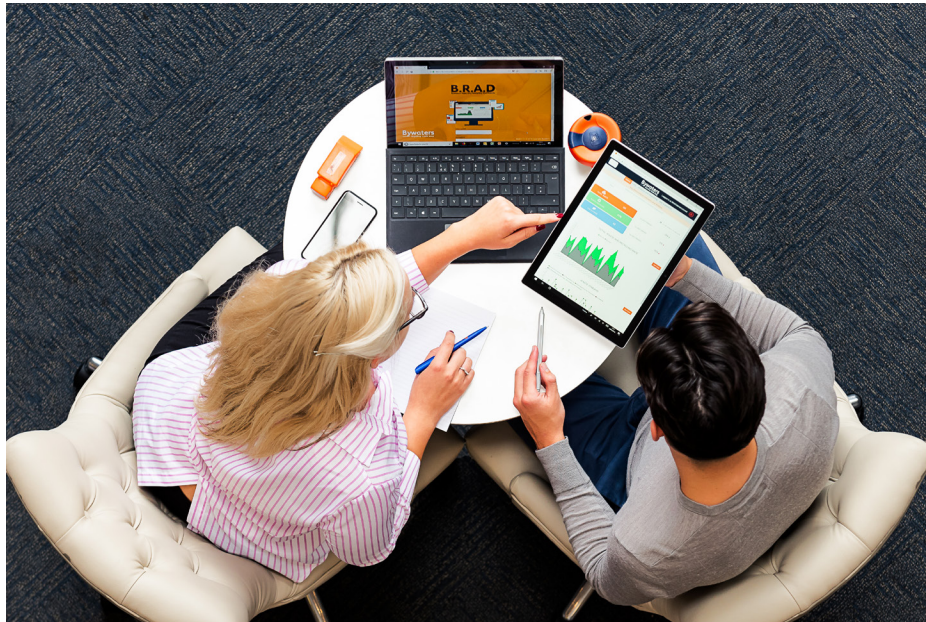
**Encourage Reusable Cups:** Offer discounts for customers who bring their own cups, or sell branded reusable cups to promote sustainability.

**Reduce Food Waste:** Donate surplus food to charities like The Felix Project to cut waste and help those in need.

## Results & Impact

Implementing these sustainable practices can lead to a significant reduction in waste and greenhouse gas emissions from your coffee shop. Recycled coffee grounds and plant-based milk can minimise carbon footprints, while recyclable cups and reusable cup incentives lower waste output. Additionally, reducing food waste by donating unused items supports charitable causes and showcases your shop's commitment to sustainability. footprint of coffee shops, as dairy farming is resource-intensive and polluting.

## BRAD



## Bywaters Reporting Analytics Dashboard (BRAD)

Bywaters clients can monitor their environmental performance in real time with our bespoke reporting tool, the Bywaters Reporting Analytics Dashboard (BRAD). Through this specialised platform, all our clients can access their waste management and recycling data at the touch of a button.

The Bywaters Reporting Analytics Dashboard allows you to find and download all information about your business' waste management, in a variety of formats to make everything easily digestible. Using BRAD, you can access your recycling data, contracts, compliance documentation, CO2 emissions information, waste transfer notes (WTNs), monthly reports, invoices, complete service history, and more.



## HOSPITALITY SUSTAINABILITY GUIDE

### Recycling Top Tips

1. The cost of food waste for the average pub is £8,000 each year. The average cost of avoidable food waste to a pub business is £0.41 per meal. Set up clear segregation for both front and back of house to avoid unnecessary charges.
2. Incorrect types and numbers of bins can lead to the wrong waste going in the wrong bin, such as recycling going in with general waste. Adjusting the size of bins or frequency that they are collected can also save money. Clear bags are also a great way of identifying contamination.
3. Flatpack all delivery boxes and used packaging, this will reduce the collection frequency significantly saving you money and reducing CO2 Emissions..

