



# FUTURE STREET

# Bigbelly

AUTHORISED SOLUTIONS PROVIDER



# Cleaner public spaces

Reimagine cleaner public spaces with Future Street. Bigbelly bins innovative design reduces visible litter, keeps waste contained, and boasts an increased capacity. By creating more welcoming, cleaner spaces, we inspire community pride and promote local economies.



**WHAT LITTER?  
BIGBELLY BINS KEEP  
LITTER LOCKED AWAY  
OUT OF SIGHT**





### Contained design

Bigbelly bins are your first line of defence against unwelcome pests, ensuring our streets remain clean and safe. Thanks to the forward-thinking design of our containment hoppers, wind-blown litter is now a relic of the past.

Our design doesn't just stop litter in its tracks. It goes one step further by keeping waste out of sight, contributing to a cleaner public perception.



### Reduce litter

Designed with an engaging and bright appearance, our Bigbelly bins serve not just as waste containment units, but also as visual cues for responsible waste disposal. Studies have shown that such visible measures can drive a substantial decrease in littering rates.

Bigbelly's smart technology prevents overflows and proactively sends notifications when nearing full capacity.



### Inviting public realms

Creating welcoming public spaces is at the heart of what we do at Future Street. We believe that a cleaner environment doesn't just mean less litter; it also creates a sense of community pride and invites more public engagement.

Whether it's a bustling city centre or a tranquil park, Future Street helps to transform public spaces into areas that everyone can enjoy and be proud of.



### Increase peak capacity

Bigbelly units promote on-demand compaction to effortlessly contain eight times the volume of a standard litter bin. Thanks to their unique design that restricts direct access to the waste, these bins fully utilise their expansive capacity, keeping spaces cleaner for longer.

Maintain spotless spaces even on those exceptionally busy days, such as during summer holidays or peak beach times.

# Going green

Reducing waste, increasing recycling and rates to minimising carbon emissions and fostering sustainability, explore how these innovative bins are transforming the world of waste management while making a positive impact on our planet.



Integrated within the Bigbelly unit, our 40w solar panels feature SolarMAX technology for year-round efficiency. Consuming 3-5 watts per day, they prevent overcharging and optimise performance.



Bigbelly deployments bring environmental benefits by reducing traffic. High-capacity design and smart compaction technology helps collection frequency, lowering carbon emissions and improving air quality.



By reducing collection vehicle traffic, noise, and air pollution, Bigbelly can actively contribute to a greener environment. With optimised collections, fuel consumption and CO2 emissions can be reduced.



Bigbelly's brightly wrapped bins enhance visibility, driving higher recycling rates. Their standout design boosts participation, leading the way to greater waste diversion and a greener tomorrow.



Bigbelly harnesses solar energy, bringing renewable solutions to our streets. This visible commitment to green technology not only powers efficient waste management but also inspires communities to embrace sustainable living.



Bigbelly integrates seamlessly into third party smart city networks with its open API. This connection promotes smart waste management, propelling urban areas towards greater efficiency.



# Total waste containment

In our urban spaces, effective waste management isn't just about storing rubbish—it's about ensuring it stays put. Bigbelly solar bins excel in this mission with their enclosed hopper design, ensuring once waste is deposited, it remains securely inside. This critical containment means litter won't escape, even in bustling areas or adverse weather.

Furthermore, these bins are impeccably pest-proof. Rats, birds, and other foragers find no way in, ensuring the rubbish inside doesn't become an environmental or health concern outside. For a cleaner, safer locality, Bigbelly ensures waste stays where it should: out of sight and out of our environment.



**60% OF WATER  
POLLUTION IS  
ATTRIBUTED TO  
LITTER**



# Optimise operations

At Future Street, our innovative technology brings a new level of operational efficiency to waste management. Our Bigbelly bins drastically reduce the frequency of collections, thanks to their enhanced capacity and smart compaction. This significant decrease enables the reallocation of vital resources to areas where they are needed the most.



