



The World of Mr.Fill



SMART SOLAR
COMPACTING BIN



SMART
UNDERGROUND
PRESS



SMART SENSOR



The smart waste solution

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



MR.
FILL



No Litter and less expenses.

That is our mission at Mr. Fill, a smart solution for waste collection in public places.

Since the beginning of Mr. Fill, efforts have been made not only for product development, but also for innovation and technology. We came up with smart city solutions; we strive to be smart cities' number one solution for litter all over the world and we are getting there. We produce smart above- and underground waste systems. Besides that, we also provide cities and townships with our very own sensors. These sensors will turn a regular waste bin into a smart waste bin. Based on the data the sensors provide us, our company can advise cities where more or less bins are needed, as well as when bins should be emptied.

MEET THE FAMILY!



ULTRA 120L FILL

- Container 120 Ltr.
- Sensors, IoT controller, battery
- Solar panels
- Self-compacting
- Actuator 6000N
- Remote locking possibility
- Automatically locks when full



ULTRA 240L FILL

- Container 240 Ltr.
- Sensors, IoT controller, battery
- Solar panels
- Self-compacting
- Actuator 6000N
- Remote locking possibility
- Automatically locks when full



TWIN FILL

- 2x 80 Ltr.
- Two separate single flows
- Stainless steel ashtray
- Door locks automatically
- Heavy duty mechanics to prevent slip
- 2mm high-quality steel
- Powder coating



HEAVY HARRY

- Compacting force of 3500kg
- Integrated weigh module
- Child fall protection
- Low maintenance press
- 4 times more space than regular containers due to press
- Wireless charging



SENSOR FILL

- Long lasting battery from 5 up to 10 years
- Measuring distance 0-400cm
- GPS
- Communication LTM1/LTM-NB/2G
- Data storage
- Laser technology
- Temperature sensor

MR. FILL CONTINUES TO SAVE



5 to 7 times as much capacity

Compression with the press allows compaction of at least 1:5



At a distance

The flap can be locked remotely



75% cost savings

The waste bin does not need to be emptied as often, which results in significant cost savings.

THE STRONGEST IN THE MARKET



2mm high-quality steel

Mr. Fill is vandal-proof and has a very long life.



Robust stainless-steel closing flap

The flap is made of extremely strong material, making it resistant to all weather conditions. Unlike a hopper, the flap is not trapped by waste. The flap closes itself upon full notification.



Always connected to our Smart City Manager platform



Made in the Netherlands



3 year warranty due to robust quality



- ANGLED SOLAR PANEL FOR THE BEST SUN CAPACITY
- PERSONALIZED DISPLAY AND COMMUNICATES WITH THE AUDIENCE
- 24/7 GREAT VISIBLE RGB LED
- CAN BE LOCKED REMOTELY VIA OUR PLATFORM AT ANY TIME OF THE DAY
- STAINLESS STEEL FLAP
- FLAP LOCKS ITSELF WHEN THE BIN IS FULL
- 6000N COMPACTOR FOR THE BEST WASTE CAPACITY
- HEAVY DUTY FOOT PEDAL
- BEST QUALITY POWDER COATING
- VANDALISM PROOF BECAUSE OF HEAVY DUTY DESIGN

Ultra Fill 120L



The Ultra 120L is a solar compacting waste bin / waste compactor waste bin. A typical Dutch product that reduces the amount of litter in city centres all over the world.

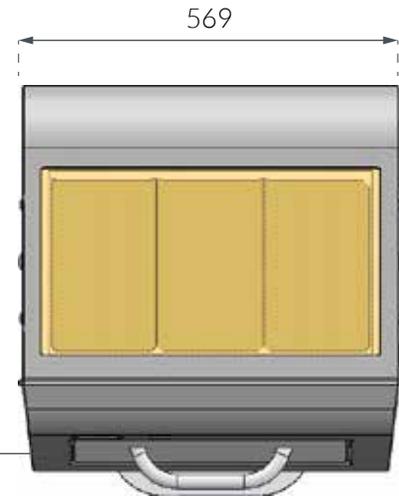
Mr. Fill's solar compacting waste bin / waste compactor waste bins have been designed and developed in the Netherlands. This Ultra 120L model can process 1:5 more waste compared to non-compacting waste bins.