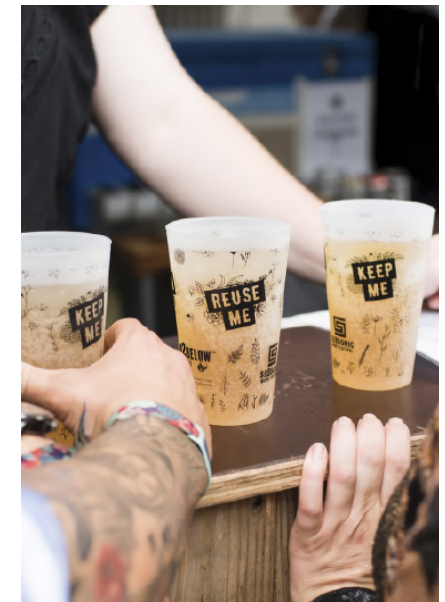
### Sustainable Serving

Use re-usable packaging and/or serve drinks on tap, e.g. reliable drinks bottles, draught beer, wine in carafes. Using reusable cups has a massive benefit to your organisation throughout this period. Not only are they cost-effective, but they're also far more durable, meaning less glass waste and can be cleaned and sterilised much quicker.

Reduce collections and costs by opting for a more sustainable solution!

### Waste Management Practices

To ensure responsible waste management, consider separating recyclable materials from general waste. Encourage customers to dispose of waste properly by providing clear instructions and ample disposal points. Bywaters continues to support businesses in adopting sustainable waste practices, helping to minimise environmental impact and promote a greener future.



# Bywaters tackling the 2.5bn disposable coffee cup issue

Approximately 2.5 billion coffee cups are used and thrown away each year in the UK.

## That's a 'latte' coffee cups!

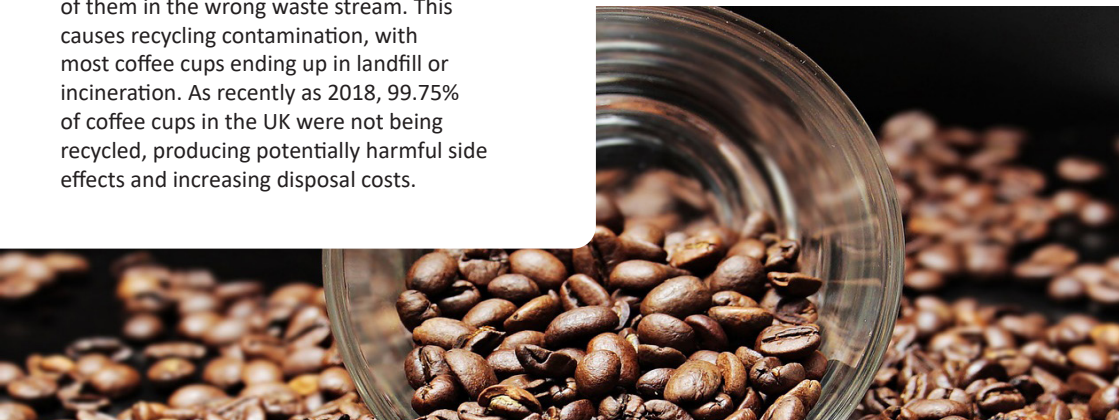
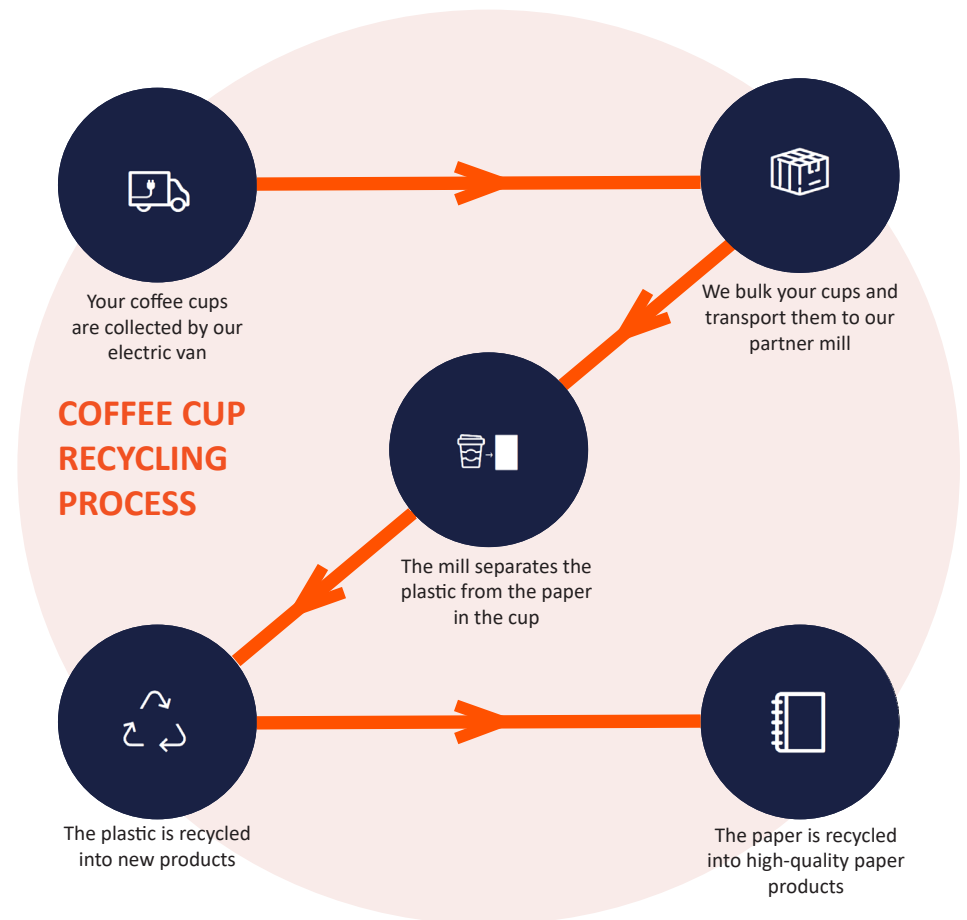
Coffee cups are a hidden villain in the recycling world due to their notorious makeup. Although predominantly made from paper, most coffee cups contain a polyethylene lining to build resistance against heat, allowing the cup to hold hot liquid and users to handle without any discomfort. Unfortunately, coffee cups containing the fused materials cannot be recycled at standard recycling plants.