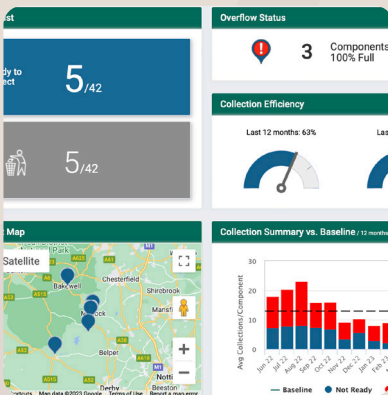




## Reduced collections

Experience an incredible reduction in collection frequency with Bigbelly bins' superior capacity and smart compaction technology. This results in less time and resources spent on collections, allowing your team to redirect its focus towards other key community services.

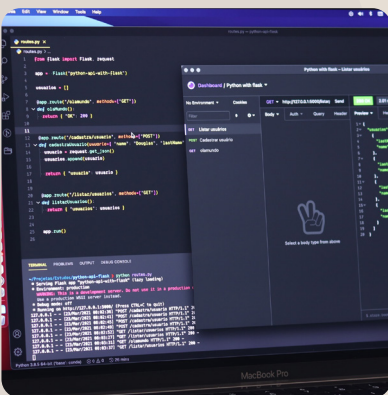
With Bigbelly, you're not just improving waste management; you're optimising the entirety of your local services operation.



## CLEAN Management system

Harness the power of real-time data with our state-of-the-art CLEAN management system. Instant updates on fullness levels enable efficient route planning and prevent overflows before they occur.

Step into the future of waste management with a smart, data-driven approach that promotes clean and efficient operations across the board.



## Open API integration

Embrace integration with Bigbelly bins' open API. Our bins facilitate seamless connection with other smart platforms and in-cab solutions, keeping you ahead of the curve in today's ever-evolving smart city landscape.

With Bigbelly, your waste management system is not an isolated operation but can be an integral part of your comprehensive smart development journey.

## Reallocation of resources

Harness the power of Bigbelly's pioneering technology to transform how you use your resources. Our smart bins can dramatically reduce collection frequency up to 90%. This is evident in studies with our current deployments.

This tremendous efficiency frees up both personnel and vehicle resources, moving them away from continuous waste management duties.





# Engaging communities

Future Street believes in the power of the collective, recognising that clean environments are cultivated not only by the solutions we provide, but also by the communities that utilise them. Our smart bins aren't just receptacles for waste; they're a catalyst for community engagement.







### Engage the public

Transforming waste management into a community-driven initiative, Bigbelly bins serve not only as practical solutions to litter, but also as unique platforms for public engagement. They allow you to share important community messages, raising awareness about issues that matter to your residents. By actively engaging the public in this manner, you promote a shared sense of responsibility, helping residents feel more connected to their local community and its betterment.



### Fostering pride

Bigbelly bins are much more than just waste containers; they're powerful instruments designed to inspire collective pride. With the ability to display personalised designs that resonate with the local ethos, these bins have the potential to transform shared spaces into symbolic representations of community spirit and create a sense of belonging within the community.



### Amplify campaigns

Bigbelly bins can be a game-changer when it comes to publicising your local campaigns.

Be it an environmental initiative, a community event or a public service announcement, our bins can effectively help your message reach all corners of the community.. By broadening the reach of these messages, you can ensure greater community participation and impact, making every campaign a success.



### Personalised artwork

Aesthetics matter, and at Future Street, we know this well. That's why our bins can be customised to feature personalised artwork that resonates with the spirit of your community. In doing so, we're able to transform these everyday items into interactive platforms that not only serve a practical purpose but also enhance the aesthetic appeal of your public spaces.

