

# Rubbish bins get smart

Bins are no longer just receptacles for rubbish. Newfangled ones are solar-powered and can be used as Wi-Fi hot spots. Here is a look at how one works and its features.

## Wi-Fi router

Enables the bin to provide free Wi-Fi between 11am and 9pm.

## Communication module

Allows the bin to send notifications when it is ready to be cleared. It can also send alerts when there is a problem with the bin.

## Compactor

Allows it to hold rubbish up to eight times the capacity of a standard bin.

## Enclosed design

Prevents pests from gaining access to waste. It also slows down decomposition by preventing air circulation in the bin.



## Solar panel

Provides a sustainable energy source for the bin. Energy is also stored in a battery, so the bin can still function during cloudy/rainy periods.

## Hopper handle

Makes it impossible for contact with the compaction mechanism when it is in operation.

Weight **120kg**

Height **128cm**

## Materials:

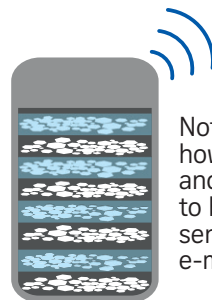
Recycled plastics and galvanised steel



Rubbish is deposited into the bin. A sensor measures the bin's capacity.



A compactor compresses the rubbish and measures the resistance of the compacted trash.



Notifications on how full the bin is and when it needs to be cleared are sent through e-mail or SMS.