

2nd edition

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Bywaters

recycling made easy

Events Waste Management



Eliminating waste generation and maximising recycling opportunities in your events.

www.bywaters.co.uk
enquiries@bywaters.co.uk
020 7001 6000

Offering a range of waste management solutions to make events more sustainable

Combining first-class customer service and industry-leading facilities, Bywaters offers waste management services for events across the nation. We can handle your event waste management and ensure a smooth-running and successful event.

Whether you're organising a multi-day festival or a corporate event, Bywaters' event waste management services can take charge of the clean-up effort, offering bins of all sizes and convenient collection.

When it comes to event waste management, you need a provider with the knowledge, passion, and experience to handle any scenario.

Bywaters offers specialist recycling services for different event waste streams, such as food, coffee cups, and glass. We work with various business sectors, helping our clients manage their event waste, while increasing recycling rates and reducing costs.

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.

Some of our event partners:

The O2 Arena

Wimbledon

ExCel London

Leyton Orient F.C.



EXCEL
LONDON



Event Partners

The O₂ Arena



The O2 Arena is a multi-purpose indoor arena in the centre of The O2 entertainment complex on the Greenwich Peninsula in southeast London. It opened in its present form in 2007. It has the second-highest seating capacity of any indoor venue in the United Kingdom, behind the Manchester Arena, and in 2008 was the world's busiest music arena.



ExCel London



ExCeL London (an abbreviation for Exhibition Centre London) is an international exhibition and convention centre in the Custom House area of Newham, East London. The facility is situated on a 100-acre (0.40 km²) site on the northern quay of the Royal Victoria Dock in London Docklands, located between Canary Wharf and London City Airport.



Wimbledon



The Championships, commonly known simply as Wimbledon, is the oldest tennis tournament in the world and is regarded by many as the most prestigious. It has been held at the All England Lawn Tennis and Croquet Club in Wimbledon, London, since 1877 and is played on outdoor grass courts, with retractable roofs over the two main courts since 2019.

Leyton Orient F.C.



Leyton Orient Football Club is a professional football club based in London, England, who compete in League Two, the fourth tier of the English football league system. They are the second oldest football club in London to play at a professional level, and are known to their fans by their nickname "the O's". The club's home colours are all red. They have played home matches at Brisbane Road since 1937, having previously played at Millfields and Lea Bridge Road.



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.

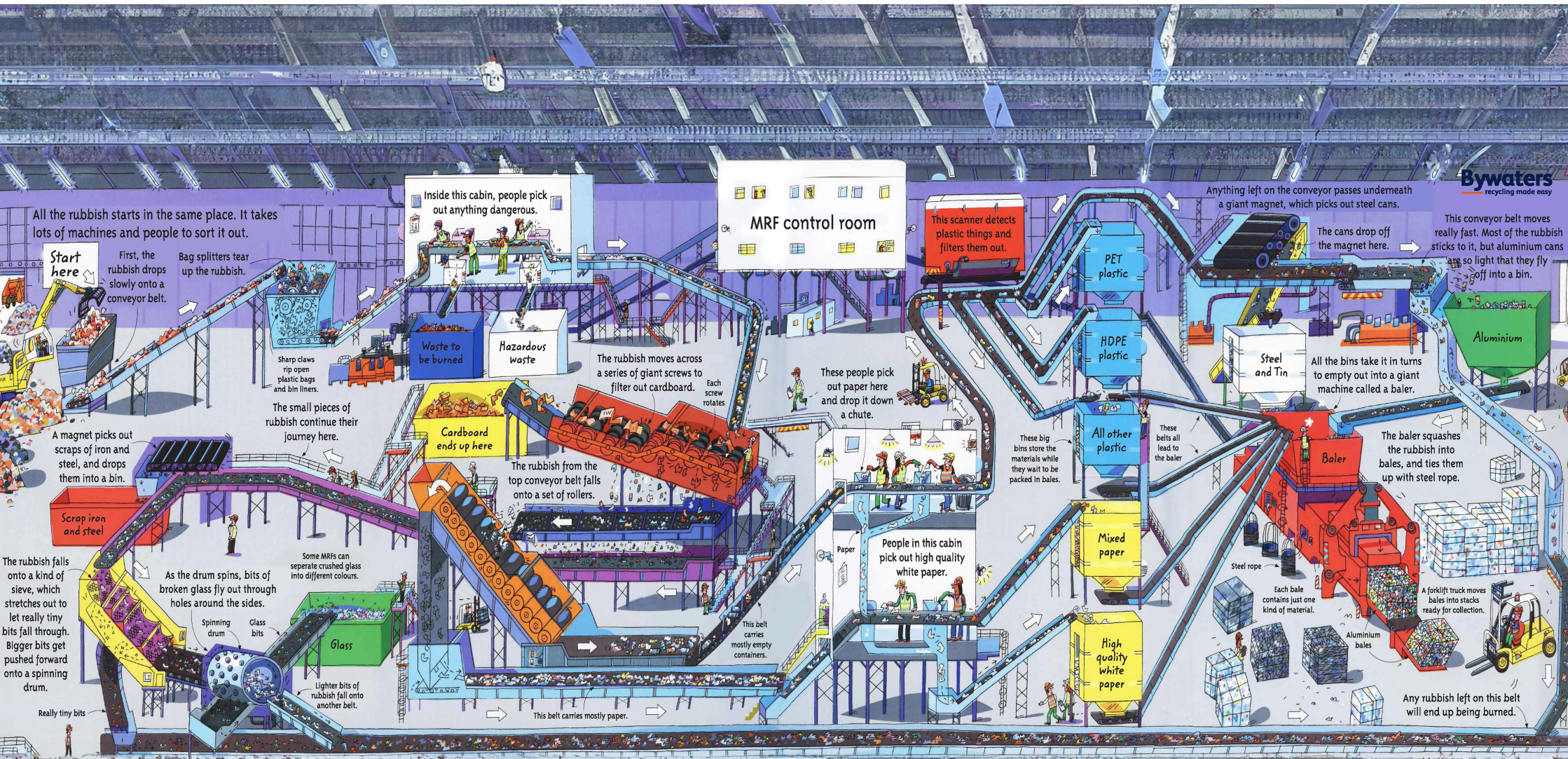
Bywaters state-of-the-art equipment works in harmony, taking mixed recyclables like metals, plastics and glass and sorting them to be turned into new products like cans, bottles and notepads.