# Meet the Bigbelly range



## ELEMENT

NON-COMPACTOR

### Key features

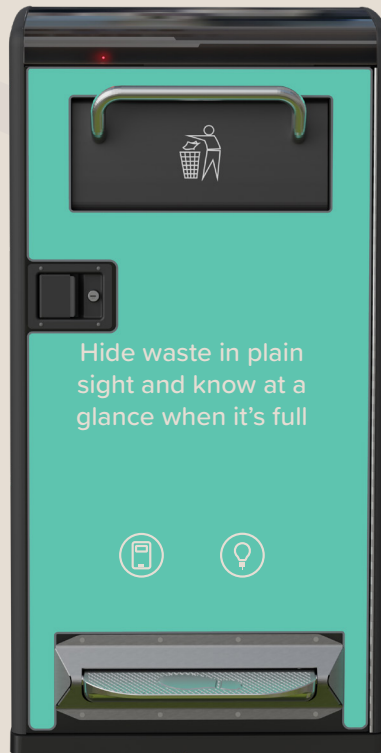
- 189 L capacity
- Available as companion add-on or stand alone
- Unified design
- Custom artwork
- Bespoke waste stream e.g. Pizza Belly

### Options

- Branding kits
- Ashtrays
- Advertising boards

### Interface options

- Standard hopper ✓
- Hopper chute ✓
- Custom faceplate ✓



## SENSE

NON-COMPACTOR

### Key features

- 189 L capacity
- Available as companion add-on or stand alone
- Fully enclosed
- Fullness indicator

### Options

- Branding kits
- Ashtrays
- Advertising boards
- Maintenance plan
- 

### Interface options

- Standard hopper ✗
- Hopper chute ✓
- Custom faceplate ✓



## SENSE MAX

COMPACTOR

### Key features

- 570+ L capacity
- Fully enclosed
- Fullness indicator
- Compactor
- Solar-powered
- Unified design

### Options

- Branding kits
- Ashtrays
- Advertising boards
- Maintenance plan
- 

### Interface options

- Standard hopper ✓
- Hopper chute ✓
- Custom faceplate ✓





## SMART

NON-COMPACTOR

### Key features

- 189 L capacity
- Solar powered design
- Fully enclosed
- Fullness indicator
- Unified design

### Options

- Branding kits
- Ashtrays
- Advertising boards
- Maintenance plan

### Interface options

Standard hopper ✗  
Hopper chute ✓  
Custom faceplate ✓



## SMART MAX

COMPACTOR

### Key features

- 570+ L capacity
- Fully enclosed
- Fullness indicator
- Compactor
- Solar-powered
- Unified design

### Options

- Branding kits
- Ashtrays
- Maintenance plan
- Access Control System
- Hopper Lock

### Interface options

Standard hopper ✓  
Hopper chute ✓  
Custom faceplate ✓



## SMART MAX XL

COMPACTOR

### Key features

- 570+ L capacity
- 240L Wheeled liner
- Fully enclosed
- Fullness indicator
- Compactor
- Solar-powered
- Unified design

### Options

- Branding kits
- Ashtrays
- Maintenance plan
- Access Control System
- Hopper Lock

### Interface options

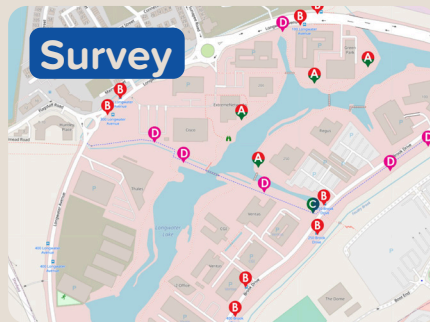
Standard hopper ✗  
Hopper chute ✓  
Custom faceplate ✓

# The Future Street difference

Experience the transformative power of Future Street, where cutting-edge technology meets sustainable urban living. Discover innovative solutions that enhance mobility, connectivity, and environmental sustainability. Benefit from our expertise in delivering tailored solutions, reliable support, and data-driven insights.



We begin our collaboration with an in-depth consultation to thoroughly understand your unique needs and aspirations. This ensures that our solution not only meets but exceeds your expectations, while elevating your local authority's performance in waste management and environmental stewardship.



Working closely with you, our team conducts a meticulous site survey of your public spaces. We then provide a detailed report, encompassing actionable recommendations, potential efficiencies, and a range of benefits.



To showcase the remarkable capabilities of Bigbelly Solar Smart Bins, we offer a cost-effective, short-term rental arrangement (typically 6-12 months). This trial allows you to witness firsthand the exceptional efficiencies, cost savings, and unparalleled benefits these innovative bins bring to your environment.