Many people are unaware of the materials that make coffee cups and regularly dispose of them in the wrong waste stream. This causes recycling contamination, with most coffee cups ending up in landfill or incineration. As recently as 2018, 99.75% of coffee cups in the UK were not being recycled, producing potentially harmful side effects and increasing disposal costs.

To convert coffee cups into recyclable material the coffee cups need to go through a specific process to remove the plastic lining from the virgin paper.

Firstly, the coffee cups are collected by Bywaters' electric vans and bailed at their recycling facility, powered by 4000 solar panels. Once bailed the cups are transported to one of Bywaters partner mills which separates the paper from the plastic using a pulper. The materials are then sent to their own recycling stream where they are recycled into high quality products.

Tackling the issue head on, in 2019 Bywaters partnered with 'The Cup Fund', a grant funded by charity Hubbub and Starbucks, to implement a coffee cup recycling scheme at three of London's prestigious universities.





## What is Anaerobic Digestion?

### Turning food waste into sustainable energy

In the UK 14.8 million tons of food was discarded last year, of which 40% (5.92 million tons) was sent to landfill, according to Vision 2020's most recent study.

Food waste in landfill emits methane, a greenhouse gas that is 28 times more potent at trapping heat in our atmosphere than carbon dioxide. Methane amplifies the greenhouse effect and accelerates global warming, damaging our ecosystem.

Anaerobic digestion is an environmentally friendly alternative to landfills, which may sound complicated but it is fairly simple to understand. Anaerobic digestion is a natural process which allows microorganisms to break down organic matter, releasing biogas which is then captured and converted into renewable energy. Another byproduct of anaerobic digestion is the production of a fibre that is rich in nutrients and nitrogen, which can be used as fertiliser.

### The process

Bywaters Euro 6 Fleet vehicles collect your food waste and then directly transport it to our anaerobic digestion partner plant.

At anaerobic digestion plant food waste is pasteurised and pumped into temperature controlled digestion tanks void of oxygen. Microorganisms break down the biodegradable material in optimal conditions to digest food effectively, for 30-35 days.

When the digestion procedure is complete, the waste is separated into two different products, biogas and digestate.

The biogas transported to a generator to create electricity, which is used by the plant and exported to the national grid to provide power to communities.

Once the potential energy has been released, nutrient-rich digestates are left over, such as nitrogen, phosphate and potassium. These are suitable for fertiliser use, building materials and as an environmentally friendly filler to provide structure to composite plastics.

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# WE THINK IT'S TIME FOR CHANGE DO YOU?



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# A Decade of Action Tackling Food Waste

Bywaters look at the UN's second Sustainable Development Goal, and explore the ways that we can make the most of our food.

