

Mr. Fill: solar powered, compacting waste bin

German EcoTec



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The Problem



- Standard waste bins are not sufficient enough
- Standard waste bins overflow and cause high cleaning costs
- On top they attract vermin, smell badly and are not hygienic



The Problem



➔ Costs are high due to high emptying frequencies

The Solution: Mr. Fill



Benefit: Compaction 1:5

Mr. Fill



16 x 50-Litre-Bins

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Benefit: Compaction 1:5

- ↳ A compaction unit does compact with a force of 500 kg, reducing waste volume down to 1/5
- ↳ => Less collection frequency, less labour time and labour costs are reduced significantly
- ↳ Each EconX has a capacity of about **800 Litres** uncompacted waste



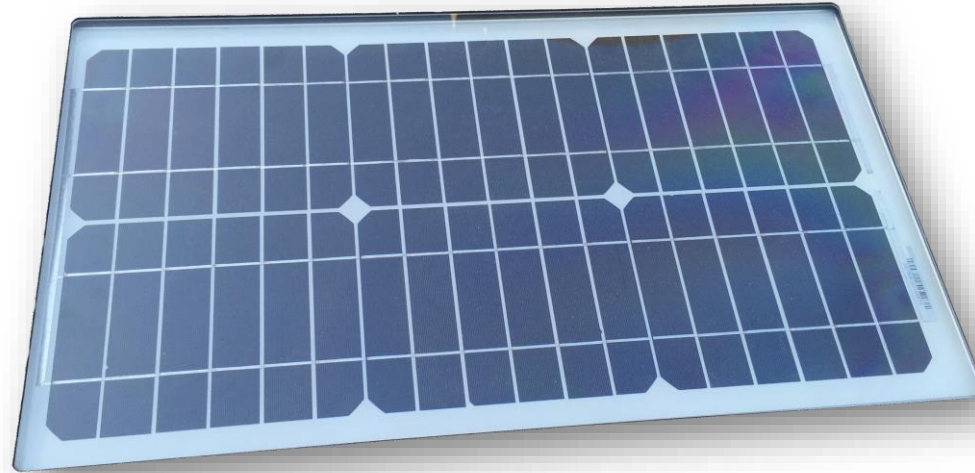
Benefit: 120 L Wheelie Bin



- Inner Bin: 120 L MGB-Standard wheelie bin EN 840 / RAL Quality Marc made of 100 % virgin HDPE
- Accredited for DIN-Comb-Collection **vehicle lifting systems**
- Choice of RAL-Colour
- No plastic bag needed, but can be used optional



Benefit: Solar-Powered



- ↳ Energy generated by a powerful solar panel
- ↳ 1 h sunshine grants an operation of the system for 1 month
- ↳ =>no energy costs, no power cord, maximum outdoor placement flexibility as no power access needed
- ↳ Very sustainable
- ↳ Optional indoor power cords

Benefit: handsfree function



Benefit: Safety and Cleanliness



- Hopper can be locked and unlocked remote control via Internet
- Safe: compaction only takes place if hopper and door are closed
- Hopper locks automatically if system is overfilled
- Handsfree function, also available without handle (only foot-Pedal)
- Closed system, no vermin, no smell, no spreaded waste.

Benefit: Material and Quality

- ↳ 3 mm Steel on the whole body
- ↳ Compacting unit, foot pedal, hopper and ashtray in stainless steel
- ↳ Extreme temperature and humidity resistant
- ↳ Vandalism-proof
- ↳ Optional: anti-graffiti und anti-sticker coating
- ↳ Manufactured in line with high German quality standards



Benefit: Ashtray



- Integrated stainless steel ashtray

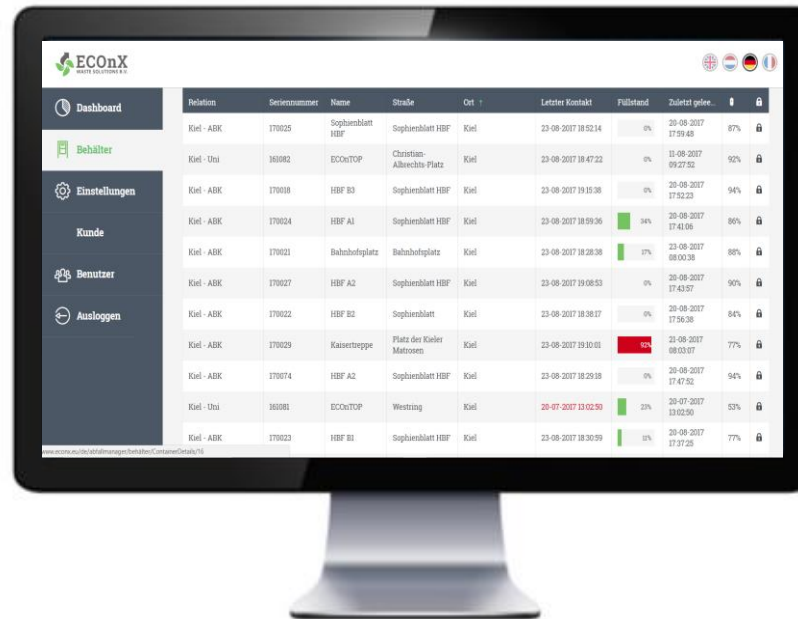


Benefit: Waste Management Software

- Internet-based documentation, monitoring of filling levels, location and emptying records
- Administration, planning and analysis of records
- User-friendly, cloud-based access and customized notifications
- European data security directive
- IoT => Waste Management 4.0



Benefit: Waste Management Software



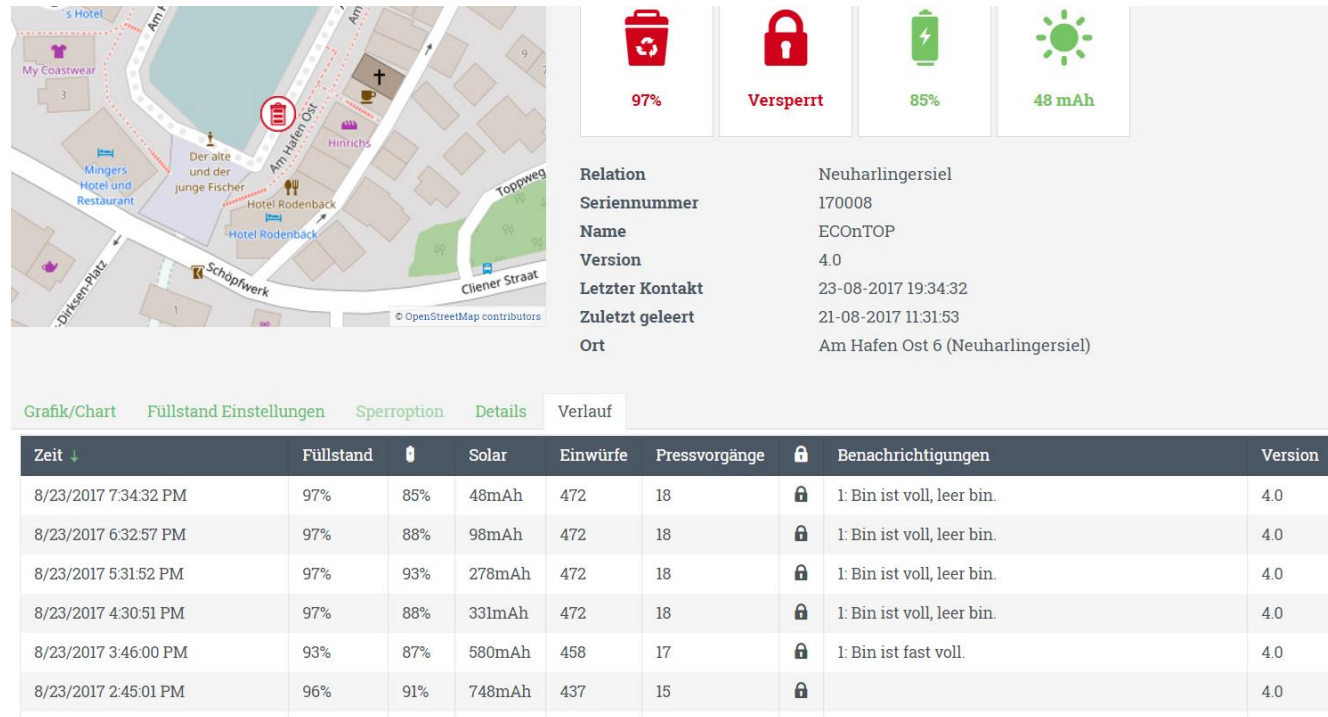
1. Total transparency on filling levels, shown in % and according colours (green - empty, yellow, red- full)
2. Language Customization
3. GPS Tracking

Benefit: Waste Management Software



- ↳ Monitoring filling levels, solar power, battery power, compactions and throw-ins
- ↳ Data available via Cloud on every internet device

Benefit: Waste Management Software



- ➔ User-friendly, easy and self-descriptive platform
- ➔ Monitoring and efficient processes

Benefit: Customisation

- ↳ Customized display and LED
- ↳ Electric power cord for inside use
- ↳ Variable locking systems
- ↳ App on Android und iOS



Benefit: Customisation



- ➔ Optional floor panel to prevent an overthrow if not possible to fix the system to the ground

Benefit: Customisation

- Experience has shown, that waste bins are much more accepted, if they are painted in shiny colours or are branded with motivating slogans or graphs bringing back to memory environmental care. Mr. Fill can be powder coated in any RAL Colour, so the bins are in line with the surrounding area. Same via long-lasting foiling with customized slogans, pictures or logos.



Benefit: Customisation



- Any RAL-Colour available
- Optional in 100% in stainless steel
- Optional without handle – only foot pedal

Benefit: Customerisation



- ➔ Optional non-compacting „side-station“ for paper or glass collection

Summary

- Compaction 1:5 – less calls for emptying, optimization of emptying tours, labour time reduction and cost reduction
- Proven much better cleanliness in the surrounding area
- Solar-powered – no energy costs, no power cords, total outdoor placement flexibility
- Inner-bin: standard 120 L wheelie bin, accredited for comb collection vehicles
- Waste-Management Software – Internet based monitoring, administration and analysis under European data security directive
- Safe, clean and sustainable
- High quality standard and reliability
- Foot-pedal, ashtray and available in any RAL colour

Kontakt

Dr. Alexander Rochlitz

German EcoTec GmbH

Neuenkampsweg 4
25337 Elmshorn (Hamburg)
Germany

Tel: +49 4121 - 57898 90
info@german-ecotec.com

www.german-ecotec.com