OVER 75,000  
UNITS INSTALLED  
GLOBALLY





## Customer success

Benefit from our proven track record and extensive experience with successful deployments in the UK spanning over 12 years. With over 3,000 units installed, we have established ourselves as a market leader. Our strong customer partnerships ensure shared goals and guarantee your success. Trust our expertise and join us on the path to achieving your waste management objectives.



## Global presence, local solutions

Experience our world-leading waste solution with a local touch. With over 75,000 units deployed in 60 countries, we have a truly global presence. Our successful deployments range from small coastal towns to bustling cities, working closely with communities to tailor solutions to their specific needs. Collaborate with our team to design a customised approach that aligns with your community's requirements.



## Waste Experts

Elevate your Bigbelly deployment with our team of unrivaled experts. With a remarkable track record, leading over 100 deployments in the UK market, we possess the know-how to deliver the perfect Bigbelly deployment for your locality. Our dedicated professionals tirelessly conduct surveys and trials, ensuring our expertise is flawlessly applied throughout the entire process.

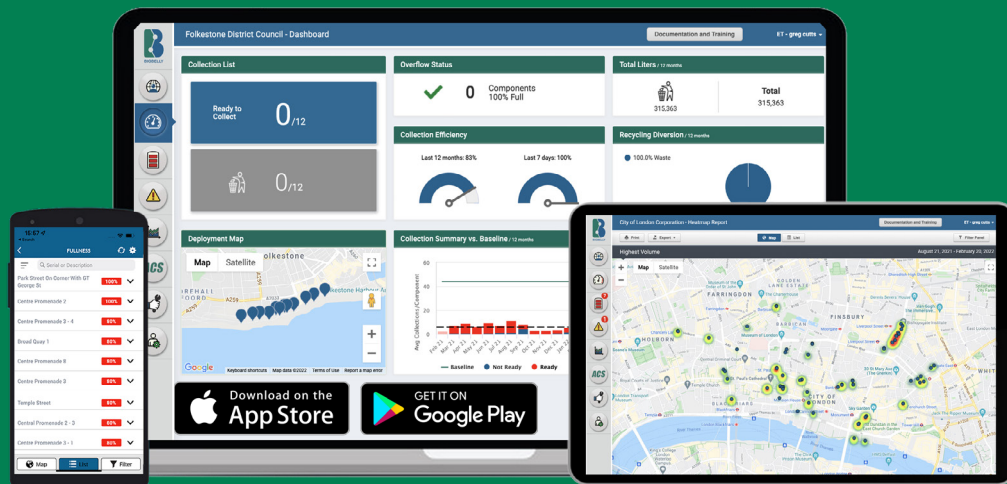


## 20 Years in the making

For two decades, Bigbelly units have been at the forefront of waste management innovation. As the market creator in solar compactors, Bigbelly's pioneering journey has shaped the industry. With unrivaled experience, we have become the most trusted brand in the field. Our relentless commitment to excellence has resulted in cutting-edge solutions and a track record of success.

# CLEAN Software

Discover Bigbelly CLEAN Software: a cutting-edge waste management tool that optimises operations, enhances visibility, and promotes sustainability.



CLEAN is the centralised location from which the system is managed and operational analysis can be carried out. It includes a set of tools for system setup, management, monitoring and optimisation from either a web-based software or mobile app.

## Real-time status

Smart stations communicate real-time status directly into the CLEAN Management Console

## Auto-generated notifications

Auto-generated email, text, and online notifications indicate which stations need to be collected to drive increased productivity while eliminating overflows and unnecessary collections.

## Optimise collection routines

Users can optimise collection routines, measure and benchmark operations, and identify location-based waste patterns (volume, fill rate and collection activity) across a Bigbelly smart waste fleet.

## Industry leading reporting

The CLEAN Management Software is the cornerstone of the Bigbelly smart waste & recycling system, providing full visibility into an entire Bigbelly deployment with an advanced suite of reports.

- Collection summary
- Collection efficiency
- Greenhouse gas emissions
- Daily collection activity
- Heatmaps
- Collection response time
- Ready to collect frequency
- Group benchmarking
- Account overview



# Service Agreement

A service agreement with Future Street offers numerous benefits for those utilising the Bigbelly Smart Waste & Recycling System. Some of these benefits include:



## Maintenance Visit

A regular maintenance visit for your Bigbelly bin is a crucial component in keeping it in top working condition. Our comprehensive checklist covers all the important parts of the bin, including the battery, core components, locks, and weather seals.



## External clean

Our external clean package offers both aesthetic and operational performance benefits. A power jet wash, along with a disinfectant, is deployed to thoroughly clean the bin's exterior, removing dirt and grime while killing bacteria and extending its life.



## Anti-bacterial treatment

An anti-bacterial coating is applied to the hopper and handle which significantly reduces the risk of cross-contamination from any germs and bacteria. The coating is long-lasting and effective, providing enhanced protection against the transmission of bacteria and other micro-organisms.



## Warranty & Repairs

At Future Street, our service agreement package includes 5 years on-site warranty and comprehensive nationwide engineering support. By combining our service agreement package with our proven BigBelly hardware and CLEAN management software, you have the peace of mind that your BigBelly units will continue to perform at their

# Cork City Council

CASE STUDY - PROJECT START DATE 2022 - 85 UNIT DEPLOYMENT

Cork, a bustling Irish city, has been navigating the challenges of rapid growth and urbanisation. The pressure on public services, particularly waste management, has been palpable. Adding to this complexity, Cork introduced a Clean Air Zone in 2022 to promote environmental sustainability. To align with this initiative and tackle waste-related challenges, Cork City Council chose to partner with Future Street.

## Why did Cork City Council choose Bigbelly?



Comhairle Cathrach Chorcaí  
Cork City Council

### Objectives

- **Clean Air Zone Compliance**

With the Clean Air Zone rolled out in 2022, the Council wanted to contribute by reducing vehicles and emissions in the city centre.

- **Overflow Prevention**

A key objective was to reduce the likelihood of bin overflows in the city centre.

- **Digital Transition**

Cork City Council wanted to modernise their waste management system by moving to a digital smart system.

- **Efficient Resource Utilisation**

A major goal was to use resources more efficiently while simultaneously improving the quality of public services.





**28%**

Reduction in street clutter

**224%**

Higher peak litter capacity

**75%**

Fewer collections

**80%**

Less plastic bags

**Love This Place  
Leave No Trace**



“We couldn’t be happier with the outcomes from our Bigbelly roll-out. Partnering with Future Street has been a positive experience, elevating our service quality, optimising our resources, and enhancing the city’s appeal for both residents and visitors.”

**John Keane**  
Executive Engineer  
Cork City Council

## Solution

Our implementation plan was separated into three distinct phases.

**Phase 1:** Removed 72 traditional litter bins and installed 54 Bigbelly Smart Max compactors.

**Phase 2:** Further escalated the transition by removing an additional 32 old bins, replacing them with 19 Bigbelly Smart Max compactors & 1 Bigbelly Element “Pizza Belly” bin.

**Phase 3:** Finalised the roll-out by removing 14 more bins and installing 10 Bigbelly units.

This phased approach allowed us to continually assess the impact of our solutions, make adjustments as needed, and ensure that the bins were installed in the most critical areas first. Our collaboration with the city council was marked by continuous communication, data-driven adjustments, and community-focused decision-making. The result? A city transformed, with state-of-the-art waste management solutions that are as efficient as they are eco-friendly.

## Results

**Collection Efficiency:** The number of necessary collections was reduced by at least 75%, contributing to fewer vehicles and emissions in the city centre.

**Resident Feedback:** The community has welcomed the change with open arms. The Bigbelly units received rave reviews for their user-friendly design, local branding, and visual appeal.

**Increased Participation:** The overall usage of litter bins has increased, indicating higher public engagement in responsible waste management.

**Plastic Reduction:** An astounding 80% reduction in single-use plastics was recorded due to the need to use less bin liners.

Future Street and Cork City Council’s collaborative effort demonstrates that with a strategic approach, modern technology, and community involvement, urban living can be significantly improved while still being kind to our planet.

