

Smart DRS

Simpler, affordable, more secure and AI-powered Deposit Return System



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Strengths



- **Significantly lower fees**
- **Accepting crushed bottles**
- **No national EANs**
- **Supporting Back-to-Retail model**
- **Automated reporting**
- **Faster and more convenient returns**
- **Full traceability**
- **Ultimate fraud prevention**
- **Warehouse optimization**



Technological evolution of the system

Solution



Unique Container ID

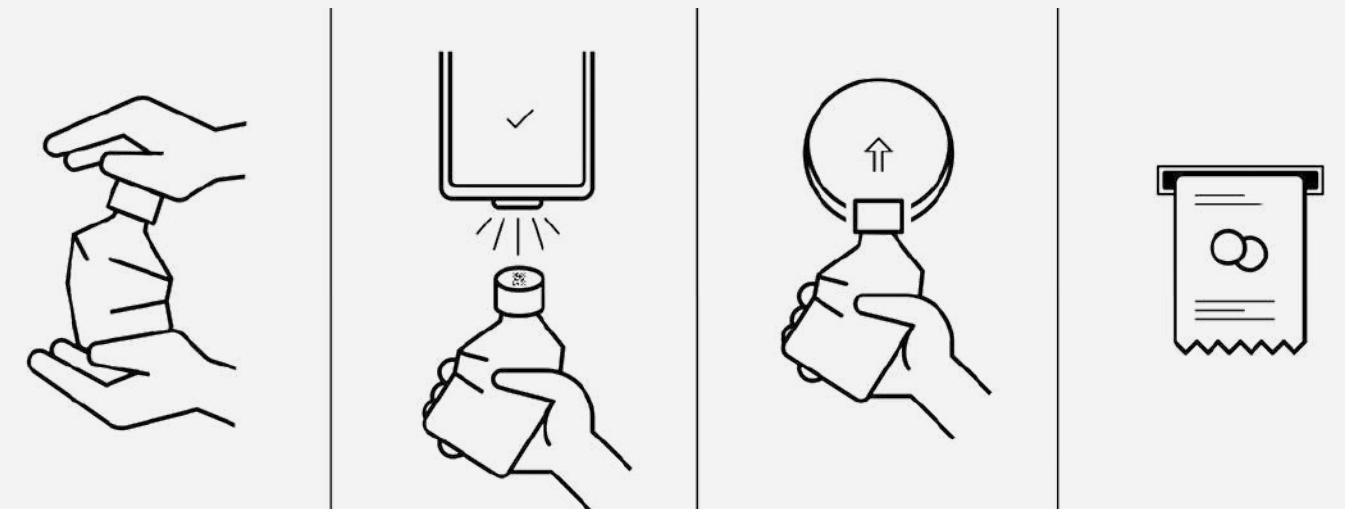
Data matrix code printed or laser-engraved on the cap or lid of the beverage packaging

Smart Production Line

Existing production lines using non-invasive high-speed scanners to track every single beverage container and fully automate reporting.

Smart Collection Point

A lean and affordable alternative to RVMs, enabling secure, fast, and user-friendly returns.



Solving challenges of various stakeholders within the system

Expectations



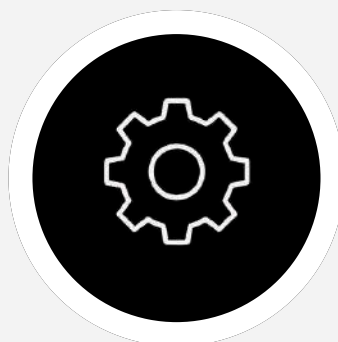
Consumers

- Ability to compress beverage containers
- Faster collection process, avoiding long RVM queues
- More convenient and accessible collection points



Retailers

- Lower investment and operational costs
- Savings on retail space
- Savings on employee time
- Increased customer satisfaction



Operators

- Automated reporting of volume placement
- Ultimate elimination of fraud
- Interoperability between national markets
- Potential use of standard waste infrastructure



Producers

- Reduction in industry fees and handling fees
- Savings on warehouse space
- Automated reporting of containers in the market
- Ability to track the lifecycle of each container

Done and active worldwide pilots

Deployments

A white, crumpled plastic bottle, likely a Tetra Pak, shown in a three-quarter view. It has a white cap and a white body. The bottle is surrounded by four small green dots: one at the top left, one at the top right, one at the bottom left, and one at the bottom right.