Technical specifications	Ultra 120L
Dimensions	1385x569x569 mm
Throw-in opening height	1200 mm
Base plate dimensions	700x700x12 mm
Weight	140 kg
Material	
Hull & door	2mm high quality galvanised steel
Hull & top	Powder coating (colour of choice)
Flap	Stainless steel 316 thickness 1,5 mm
Press	Electronic press
Acuator	6000N

Standard	Optional
120L roll container	Galvanised pedal
Communication platform LTM-L1 / LTM-NB 2G / 3G	Communication platform 4G
Stainless steel flap	Stainless steel built In ashtray with Closed receptacle
Press	Personalised display (City logo)
Ral 7016	Stainless steel version
Solar panel	color of choice
2 keys	
Tracking	
Display	

Exploded view



Hull and door: 2mm powdercoated high quality steel. RAL 7016 or colour of choice

RGB display
Green: empty
Orange: nearly full
Red: full + locks automatically when full

E-paper informative display

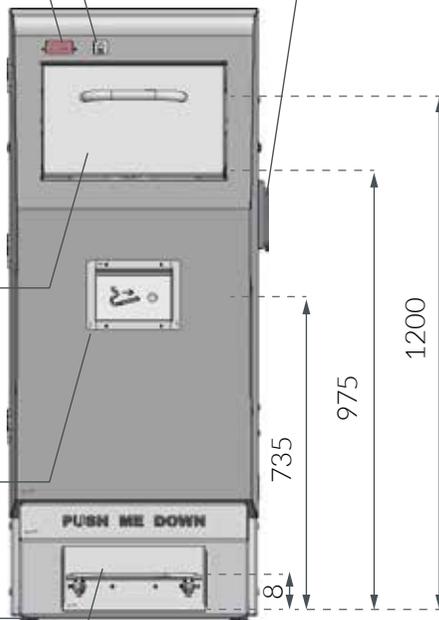
Door lock

Stainless steel 316 flap

Integrated ashtray with removable receptacle

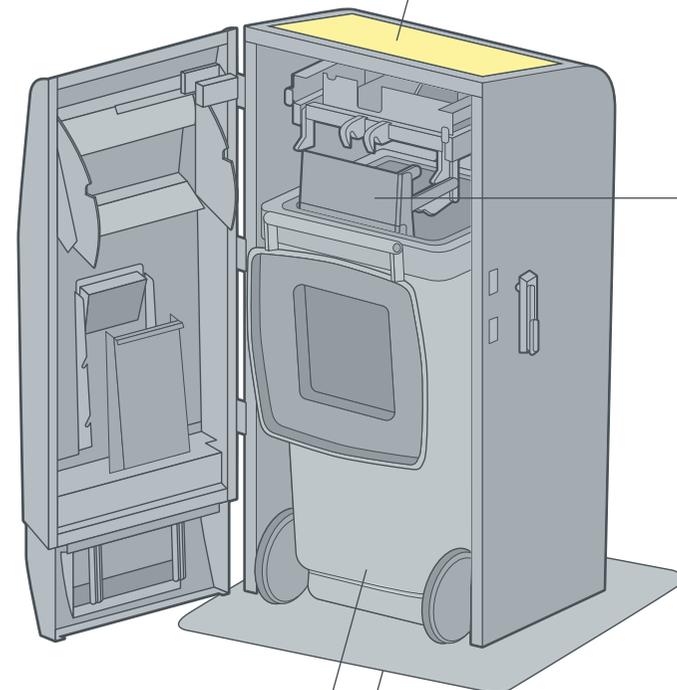
Adjustment handle

Galvanised pedal



Solar panel with polycarbonate protection plate

Press



Ultra Fill 240L



Great news! Our Ultra Fill 120L now has a larger brother: the new Ultra Fill 240L.

The Ultra 240L is a solar compacting waste bin / waste compactor waste bin. A typical Dutch product that reduces the amount of litter in city centres all over the world.

Mr. Fill's solar compacting waste bin / waste compactor waste bins have been designed and developed in the Netherlands. This Ultra 240L model can process 1:5 more waste compared to non-compacting waste bins.

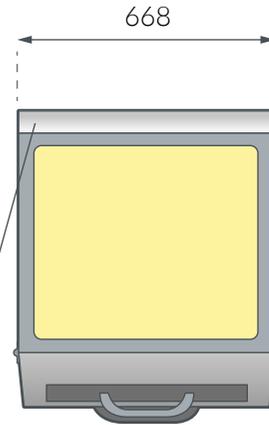


Technical specifications	Ultra 240
Dimensions	1480x668x765 mm
Throw-in opening height	1225 mm
Base plate dimensions	990x990x10 mm
Weight	160 kg
Material	
Hull & door	2 mm high quality galvanised steel
Hull & top	Powder coating (colour of choice)
Flap	Stainless steel 316 thickness 1,5 mm
Press	Electronic press
Acuator	6000N

Standard	Optional
240L roll container	Galvanised pedal
Communication platform LTM-L1 / LTM-NB 2G / 3G	Communication platform 4G
Stainless steel flap	Stainless steel built in ashtray with Closed receptacle
Press	Personalised display (City logo)
Ral 7016	Stainless steel version
Solar panel	Color of choice
2 keys	
Tracking	
Display	

Exploded view

Hull and door: 2mm powdercoated high quality steel. RAL 7016 or colour of choice



RGB display
 Green: empty
 Orange: nearly full
 Red: full + locks automatically when full

E-paper informative display

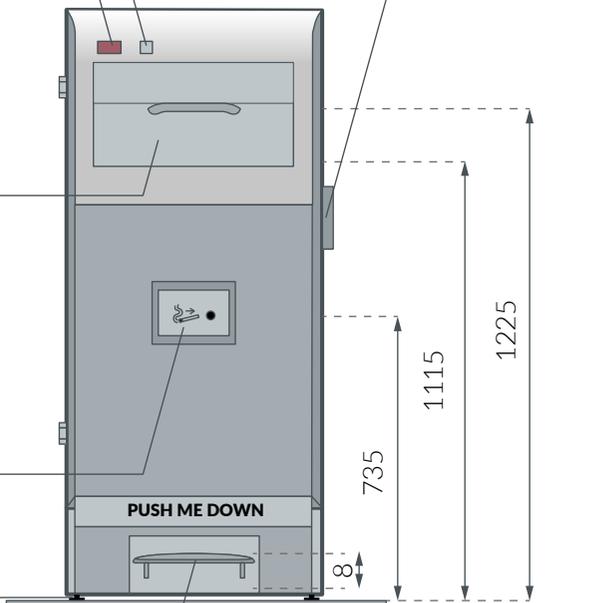
Door lock

Stainless steel 316 flap

Integrated ashtray with removable receptacle

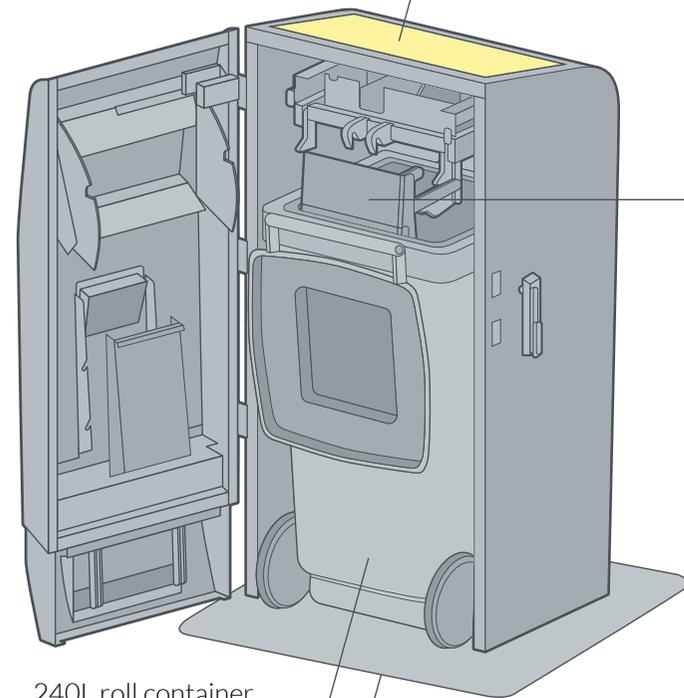
Adjustment handle

Galvanised pedal



Solar panel with polycarbonate protection plate

Pers



240L roll container

Optional: galvanised foundation plate 700x700x12



Smart waste collection

Townships and large cities are struggling with litter. Waste collection in a city such as Amsterdam takes place up to five times a day in a street with regular waste containers. This means that there also will be 5 times more traffic. A large, underground container in the city centre will not be possible in most cases.

Mr. Fill's smart waste bin solves these problems. Due to a built-in electronic press that runs on solar energy, a Mr. Fill smart waste bin can fit around five times more waste than a regular one. The bin uses mobile networks to let you know when it is almost full. As a result of this, cities never have to place extra bins nearby. In addition, Mr. Fill smart waste bins do not need to be emptied nearly as much as a regular one. This way, emptying can be done efficiently.

This leads to less litter, a reduction of CO₂ emissions and cost reduction up to 75% on waste collection. "The savings will be around €6.000 per container per year.", Kik explains. The bin can be locked remotely on distance. That can be useful during New Year's Eve.

LEASE A MR. FILL!

THE SELF COMPACTING BIN

240L



120L



-

**NO MORE
LITTER**

-

**LOWER CO₂
EMISSIONS**

**LESS
COSTS**

 **SMART
CITY
LEASE**

www.smartcity-lease.com

OUR NEWEST FAMILY MEMBER:

HEAVY HARRY

FOR GREATER VOLUME AND LESS LITTER.

WHY HEAVY HARRY:

- Press can be installed in new or existing containers.
- Use Smart City Manager to see when the container is full.
- Simple and wireless charging thanks to 230 volt induction.
- Connect Heavy Harries with each other using Smart City Manager. The driver will automatically receive the optimal itinerary.



SMART CITY

Heavy Harry can be connected to Smart City Manager.

A SMART PRESS FOR THE UNDERGROUND CONTAINER



SAFE

Safety lock, with a fall protection for children

SMART

Integrated weighmodule

EFFICIENT

4 times more waste in the standard machine

STRONG

Extremely high pressing force of 3500kg

LOW MAINTENANCE

Low maintenance press

HEAVY HARRY

The smart underground compactor



MORE VOLUME AND LESS LITTER

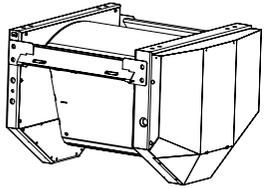
**Great news, we have a new member
in the Mr. Fill family!**

The heavy Harry, our underground press module is able to be placed in a new or in an existing underground container. The press is easy and wireless chargeable because of the 230V induction. By upgrading the underground container the container can handle 3 - 7 times more waste than normal.

By connecting your Heavy Harry to our platform 'Smart City Manager' you will know exactly when your container is full. Connect your Heavy Harries to each other and the driver will receive an automatic advice which route is the most efficient to empty the containers.



HEAVY HARRY H.22



Technical data

Press force: 2200 kg

Compaction: 1:3
(general waste)

Compaction: 1:5
(plastic)

Standard

Wireless charging 230V (Induction)

Fits in new & existing underground waste containers

Communicates with the platform 'Smart City Manager'

Lithium battery

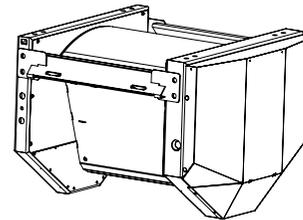
Electric hydraulic drive

Optional

Child fall prevention

Weight module (weighing waste)

HEAVY HARRY H.28



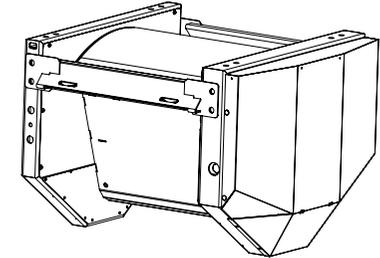
Technical data

Press force: 2800 kg

Compaction: 1:4
(general waste)

Compaction: 1:6
(plastic)

HEAVY HARRY H.35



Technical data

Press force: 3500 kg

Compaction: 1:5
(general waste)

Compaction: 1:7
(plastic)



Everything in hands of Mr. Fill

Factory of 10.000 m²





ALWAYS
CONNECTED WITH
THE SMART CITY
MANAGER



Twin Fill

Not one but two waste flows

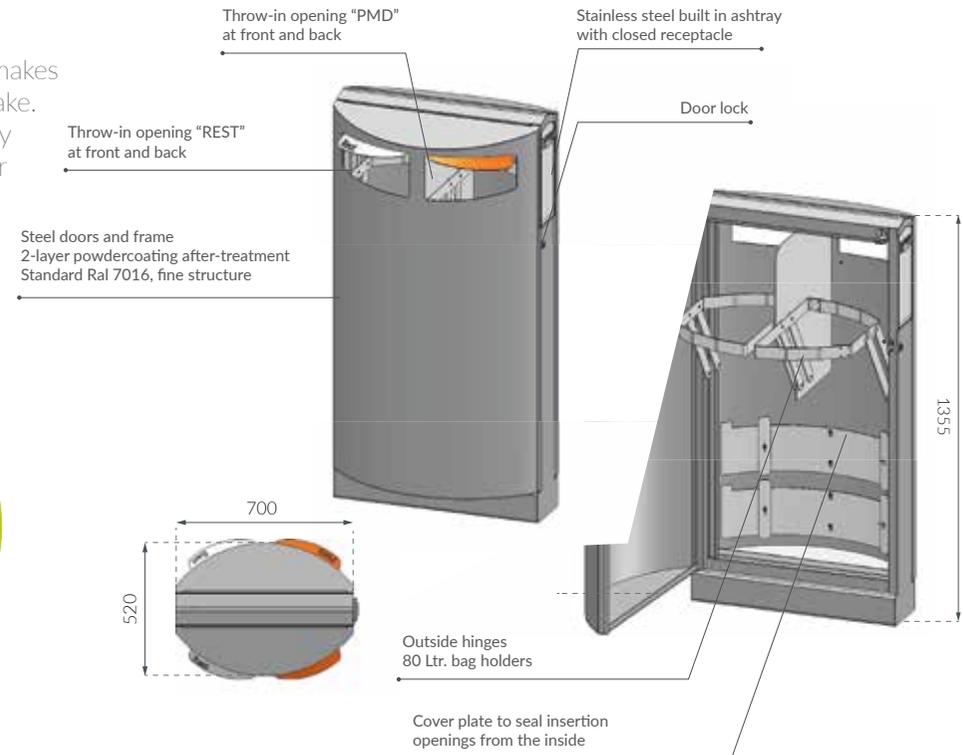


We also want to contribute to improve the environment. That is why we created a brand new product.

The Twin Fill is a bin with two separate waste flows, which makes separating waste a piece of cake. The two flows are immediately clear due to the text and color on the valves.



Technical specifications	Twin Fill
Dimensions	1395x700x520 mm
Throw-in opening height	1112 mm
Base plate dimensions	700x700x12 mm
Material	
Hull and door	2mm high quality galvanised steel
Hull and top	Powdercoating (colour of choice)
Standard	Optional
2 x 80L container	Sensor Fill
Stainless steel built in ashtray with closed receptacle	Stainless steel version
Ral 7016	Color of choice



CONNECT YOUR SMART CITY



STAY CONNECTED WITH SMART CITY MANAGER

Smart City Manager is a management and monitoring system that registers the status and usage data of the waste bin and informs your employees. If the waste bin needs to be emptied, Smart City Manager reports this on time by the app or an e-mail on your PC, tablet or smartphone.



Management & monitoring system

The settings of Smart City Manager can easily be adapted to your own wishes using your personal login data. The waste bin communicates 24 times a day with our platform.

Always and everywhere

Via the Smart City Manager app you always have access to all information regarding the Mr. Fill waste bins.



Vandalism proof & remotely lockable

Mr. Fill offers the possibility to lock the access valve remotely, for example during New Year's Eve. This saves time, money and unnecessary concerns.



Clear dashboard

Smart City Manager knows exactly what is going on in your city.

- Waste bin fill level
- Battery voltage measurement
- Solar energy capacity
- Location of the waste bin
- Remote locking of the waste bin
- Smart route

Smart city manager Software licenses

Features

1 year - Smart City Manager

5 year - Smart City Manager



Ask for Mr. Fill's references

IN MORE THAN 35 COUNTRIES



AMSTERDAM

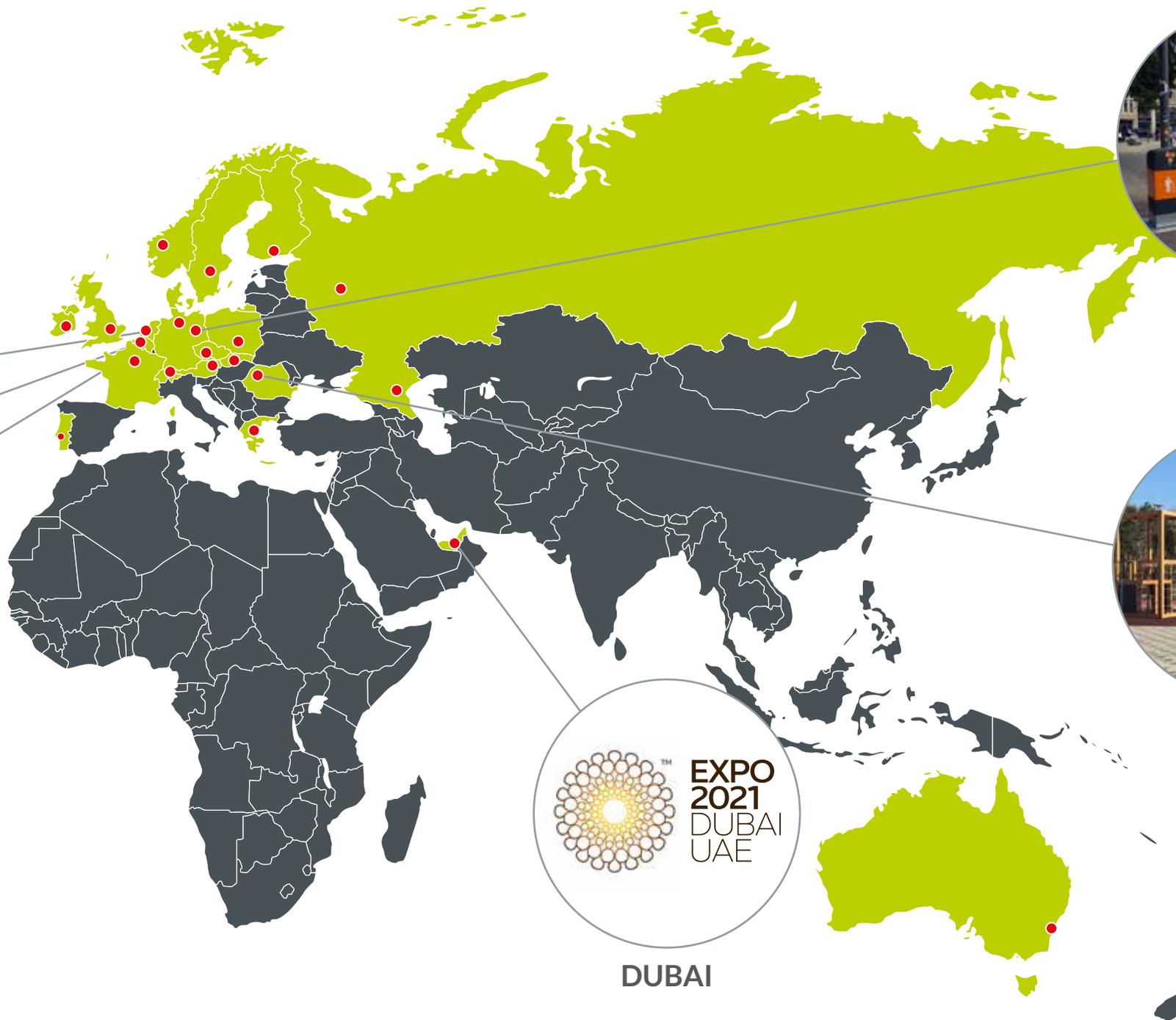


BRUSSELS



HAMBURG





BERLIN



CLUJ



DUBAI



For every Smart City



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