## Enough to go around

The UN's second Sustainable Development Goals concerns food and hunger – more specifically, the goal is to “end hunger, achieve food security and improved nutrition and promote sustainable agriculture” by 2030. UN stats from 2017 show that the number of under-nourished people in the world is growing, and sits at an estimated 821 million – that means around one person in every nine is not getting enough food.

It's common to think about hunger and starvation as things that happen elsewhere, but it's not just an international issue. According to food charity FareShare, 8.4 million people in the UK are struggling to eat; that's the equivalent of the entire population of London. And yet somehow, as a country, the UK throws away 4.5 million tonnes of food every year that could still have been eaten. Figures from WRAP show that this amount of serviceable food waste equates to 10 billion meals per annum, just going in the bin.

We are throwing away an incredible amount of food, while all across the country people are going hungry.





## Waste Not Want Not

As a recycling company we encounter a lot of food waste, and we deal with it in the most sustainable ways that we can, through anaerobic digestion, composting and biogas generation. These methods carry a lot of benefits, from providing fertiliser for agriculture to fuel for vehicles and energy for the National Grid, but even these sustainable options have an environmental impact. According to Trewin Restorick, Chief Executive of environmental charity Hubbub, "If food waste was a country, it would be the world's third biggest contributor to climate change."

Even worse, food thrown in general waste bins can cause loads to be contaminated, as too much grease or organic matter can make it extremely difficult to separate materials for recycling. If not thrown away properly in a segregated food bin, even small amounts of food waste can have massive adverse effects on recycling and sustainability.

These factors by themselves should be reason enough to reduce food waste. But the fact that a whopping 70% of the food that we throw away could have been eaten? That should really make us sit up in our seats. If we used all edible food that we currently throw away – all 4.5 million tonnes of it – not only would we be able to make 10 billion more meals with the same food costs, but it would offer a carbon saving equivalent to taking 2.4 million cars off the road for a year.

## From Bin to Banquet

Sometimes you end up with food you just can't use – but even then there are alternatives to throwing it in the bin. For example, food banks are always in need of donations and will use donated items to feed the needy. There are over 2,000 food banks across the UK, with numbers steadily rising, and they give out over a million packs of food supplies every year – a much worthier use for your food than the bin! The Trussell Trust is the largest food bank network in the UK and let you search for the nearest one to you via postcode, if you're looking for a way to get involved.

There are other charities trying to tackle waste food, too. Bywaters has worked with three of these recently, each one targeting a different part of the problem. Foodcycle uses surplus food from business and communities to make meals for the hungry and lonely, while Too Good To Go allows app users to order surplus food from stores and restaurants at discounted prices. Elysia, meanwhile, use surplus food for high-end events catering, transforming food that would've gone to waste into delicacies. There are ways to make a difference at every level.

The UN's target to end hunger and food waste by 2030 is an ambitious one, but necessary. Next time you're making a meal, or out shopping, take a minute to be mindful of how you can minimise your food waste, and what you can do to feed the hungry.



## Containers

### Bycycler Containers

Bywaters provides external containers in three different sizes for dry recyclables and non recyclables waste, which are colour-coded for easy identification. The available sizes are 240 litres, 770 litres, and 1100 litres. The containers are coloured orange and blue, designed to complement the entire Bycycler range. Furthermore, all of these containers are fully compatible with our dustcart fleet, ensuring efficient waste management and collection.



240 litre



770 litre



1100 litre



### Glass containers

Bywaters offers 240-litre containers for glass specifically designed for the recycling of mixed glass bottles and jars. These specialised containers are a part of our commitment to sustainable waste management, making it easy for individuals and businesses to participate in glass recycling efforts and contribute to a greener environment.



240 litre

## Food Containers

Bywaters offers a sustainable food recycling service that keeps your food waste out of landfill. Our durable, clean, secure, and purpose-built food waste wheelie bins come in two sizes: 120 litres and 240 litres.



120 litre



240 litre

## Confidential waste containers

Bywaters are pleased to offer the unique confidential secure container for all your confidential paper.

We offer a wide choice of secure solutions from security containers, sacks and seals, to enclosed lockable skips.



Confidential Bag



120 litre



240 litre



660 litre

## Confidential waste tags

Bywaters confidential waste containers come with optional waste tags for sorting different confidential waste types.