23k+ beverage
containers returned
at 2 of the largest
beverage producers
in CEE

First return system
for Tetra Pak in the
world as schools in
Singapore recycle
with Smart DRS

One of the largest
employers in the CEEE
region is using the Smart
DRS within its closed
plant environment 100K+
returns monthly



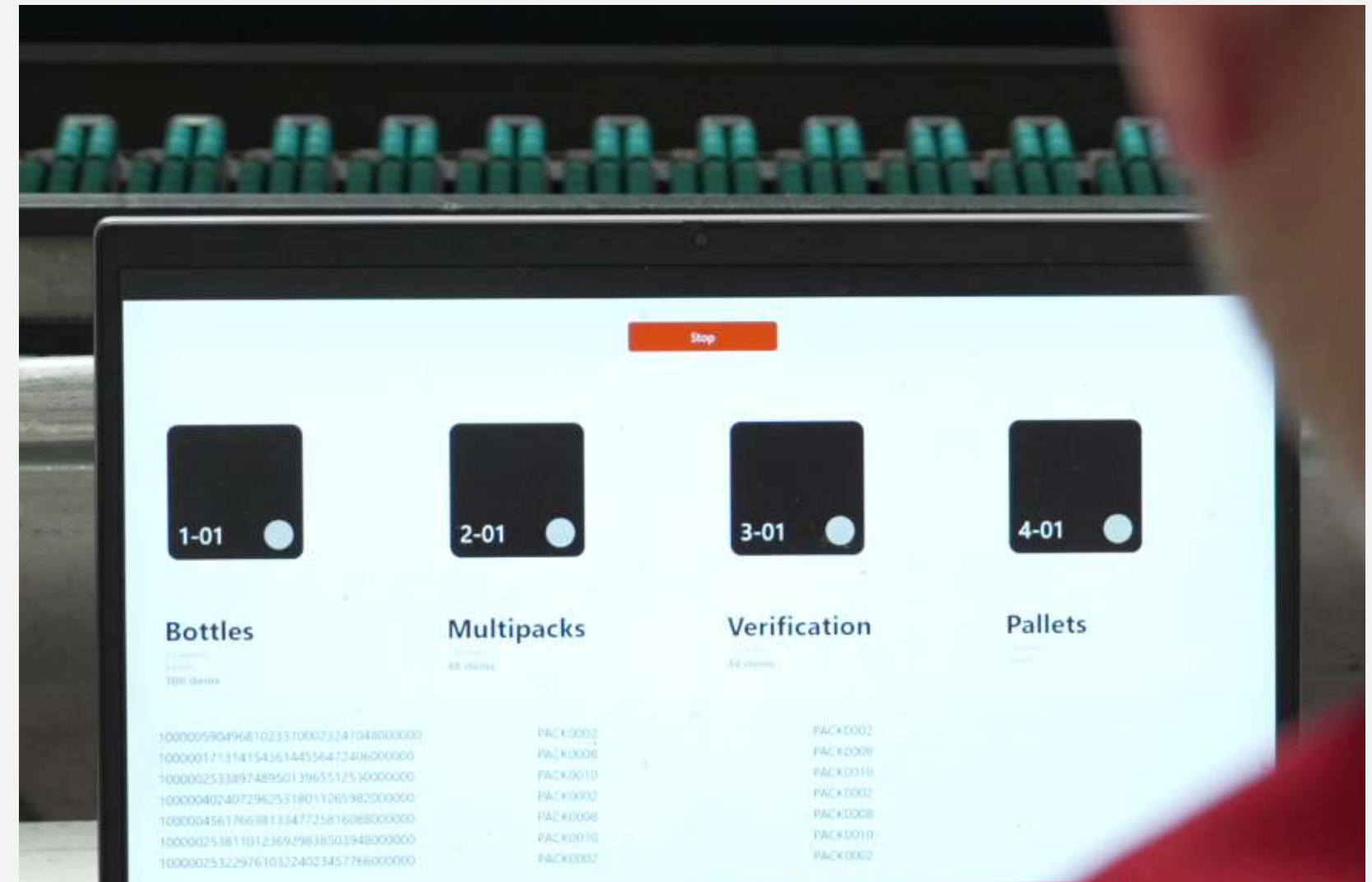
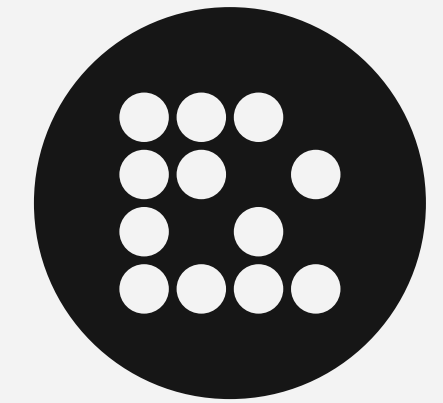
Real-life deployment of the solution | Smart Collection Point