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.



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.



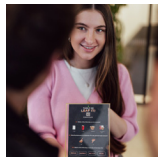
Reporting

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



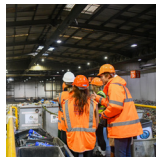
Volunteering and community building opportunities

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.



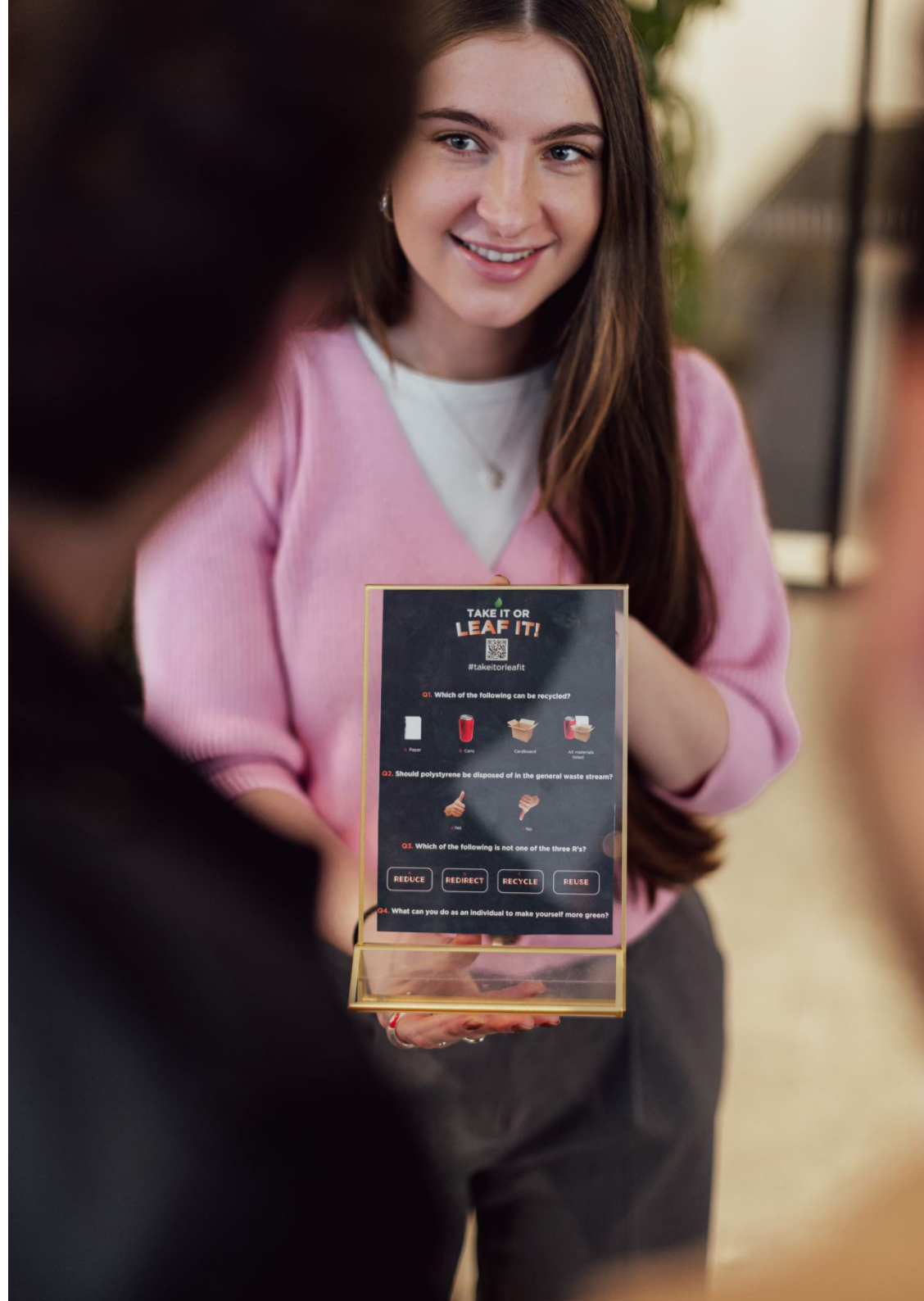
Signage

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.



TAKE IT OR LEAF IT!
#takeitorleafit

Q1. Which of the following can be recycled?

Paper Cans Cardboard All materials listed

Q2. Should polystyrene be disposed of in the general waste stream?

Yes No

Q3. Which of the following is not one of the three R's?

Q4. What can you do as an individual to make yourself more green?

WE THINK IT'S TIME FOR CHANGE DO YOU?



CASE STUDY

How can festivals become more eco-friendly?

Introduction

Millions of people across the UK attend festivals every year to enjoy music, friends, and the vibrant atmosphere. However, these events significantly contribute to Britain's growing waste problem, with festivals like Glastonbury and Wireless generating over 23,500 tonnes of waste, of which only 32% is recycled. This poses a critical question: how can festivals become more eco-friendly?

Understanding the Challenge

Festivals generate considerable waste through transportation, fuel consumption, and the use of single-use plastics such as bottles, straws, and food trays. Diesel-powered generators for sound systems and lights add to the carbon footprint, as do the tonnes of waste left behind by attendees, including tents and clothing. The environmental impact is profound, from the energy emissions to the pollution caused by abandoned items, which can take decades to decompose. Additionally, traditional portable toilets contribute to pollution through harmful chemicals.

Solution

Many festivals are now adopting eco-friendly practices to tackle these challenges.

Monitoring Emissions: Festivals can reduce their carbon footprint by switching to renewable energy sources such as solar power, biofuel, wind power, and pedal power. For instance, Glastonbury uses large solar arrays to generate power, which is fed back to the National Grid. Event organisers can also encourage public transport or car-sharing for attendees to minimise emissions.



Reducing Waste: Festival organisers can promote sustainable behaviour by encouraging attendees to bring reusable items and providing ample recycling facilities. Employing green waste management companies and hiring companies to pitch reusable tents can drastically reduce waste.

Banning Single-Use Plastics: Implementing site-wide bans on single-use plastics and encouraging reusable alternatives, such as cups and compostable serving items, can significantly cut down plastic waste. Glastonbury has already set an example by banning the sale of plastic onsite.

Compostable Toilets: Compostable toilets offer a sustainable alternative to traditional portable toilets by turning human waste into compost without using water or harmful chemicals. These toilets are environmentally friendly and contribute positively to soil enrichment.

Results and Impact

The impact of these eco-friendly initiatives is significant. By adopting renewable energy and reducing waste, festivals can greatly decrease their carbon emissions and waste footprint. Site-wide bans on single-use plastics not only reduce pollution but also raise awareness among festival-goers about the importance of sustainability. The shift towards compostable toilets further demonstrates a commitment to protecting the environment and setting new standards for eco-conscious events.

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.



CASE STUDY

The O2, Bywaters and the POD



Introduction

Bywaters proudly provides comprehensive waste management services for the iconic O2 Arena in London, a premier venue renowned for its 20,000-capacity arena, indoor theatre, music club, Cineworld cinema, exhibition space, piazzas, bars, and restaurants.

Understanding the Challenge

Maintaining a clean environment in a large, multi-purpose space like the O2 Arena presents significant challenges. The venue required a solution to reduce the frequency of waste container movements and optimise the use of available floor space.

Solution

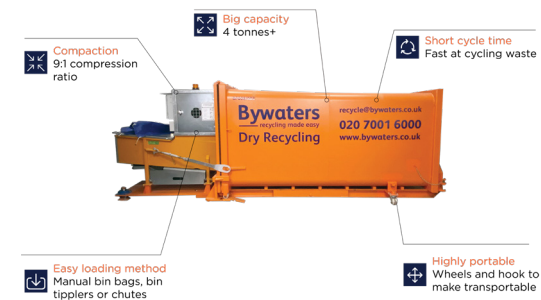
To address these needs, Bywaters strategically installed eight advanced waste disposal PODs. Each POD can handle 1.8 tonnes of waste, replacing the equivalent of 24 to 30 standard 1100-litre wheelie bins. These PODs, measuring 3645mm in width—the same as six 1100-litre bins—hold the waste capacity of up to 30 bins.

Results and Impact

The implementation of these PODs has resulted in significant space savings, freeing up to 40% of floor space for the O2 Arena to utilise for other activities. Additionally, vehicle movements within the arena have been minimised, leading to cost savings and reduced CO2 emissions annually.

Efficiency has seen a marked improvement, with the time required to move and empty waste reduced from 45 minutes to just 11 minutes—making the process four times faster and significantly boosting operational efficiency.

The POD



Each POD can handle **1.8 tonnes** of waste

Waste capacity of up to **30** bins

40% of O2's floor space has been freed

CASE STUDY

Bywaters and the Kia Oval during The Ashes

Introduction

The 2023 Ashes at The Kia Oval not only marked a memorable end to Stuart Broad's illustrious cricket career but also showcased the effective waste management efforts by Bywaters. While the crowd celebrated Broad's final wicket, Bywaters celebrated a significant achievement: improving The Kia Oval's recycling rate by 22%.

Understanding the Challenge

The Ashes attracted an unprecedented crowd, generating more than double the waste compared to its predecessor, The World Test Championship. Managing this surge in waste required a collaborative effort. The Kia Oval motivated its third-party cleaning partner to enhance waste management practices, adopting Bywaters' plans to increase the recycling rate. Over the five-day competition, the challenge of managing waste in a prestigious arena demanded immense effort and communication, which all parties met successfully.

What We Needed to Work Around

The Ashes brought in larger crowds and increased waste, notably from catering packages like cardboard, dry mixed recycling, and biodegradable plastic. Managing this while boosting the recycling rate posed a significant challenge. Additionally, The Kia Oval, surrounded by residential properties with noise restrictions, required all waste services to be completed before the public gates opened. This limited the collection window to between 07:00 and 08:30 am.

Solution

Bywaters tackled this challenge with meticulous planning and coordination. Detailed audits identified areas for improvement, and successful strategies from other clients were adapted. On-site waste operatives were crucial to success, providing round-the-clock service and managing collections before the daily influx of 27,500 spectators.



Despite restricted working hours, the team collaborated with The Kia Oval to start operations as early as 2 am, using a small gate away from residential areas. A new waste management strategy was implemented, exchanging compactors daily to reduce trips and save time. This required space allocation for drivers and frequent engineer checks to ensure smooth operations.

A key improvement was increasing the number of cardboard bales from one to twenty and educating staff on proper recycling methods. This resulted in a significant increase in cardboard recycling, from 450kg during The World Test Championship to 5560kg during The Ashes.

Results and Impact

The partnership between Bywaters and The Kia Oval underscores the importance of collaboration and attention to detail. The recycling rate at The Kia Oval increased by over 23% between the two tournaments, with The Ashes generating more than double the waste of the previous event. This collaborative effort pushed The Kia Oval's recycling rate to more than 21% above the UK's national average.

Bywaters' commitment to sustainability and passion for sports led to these impressive results, highlighting the potential for environmental benefits when all parties work together. The team is excited to continue its efforts to make the world a more eco-friendly place.



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.

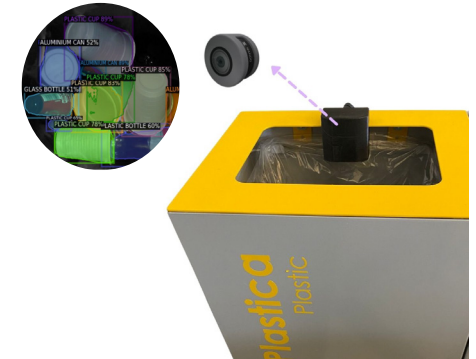
To complement the Byweigh system, Bywaters are able create tailored



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 CO₂ 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:

