**The MAYO Bin** is our **Non-Compacting BriteBin™** and it is a perfect solution for managing general and recycling waste across towns and cities.

The **MAYO Bin** combined with the PEL **BriteBin™** software data management platform, allows waste collectors and councils the ability to monitor real-time fill-levels across their litter bin fleet.

By gaining insightful data recorded, it further allows for proactive deployment of appropriate collection resources to only those bins requiring service. This unit is installed in areas with lower footfall where waste volumes would not require compaction.
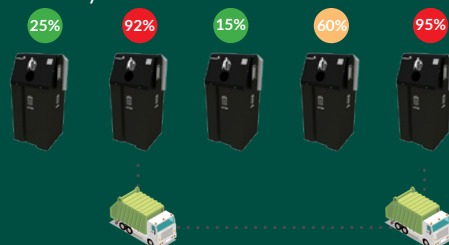
## BRITEBIN™ OPERATIONAL PROCESS

The BriteBin™ IoT takes a real-time fill-level reading every 3 seconds.

Once full, the BriteBin™ IoT generates an alert to the BriteBin™ data management platform to notify the commanding authority.

The commanding authority then deploys resources to only those units requiring service. This creates efficiency and saves money.

25%    92%    15%    60%    95%

## BENEFITS OF THE PEL BRITEBIN™

- Reduces carbon emissions.
- Lowers waste collections costs.
- Helps create a cleaner environment.
- Zero running costs.
- Sealed, non-touch unit.
- Eliminates single use plastic bin liners.
- Creates efficiency across waste collection.
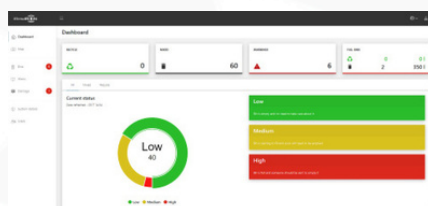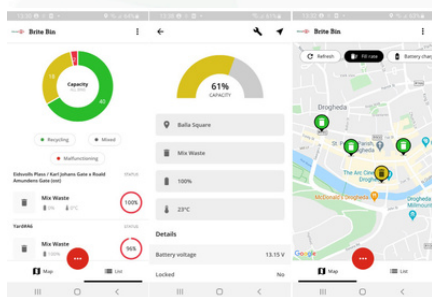- Standard internal wheelie bin or liner.

# TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Dimensions (WxDxH)** | **BBS 120ltr:** 592x600x1345mm   **BBS 240ltr:** 685x749x1478mm<br>**BBS 360ltr:** 690x917x1498mm |
| **Litter Opening** | Hopper or Flap opening |
| **Power Supply** | Not Applicable |
| **Service Door Location** | Front |
| **Capacity** | 120ltr, 240ltr, 360ltr |
| **Colour** | Grey Ral 7024 (Standard) |
| **Optional Additions** | • Bespoke Stickers / Partial wrap<br>• Aperature Dimension and Shape (Rectangular / Circular)<br>• Ashtray (Integrated / External)<br>• Fire Extinguisher |
| **Material** | Zintec, G30, Stainless Steel |



Our award winning BriteBin™ Software solution is the leading intelligence across the smart waste industry. The BriteBin™ Software solution operates wirelessly through the cloud. It generates real-time data transmitted across the Sigfox, NBIoT and GSM networks.

The BriteBin™ Software solution allows customers to monitor fill-levels across their entire BriteBin™ fleet, and proactively deploy collection resources to only those bins requiring service. An integrated BriteBin™ sensor is mounted to the interior of the unit, which accurately monitors litter levels and communicates the fill-level alerts in real time to the PEL BriteBin™ data management platform. The BriteBin™ software processes the data received, and issues an alert via email or SMS to the appropriate authority when a bin needs to be emptied.

At PEL, we are constantly innovating. The BriteBin™ software is not limited to monitoring real-time street litter fill levels. There are a multitude of areas in which the BriteBin™ software can be applied effectively to reduce carbon emissions, lower costs and create efficiency across collection services, for example:

◢ Bottle Banks
◢ Clothes Banks
◢ Post Boxes
◢ Underground Containers