In Practice



Real-life deployment of the solution | Smart Production Line

In Practice



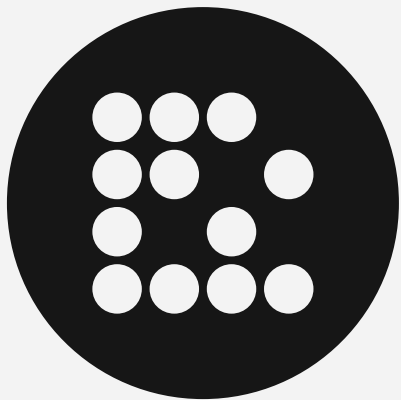
Real-life deployment of the solution | Unique Container ID

In Practice



Key benefits in numbers

Results



-81%

Purchase or lease costs
Compared to RVMs



-41%

Operational costs
Compared to RVMs



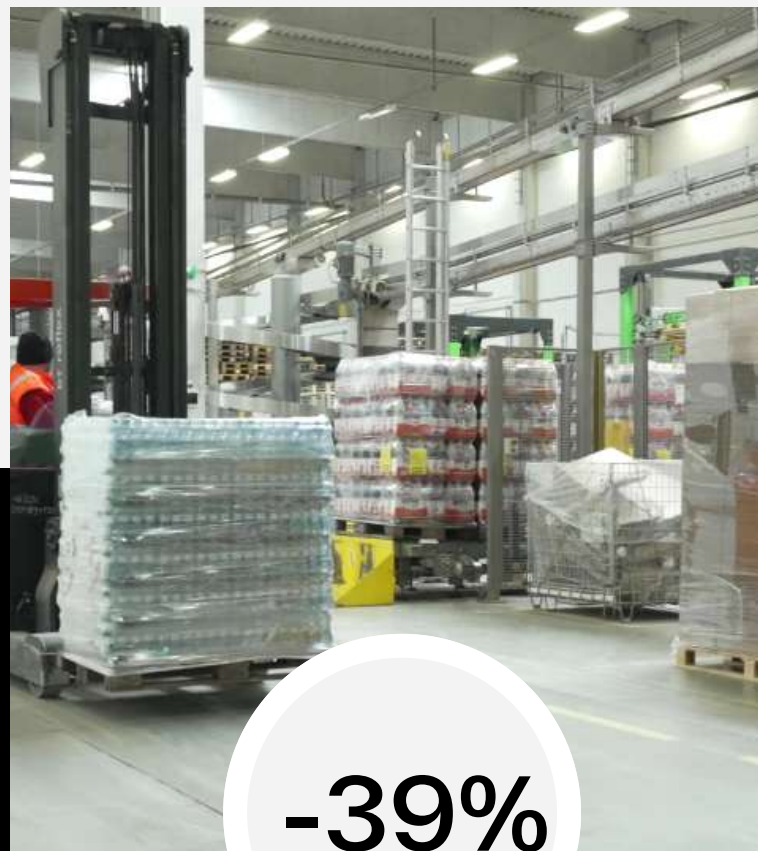
-50%

Time of the return process
