sub:net/k

SOLUTION GUIDE

Waste & bin fill levels

Empty bins when they're full, not when it's Tuesday.

Used in: Retail · Property management

THE PROBLEM TODAY

Bins collected on a schedule — half-empty on pickup day, overflowing on a busy weekend. Every unnecessary collection costs money, and every overflow costs your image.

WITH SUBNETIK MONITORING

Fill levels from every bin and container, with a collection called only when it's needed — fewer pickups and tidier back-of-house.

1 HOW IT FITS TOGETHER

SENSOR	LoRaWAN radio	GATEWAY	Ethernet / 4G	NETWORK SERVER	Secure cloud	DASHBOARD	Rules	YOU
EM400-TLD		**Milesight UG67**		**LORIOT**		**ThingsBoard**		**Instant alert**
Battery, no cabling		Covers the site		Secure device network		Live view & history		SMS · WhatsApp · email

2 CHOOSE YOUR SENSOR

RECOMMENDED



Milesight EM400-TLD

Bin fill-level sensor

Best for: Bins, recycling containers and skips — mounts under the lid.

MEASURES	ALSO	BATTERY	RATING
Fill level	**Fire & tip alerts**	**Up to 10 yrs**	**IP67**

OR, DEPENDING ON YOUR SITE



Milesight EM400-UDL

Ultrasonic level sensor

Choose when: Large or deep containers, compactors and oil tanks — longer range ultrasonic sensing.

Non-contact level · up to 10 m · IP67

3 WHERE TO FIT IT

1. **Under the lid, pointing straight down**
   Clear of the hinge and any internal frame.
2. **One per bin or container you pay to empty**
   Start with the busiest service yards.
3. **Set the alert at around 80% full**
   Leaves time to schedule a collection.

4 PICK YOUR GATEWAY

SMALL SITE	BUILDING	TYPICAL FOR THIS — OUTDOOR
UG63	**UG65**	**UG67**
Shop, villa, one floor	Tower, hotel or plant	Community, yard, campus

One gateway serves every sensor on site — confirmed by a short survey.

5 WHAT YOU'LL SEE

Festival City — Service yard · ThingsBoard · illustrative

- Cardboard skip 2 · 85%
- General waste 1 · 40%
- Food waste · 55%
- Recycling · 30%

Container 85% full
Cardboard skip 2 · Yard B
Assigned to: Waste contractor

CARDBOARD SKIP 2 · FILL, LAST 7 DAYS (%)



⚠ Container 85% full
Cardboard skip 2 · Yard B

✓ Collected · 10:15
2 scheduled pickups cancelled this week.

SMS · WhatsApp · Email

Prove it on your own site

We scope a pilot around this problem and configure everything for you.

Talk to Subnetik

04 248 5139
contactus@subnetik.ae
www.subnetik.ae

TDRA-registered dealer · UAE-based IoT solutions