# Maynooth University

## CASE STUDY - PROJECT START DATE 2018 - 41 UNIT DEPLOYMENT

Maynooth University, one of Ireland's fastest-growing educational campuses, faced challenges in waste management that were common but pressing. As the student population and campus area expanded, it became critical to adopt innovative solutions. Partnering with Future Street, the university opted for a radical change: implementing Bigbelly solar compacting bins that would not just handle waste more efficiently but also elevate the aesthetic appeal of the campus.

## Why did the Maynooth University choose Bigbelly?



**Maynooth University**  
National University of Ireland Maynooth

### Objectives

- **Waste Management Efficiency**

Achieve more effective waste management through technology.

- **Aesthetic Appeal**

Enhance the visual aspects of the campus with modern, branded bins.

- **Bin Clutter Reduction**

Aimed to reduce the number of litter bins on campus, improving staff efficiency.

- **Environmental Consideration**

Limit access to waste by wildlife, maintaining hygiene.

- **Data-Driven Decision-making**

Implement real-time data analytics for better waste management.





**67%**

Reduction in bin clutter

**86%**

Reduction in collections

**Birds or vermin  
can no longer  
access the litter**

## Solution

Maynooth University wanted to revolutionise waste management on campus. They began by trialling solar compacting bins from various suppliers back in 2018, ultimately settling on Bigbelly bins for their efficiency and aesthetics. In 2023, a decision was made to expand this successful pilot, partnering with Future Street to tender for a full-scale roll-out.

The university replaced 108 traditional litter bins with 36 Bigbelly units. This strategic placement meant that each Bigbelly unit effectively replaced three traditional bins. The new bins were wrapped and branded, fitting seamlessly into the modern Maynooth campus and elevating its visual appeal.

## Results

The transition to Bigbelly bins brought about a series of noteworthy improvements across the Maynooth University campus. Staff morale saw a noticeable uplift as they found themselves unburdened by the constant need to empty multiple litter bins, allowing them to refocus their efforts on other important tasks. Moreover, the aesthetic enhancements that came with the branded and wrapped Bigbelly units resonated well with the university's modern architectural themes, thereby uplifting the campus atmosphere.

What truly set the Bigbelly units apart was the incorporation of smart technologies. Real-time data analytics offered by Bigbelly's management system provided invaluable insights into waste patterns. This enabled quicker, more efficient responses to waste management issues, effectively cutting down the response time. The closed design of the bins offered an additional, yet significant, advantage by preventing wildlife from accessing waste.

"We are delighted with the addition of the Big Belly bins to the campus, they have replaced our tired old bins and brought a modern and fresh approach to managing our waste on the campus. The Realtime data and fullness information via the online dashboard has really helped with our operations on the campus and made our bins collections much smoother. With the Introduction of the Big belly bins our operatives have fewer bins to empty on a daily basis, thus freeing them up for other Grounds duties on the campus. The bins have been a massive success and very happy with the results so far"

**Stephen Seaman**  
Grounds Supervisor  
Maynooth University



## CASE STUDY

# Dún Laoghaire-Rathdown

CASE STUDY - PROJECT START DATE 2014 - 401 UNIT DEPLOYMENT

Dún Laoghaire-Rathdown replaced 530 traditional bins for 401 Bigbelly Smart Max units. The impact was immediate: waste capacity soared by 450%, collection times dropped, and collection costs were cut dramatically. This isn't just a success story for the Council; it's a blueprint for how technology can reshape waste management and benefit an entire community.

## Why did Dún Laoghaire-Rathdown County Council choose Bigbelly?



### Objectives

- **Increase Waste Capacity**

Address the problem of inadequate waste capacity and overflowing litter bins.

- **Streamline Operations**

Deploy a more efficient waste management system to optimise collection and fleet usage.

- **Environment Friendly**

Reduce energy consumption and emissions from waste collection vehicles.

- **Smart City Integration**

Leverage Bigbelly as a platform for other smart city initiatives, such as footfall sensors.

- **Boost Local Economy**

Use the bins' valuable real estate for public service messaging.





**450%**

Increase in  
waste capacity

**85%**

Reduction in  
daily collections

**75%**

Savings in Fleet  
Operating Costs

**60%**

Staff Redeployment

## Solution

Dún Laoghaire-Rathdown County Council faced waste management challenges, including frequent overflows and limited resources. Future Street stepped in with our Bigbelly Smart Max compacting bins as the solution.

In 2014, after extensive trials, the Council initiated a full-scale roll-out, replacing 530 traditional litter bins with 401 Bigbelly units. Not just any bins, these were high-capacity, tech-smart, compacting units, tailored to the unique challenges of the area, including Ireland's unpredictable weather.

The key to the system's efficacy is Bigbelly's web-based CLEAN software. The system sends smart notifications, pinpointing exactly which bins are ready for collection. Now, each morning, a route ordered collection list is generated, maximising efficiency.

By eliminating redundancies, the Council could also extend waste collection to park entrances. Despite reducing the total number of bins, capacity soared by 450%—from 45,000 litres to an incredible 250,000 litres.

## Results

Collection frequency dropped from 6.5x to 1.6x per week, thanks to Bigbelly's smart tech. By optimising collection routes, the Council went from using four trucks to just one daily, saving 75% on fleet costs. Furthermore, 60% of the collection staff were redeployed to other essential services.

The benefits extend beyond just waste management, highlighting how technology can effectively solve real-world issues. On the environmental front, energy consumption from waste collection vehicles dropped by 85,000 kWh per annum, substantially reducing greenhouse gas emissions and local pollution.

"Our Bigbelly deployment showcases the County Councils strong commitment to reduce its environmental footprint and drive tangible efficiencies in our day-to-day work process through the medium of smart, analytic driven technology."

**Cllr Cormac Devlin**  
**Cathaoirleach (Mayor)**  
**Dún Laoghaire-Rathdown County Council**



# A Data-Centric Approach from the London Borough of Sutton

In a pioneering move towards smarter, greener waste management, the London Borough of Sutton has teamed up with Future Street to implement an API integration between their Bigbelly solar compactors and Veolia's in-cab solution. Powered by Bigbelly's "Clean platform," this seamless integration serves as a conduit for real-time data transfer, significantly elevating both responsiveness and efficiency. Sutton now utilises the Clean platform to perform rigorous analysis on key metrics like bin usage, recycling diversion, and carbon reduction.

Meanwhile, Veolia leverages this real-time data to optimise its waste collection routes, thus minimising collection frequencies and reducing emissions. This case study delves into the transformative impact of this integration, providing valuable insights into how cutting-edge technology can revolutionise traditional waste management systems and contribute to a cleaner, more sustainable community.



All Together Better

AUTHORISED SOLUTIONS PROVIDER



## Process of intergration

### • Scope of API

The API facilitates a multi-layered data exchange between Bigbelly's Clean platform and Veolia's in-cab system, enabling dynamic route planning and real-time monitoring.

### • IT Support

A dedicated IT team ensures seamless integration, providing technical guidance, troubleshooting issues, and optimising the API to cater to specific operational requirements.

### • Response Times

The API's low-latency design guarantees rapid response times, allowing Veolia to adjust their routes instantaneously based on real-time data, improving efficiency and sustainability.







## Outcomes for residents

# 40%

- Reduction in litter related complaints
- Residents reported quicker bin-emptying, enhancing community satisfaction.
- Locals observed tidier areas and reduced litter, boosting neighbourhood appeal.

## Results for client

# 91%

### Fewer litter collections

- Veolia achieved notable fuel savings, elevating operational efficiency.
- Fewer vehicles allocated to bins by Veolia, optimising resource use.

"We chose Bigbelly to help drive innovation and deliver better value for our residents. By reducing the impact of litter in our local community, we've not only improved the efficiency of waste management but also significantly enhanced the aesthetics of our streets. The power of data has allowed us to manage our services more effectively, offering a cleaner and greener environment for Sutton."

**Nicholas Sims**  
**Waste & Street Cleansing Manager**





**FUTURE  
STREET**

**Bigbelly**

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