Media waste only



Confidential paper only (small)



Confidential paper only (large)

## Battery Containers

Bywaters makes battery recycling easy with our Box and Tube containers, which are durable and compact containers for recycling portable (household) batteries.



Battery box



Battery tube

## WEEE & Fluorescent Tube Containers

We offer a wide range of containers to our clients, enabling them to recycle their WEEE waste efficiently. These specialised containers are designed to accommodate different types of WEEE waste, ensuring proper separation and disposal of electronic and electrical equipment.



WEEE Box



Fluorescent Tube Station

## Internal Containers

The Bicycler internal containers make it easy for staff to recycle at source and are ideal for offices looking to maximise their recycling and minimise their effort.



Essential Bin



U Bin



Stark Bin



Bin soft close



Combi bin



Contemporary

## External containers

### Skip Containers

Bywaters can provide a range of skips from 4 to 12 cubic yards (3 to 9.2 cubic metres) in capacity, perfect for disposing of bulky household waste such as furniture, garden waste, and building materials.



### Rear End Loading (REL) Containers

Bywaters offers REL containers for dry recyclables and residual waste, colour-coded orange and blue to work in conjunction with the full Bycycler range. REL containers are easily loaded through waist-height rear doors. They also have Duraflex lids with front access. Those containers with Duraflex lids are lockable. They come as 8, 12, 16 yard containers.



### Rolonof Containers

Bywaters can provide a range of open and enclosed roll-on/roll-off containers in the following sizes: 15, 30 and 40 cubic yards. The 15 cubic yard container is particularly appropriate for heavy loads due to its low sides for ease of loading. The larger containers are walk-in and are suitable for bulky waste or when more capacity is needed.



### Baby Hooklift Containers

These containers can be delivered on a baby hooklift vehicle and are therefore ideal for areas with space, height or weight limitations.

These containers feature 'barn door' walk-in access. They are fully enclosed and lockable, offering secure storage and are particularly suitable for large bulky items that may not fit into a standard skip container. The open door allows items to be wheeled in if desired.



## Compactors

A waste compactor is a machine that compresses waste into manageable volumes. This process offers several advantages: efficient use of space, fewer collections, reduced costs, as well as a lower environmental impact.

Bywaters offers these to our clients with facilities that produce large amounts of waste.

Our compactor options vary to suit our clients' specific requirements, from compact portable models to larger industrial units.

### Skip Compactors

Bywaters specialises in compaction systems and holds the largest stock in the London area. These portable compactors are integral units incorporating the container and compaction unit.

Our compactors are fully supported by our team of compactor engineers who service and maintain our equipment to the highest standards.



### Baby Hook Compactor

Much like the skip compactor, this baby hook compactor is also available with manual loading. This compactor also benefits from having its cylinders tucked away, ensuring that they do not need to be deep cleaned. This compactor is suitable for all waste types.



### The POD

The Pod, smaller than traditional compactors, fits into confined spaces where most don't. It comprises two sections - the Pod and the Compaction unit - allowing for easy exchange of full Pods during collection. It can compact up to four tonnes of material, equivalent to 24-30 1100L bins, while occupying the space of only six bins. When space is limited but waste production is high, the Pod System offers an ideal solution.



## Compactors

### Static Compactor

On-site static compactors are heavy-duty machines, explicitly designed for compacting large volumes of dense waste material into a smaller physical space. For businesses of all sizes, a static waste compactor can provide a variety of advantages and are a more efficient alternative to bins and skips.



### Balers

These are typically found in recycling facilities or businesses that generate a lot of waste. They compress materials like cardboard, plastic, metal cans, or paper into dense cubes. This reduces the volume of the waste, making it easier to transport and store.



### In-Bin Compactor

Bywaters offers 1100-liter in-bin compactors for general and recyclable materials, perfect for limited space. Specifically designed for durability, cleanliness, and security, these compactors offer a lasting and safe waste solution. With up to four times increased volumes per bin, maximum payloads are achieved without additional space requirements.



## Innovations

### Weightron

Weightron is specially designed on-site weighing solution. It provides accurate and detailed data of their liking to help you with a wide range of issues, including monitoring recycling, monitoring financial waste information for multi-level sites and giving you clear indications for developing clear auditing plans.

