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**BRAUMS**  
*"ITS" Moving Traffic*

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**MR. FILL:  
THE SMART WASTE SOLUTION**

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Reduces litter collection costs  
Encourages people to throw their  
litter in the container  
Robust vandal resistant design  
Environmentally friendly

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## MR. FILL: THE SMART WASTE SOLUTION

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Mr. Fill litter containers are the ideal solution for smart cities that want to reduce litter volume and reduce collection costs. The solar-powered waste containers communicate their status 24 x per day through the Smart Waste Manager. The result is more efficient refuse collection at a lower cost. Mr. Fill is also vandal-resistant and has a very long operational life.

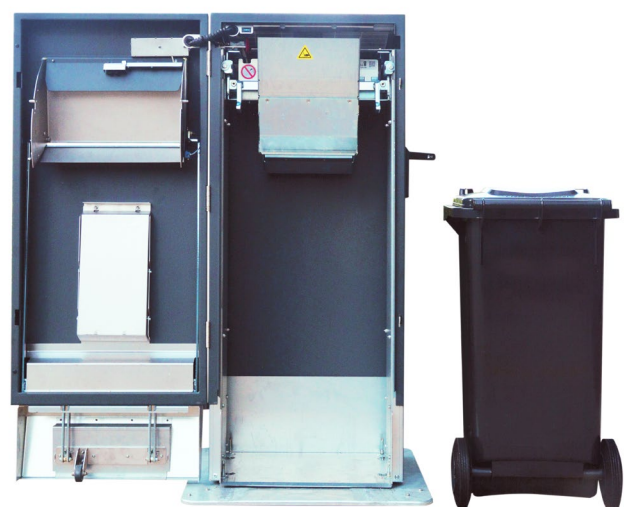
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### Key Features

- 6-7 times the capacity of a traditional litter bin:
  - Refuse is compressed down into one fifth of the space or even further.
- Lower carbon emission:
  - Mr. Fill needs to be emptied 6-7 times less often, so refuse collection trucks make much fewer journeys.
- 75% cost reduction:
  - The refuse container takes much longer to fill, which generates a significant cost saving.
- Manufactured with 2mm thick high-grade steel:
  - 3 year warranty due to robust quality (ask for the terms and conditions).
- Robust stainless steel flap:
  - Able to withstand various weather conditions.
  - Does not get jammed up with refuse.
  - Keeps rats, birds and other vermin out, ensuring the immediate vicinity of the bin remains clean and tidy.
- Encourages people to throw their litter away:
  - Bin can be vinyl-wrapped to include appealing artwork for children or environmental messaging.
  - LCD display thanks people when they have placed litter in the bin.
- Additional features:
  - LCD display and colour-coded fill level indicator.
  - Specialist frames are available to utilise the back or side of Mr. Fill as billboard space (Mr. Bill).

### Functionality

- Remote locking
- All steel
- Cigarette butt compartment
- Foot pedal
- Wheelie bin
- Accessible remotely 24 x per day
- 1:5 compression factor
- Smart Waste Manager
- Stainless steel flap
- Display + fill level



Mr Fill Ultra - Solar

## MR. FILL: THE SMART WASTE SOLUTION



## Smart Waste Manager

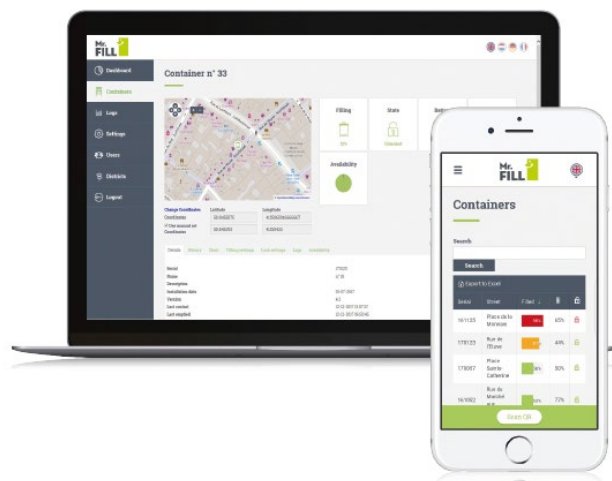
The Smart Waste Manager is a management and monitoring system that registers the status and use data of the refuse container and sends the information to your employees. The Smart Waste Manager sends a text message or an email to your PC, tablet or smart phone when the container needs to be emptied.

- A personal login allows you to choose your preferred Smart Waste Manager settings. Mr. Fill communicates 24 x per day.
- The Smart Waste Manager app gives you up-to-the-minute information on the status of all Mr. Fill waste containers when you need it.
- Mr. Fill refuse containers can be remotely locked at sensitive times, for example New Year. That saves time and money.

## Convenient dashboard

The Smart Waste Manager knows precisely what's happening across your asset portfolio of Mr. Fill refuse containers:

- Container fill level
- Battery voltage measurement
- Solar energy capacity
- Container location
- Remote locking



## MR. FILL: THE SMART WASTE SOLUTION

### Specifications, Accessories and Upgrades

Specifications	Basic Fill	Smart Fill	Easy Fill	Ultra Fill	Indoor Fill	Quatro Fill
Mr. Fill 120l basestation	✓	✓	✓	✓	✓	✓
Solar panel		✓	✓	✓		
Sensors		✓	✓	✓	✓	Optional
IoT controller		✓	✓	✓	✓	Optional
12V 20Ah Battery		✓	✓	✓		Optional
230V mains power					✓	
Compactor system			✓	✓	✓	
Cigarette butt compartment				✓		
Foot pedal				✓	✓	
Four slots						✓

Code	Description	Characteristics
MF-A10	Galvanised foot pedal	Galvanised foot pedal to open and close the flap
MF-A11	Cigarette butt compartment	Opening for cigarette butts on front of door, with compartment on the inside of the door
MF-A12	Battery	Standard 12V 20Ah battery
MF-A13	Standard 120l wheelie bin	Standard 120l wheelie bin for inside Mr. Fill
MF-A14	Non-standard colour	Different colour from standard grey
MF-A15	Anti-graffiti coating	Anti-graffiti coating all over Mr. Fill
MF-A16	Personalised wrapping	Customer-specific wrapping
MF-A17	Outdoor upgrade kit	Conversion kit: compaction system, solar panel, battery, sensors, IoT controller
MF-A18	Indoor upgrade kit	Conversion kit: compaction system, 230V mains power, sensors, IoT controller
MF-A19	Concrete block	Concrete block 60 x 60 x 20 cm
MF-A20	Galvanised foundation plate	Galvanised foundation plate for Mr. Fill 990 x 990 x 10 cm
MF-A21	Personalised logo	Personalised logo on bin display (once-only)

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