

Future-oriented solutions for the recycling industry



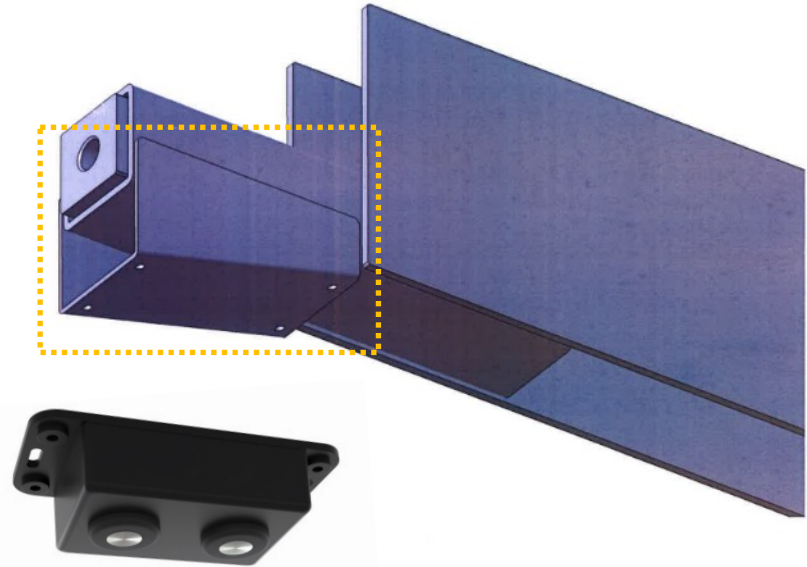
Recycling Bins

For over 30 years, **C.F. Maier** has been a respected manufacturer and supplier of fiberglass recycling bins.



- Containers sealed to keep out elements
- Made of durable material (FRP - Fiber-Reinforced Plastic)
- Efficient emptying mechanism using a proven truck borne crane system
- Variety of Bin-Sizes
- Available in the standard color beige or in custom colors
- Made in Colorado

The new smart Recycling Bins



A factory preconfigured sensor for measuring the container fill level is attached to a bracket on the interior frame of the container with a quick-adhesive glue.

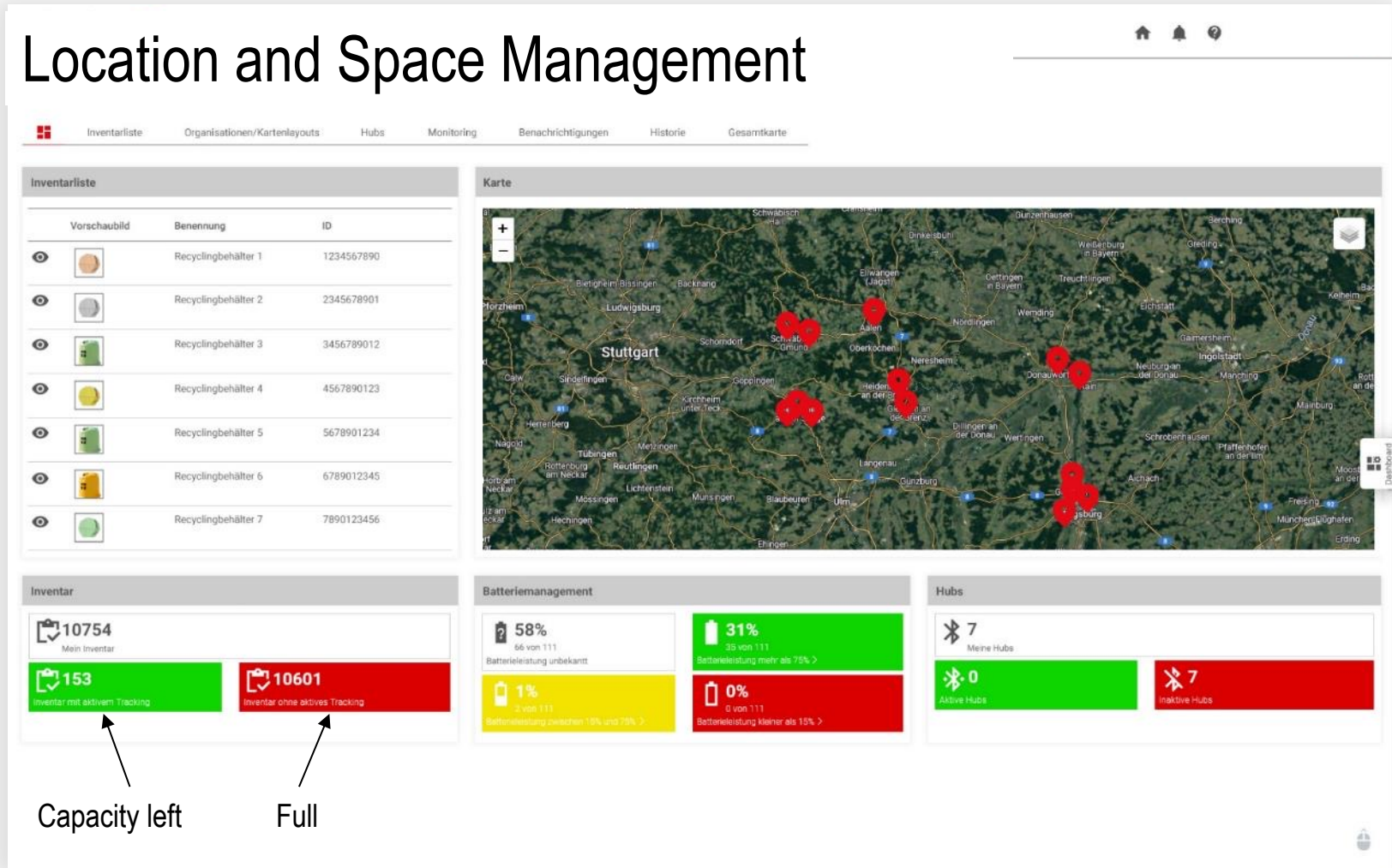
Smart device for level measurement in large and small bins

