

cirkelø

**Drop.
Track.
Recover.**

For Denmark's Miljøkasse model: household
electronic and hazardous waste collection for
European cities.



The gap is visibility.

Manual collection hides what matters.

Teams need to know what was dropped, where it is, and whether it reached sorting.

Collection pain points

01 No live site view

Teams cannot see box state remotely.

02 Unclear pickup timing

Routes depend on manual checks.

03 Harder follow-up

Sorting records arrive too late.

Introducing Cirkelø.

A smarter box exchange cabinet.

Residents drop a full box and take an empty one. Staff get a clean record.



Cabinet promise

01 Simple access

Resident scans or taps once.

02 Viewing panels

Closed doors show box presence.

03 One box format

Same flow across every site.

How it works.

Scan, swap, close.

The resident sees one clear action at a time.



Resident exchange flow

01 Scan or tap

Access opens one assigned bay.

02 Drop full box

Full box goes into the open bay.

03 Take empty box

Replacement box is retrieved.

Every box leaves a record.

ID, cabinet weight, place, time.

The cabinet logs weight inside the cabinet, then the record follows the box through pickup and sorting.



Traceability record

01 Box ID

Unique box reference.

02 Weight

Measured inside cabinet.

03 Location

Cabinet and site recorded.

04 Pickup

Collector scan confirms move.

05 Sorting

Outcome added after review.

Start compact. Scale cleanly.

One design language across sites.

Use the same cabinet family from small entrances to larger shared locations.



Cabinet options

01 2-box unit

Small entrances and pilots.

02 3-box unit

Standard residential capacity.

03 6-box unit

Higher-volume shared sites.

Cleaner collection. Clearer recovery.

Simple outside. Traceable inside.

A calmer drop-off experience and a better operating picture for the teams behind it.



Operational result

01 Less guessing

Teams see what changed.

02 Fewer missed trips

Pickup is based on cabinet state.

03 Better records

Each box keeps a clear trail.