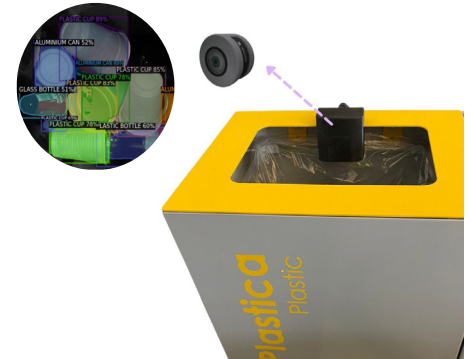
To complement the Byweigh system, Bywaters are able to create tailored



barcoded stickers for each tenant or floor (dependent on your requirements). The barcode data is pre-programmed into the Byweigh system to enable data streaming, making the Byweigh system a convenient and easy way to keep track of all your waste.

### Nando AI

Nando uses AI technology to reduce environmental impact by monitoring waste produced by weight and type as well as picking up on any contamination. This data can be used to identify the most common cause of contamination as well as providing the information required to increase environmental sustainability.



### ORCA

ORCA is an innovative new technology designed to process your food waste on site; reducing vehicle movements, minimising CO<sub>2</sub> emissions and eliminating bad odours. This versatile system helps you to take control of your kitchen, reducing wastage through detailed reporting and cutting-edge technology. Mimicking the natural digestion process, ORCA mixes your food waste with microorganisms within a compact container. Once digested, all that is left is a liquid which is safely expelled down your waste pipe.



## Awards

Bywaters' commitment to sustainable waste management has been recognised through numerous awards over the years, a testament to our dedication to continuous improvement. These accolades not only validate our efforts but also highlight the impact achieved in collaboration with our valued clients.

We take pride in partnering with clients to win awards. Bywaters approaches each contract as a true partnership, working hand-in-hand to enhance sustainability, boost recycling rates, and champion environmental initiatives. These shared successes demonstrate the power of collaboration in driving positive environmental change.

A selection of awards we have won:



## Accreditations

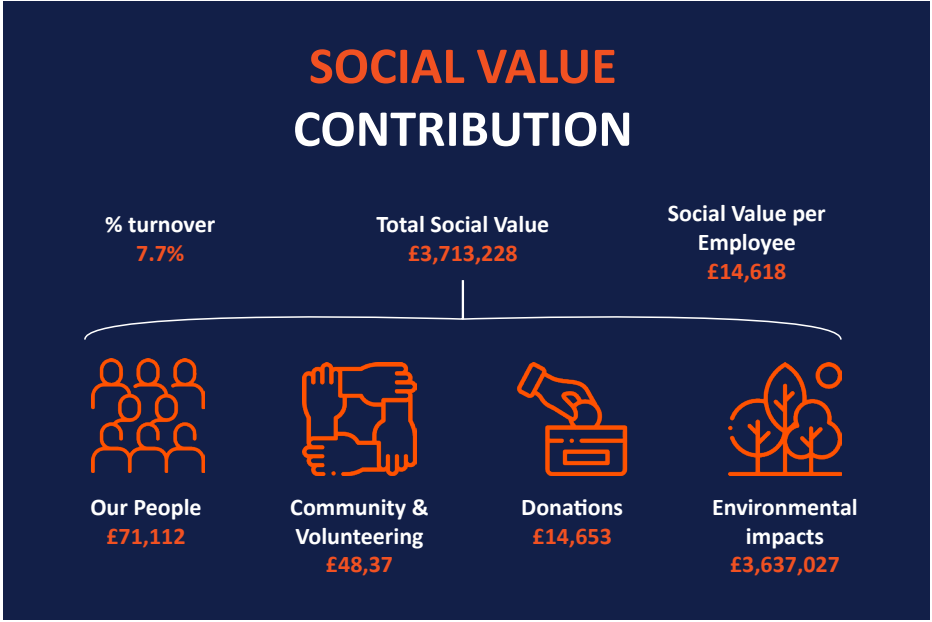
Bywaters is fully compliant with all relevant waste management and sustainability legislation, and we have also attained a variety of accreditations for going above and beyond these requirements.





## Corporate Social Responsibility (CSR) & Environmental, Social and Governance

Corporate Social Responsibility (CSR) and Environmental, Social, and Governance (ESG) are central to Bywaters' mission. We strive to provide the most sustainable waste management solutions possible while collaborating with our clients and select charities to build a more sustainable society. We participate in a multitude of initiatives and partner with multiple charities to achieve this goal!



Charities we work with:



