

INTEGRATED SOLUTIONS FOR SMART CITIES



New perspectives in
INTEGRATED WASTE SOLUTIONS

Customizable solutions to suit your needs



CLIP BIN – Large Storage Solution with Crane/Bilateral Load

LARGE STORAGE SOLUTION WITH CRANE/BILATERAL LOAD

The sturdiness of Clip Bin's premium BigBin, now with crane/bilateral load

With 100% polyethylene body and lids, it is ultra-resistant reducing costs due to breakages while optimizing its useful capacity.

Safer and more unobtrusive

Due to its reduced height, streets can be crossed more safely and visual barriers can be avoided.

Available with:

- **Simple hook**
- Double hook
- Crane and excavator attachments
- Robotized crane and excavator attachments



clip.bin

BAGIO II – Invisible Storage Solution



SURPRISE BAG WITH DOUBLE BOTTOM

OTTO's BAGIO products are perfect for large amounts of waste. The BAGIO II provides an invisible large fill volume with a unique, easy to use loading height.

The waste is continuously compacted by gravity due to the weight of the waste being disposed, thus resulting in reduced emptying frequencies.

This is an environmentally friendly standard version. BAGIO II, is customisable with a range of colours and decoration to choose from. It is a good introduction to highly efficient, modern, semi underground systems.

With its reduced weight due to its robust, recyclable polypropylene, there is no need for special trucks when emptying – only a standard truck with a crane is needed.

The Bagio II is certified EN 1898/ISO 21898 and ISO standard 9001.

OTTO'S SMART SOLUTION

TECHNOLOGY REDUCING YOUR FOOTPRINTS

OTTO's Smart Solutions aim to level-up the waste management processes to make them smart and more efficient. We offer customizable designs for both trash/recyclable station with easy attachment of wireless bin fill-level sensor. The sensor detects fill-level and sends out real-time alerts to our Waste Management Web Portal via 3G/NarrowBand-IoT (Low Power Wide Area Network). Upon reaching the pre-determined level of waste, a notification will be sent to respective cleaning service providers for ease of collection.

Our Waste Management Web Portal provides an IoT platform for waste data monitoring & data analytics to help cleaning service providers to further streamline waste collection operations and plan collection frequency. This will achieve operational cost efficiency, increased work productivity, reducing carbon footprints towards a greener environment.

Smart Solutions, an initiative by OTTO, to support Singapore's Smart Nation blueprint targeting at zero waste and efficient waste management.



INTELLIGENT WASTE MANAGEMENT - WEB PORTAL

- Waste data analytics:
 - Collection efficiency
 - Overflow frequency
 - Waste generation
 - Customization of various reports
- Real-time monitoring and data management platform
- Optimization of collection routes
- User friendly interface 24/7 easily accessed anywhere, anytime (Dashboard/Mobile App)

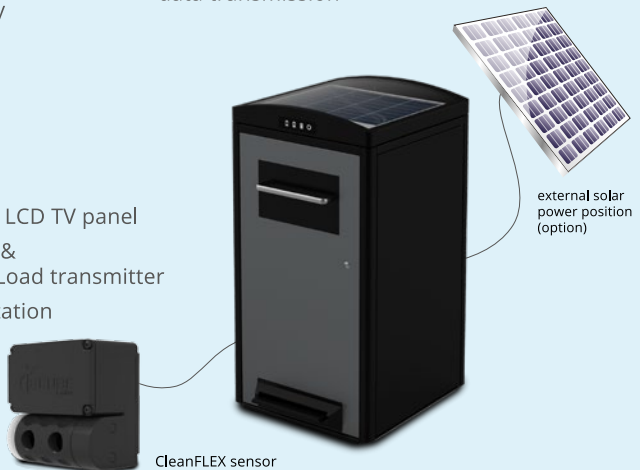


SMART SOLUTIONS (NB-IoT/3G/WIFI CONNECTIVITY)

- Fill-level Sensor
- Solar-powered Compaction Bin
- RFID Tack & Trace
- GPS Fleet Management
- Dynamic Load Transmitter
- Real-time data monitoring
- M1's NB-IoT/3G/WIFI connectivity for data transmission

TAILOR-MADE SOLUTIONS

- Solar-powered Compaction Bin
- Options with Hopper, Foot Pedal, LCD TV panel
- Customization: Odour-Level, Fire & Smoke Detection, Anti-Pilferage, Load transmitter
- Food-waste/E-waste innovative station
- Wireless bin fill-level sensors



OUR PARTNERS



OTTO Waste Systems (S) Pte Ltd

541 Bukit Batok Street 23
#03-00 Tacam Industrial Building
Singapore 659546

Tel: (65) 6898 1267
Fax: (65) 6268 5193
Email: sales@ottoasiapac.com

www.ottoasiapac.com

 [ottowastesystems](https://www.facebook.com/ottowastesystems)  [ottowastesystems](https://www.instagram.com/ottowastesystems)