- Battery operated, lifespan up to 5 years and replaceable
- Ultrasound technology
- The ultrasonic pulses emitted by the sensor are reflected by the surface of the material and detected by the sensor. The filling level is calculated from the received data
- The sensor then transmits the information to a computer running special software



The Dashboard on a Computer or Smart Device

Location and Space Management



Inventarliste

Vorschaubild	Benennung	ID
	Recyclingbehälter 1	1234567890
	Recyclingbehälter 2	2345678901
	Recyclingbehälter 3	3456789012
	Recyclingbehälter 4	4567890123
	Recyclingbehälter 5	5678901234
	Recyclingbehälter 6	6789012345
	Recyclingbehälter 7	7890123456

Karte

Map showing the location of recycling bins around Stuttgart, Germany. Red markers indicate bin locations on a satellite map.

Inventar

Mein Inventar: 10754

- Inventar mit aktivem Tracking: 153
- Inventar ohne aktives Tracking: 10601

Batteriemangement

- 58% (66 von 111): Batterieleistung unbekannt
- 31% (35 von 111): Batterieleistung mehr als 75%
- 1% (2 von 111): Batterieleistung zwischen 15% und 30%
- 0% (0 von 111): Batterieleistung kleiner als 15%

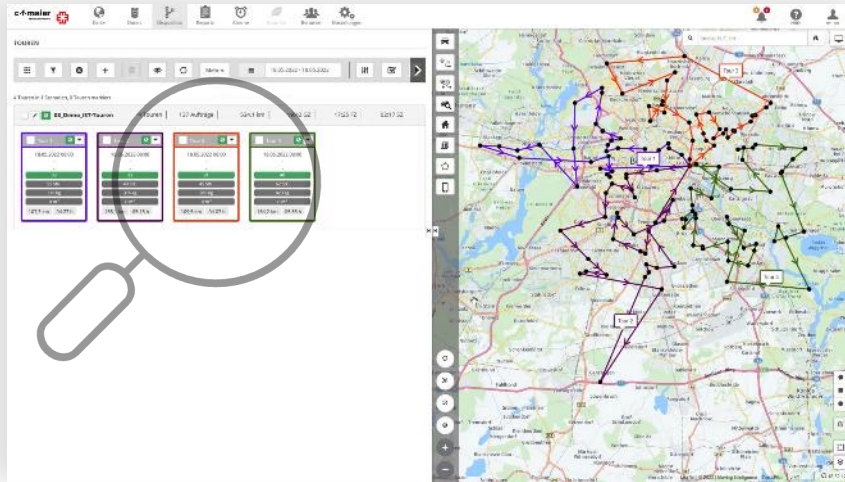
Hubs

- 7 Meine Hubs
- 0 Aktive Hubs
- 7 Inaktive Hubs

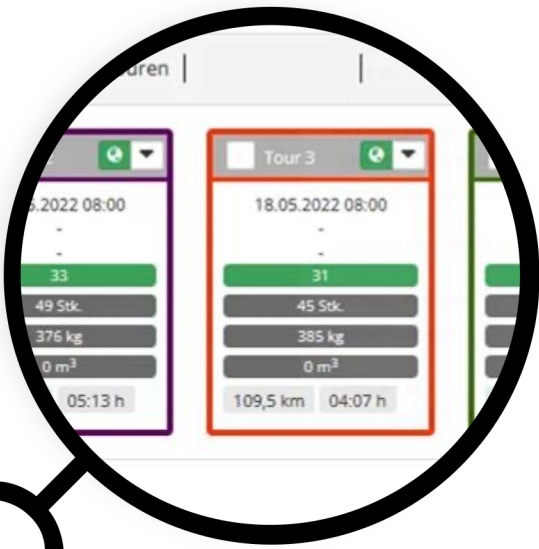
Annotations: Capacity left (pointing to 153) and Full (pointing to 10601).

Original Abbildung

Intelligent route planning for cost efficiency



- When using the CFM solution, routes are optimally calculated according to defined parameters
Example: Every morning all containers with a capacity greater than 80% are selected and grouped into tours.
- These are transmitted to the drivers in an app and they can navigate using them.



Smart Recycling Bins from C.F. Maier

For more information or quotes please contact:

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