Compared to RVMs



-25%

Staff workload
Compared to RVMs



-39%

Lower costs for
Industry Fee
Compared to
traditional DRS

Key benefits in numbers

Results



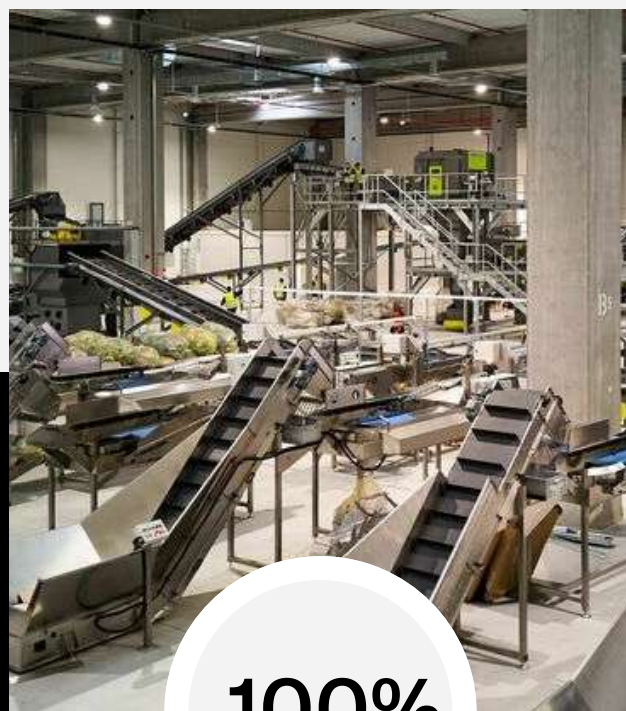
-48%

Lower costs for
Handling Fee
sDRS compared to
traditional DRS



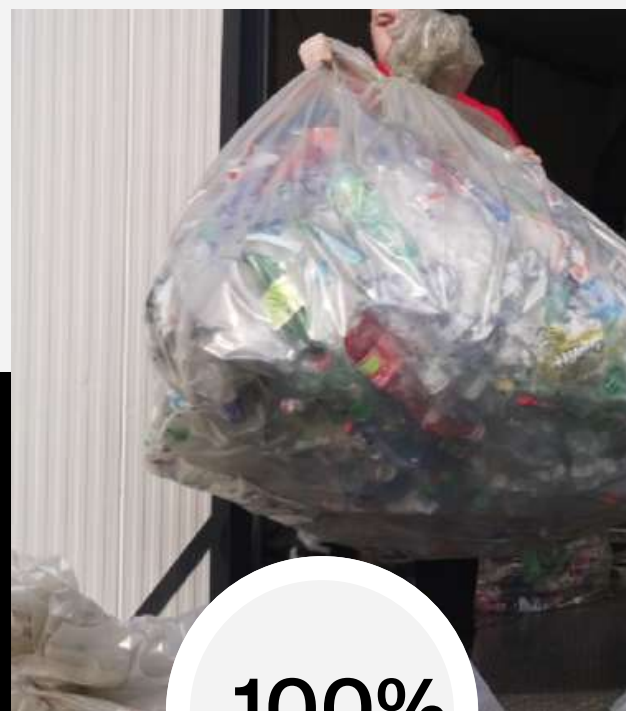
-26%

Lower costs for
Logistics
sDRS compared to
traditional DRS



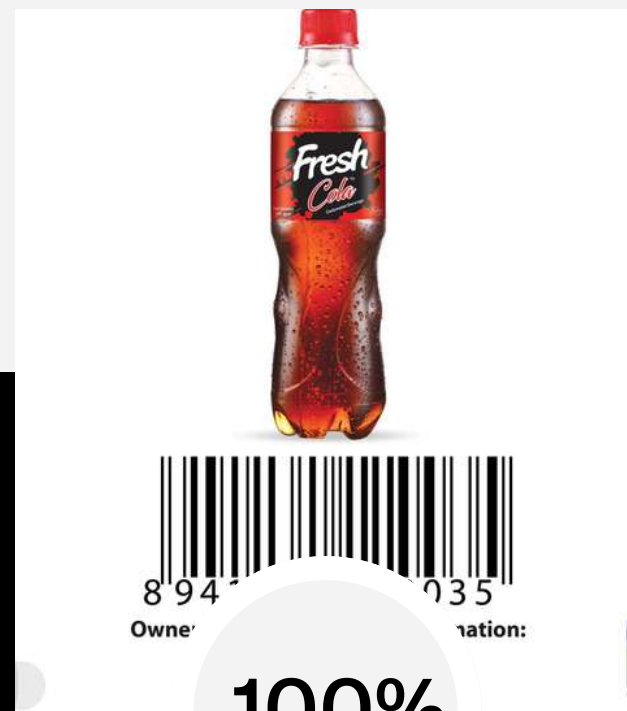
-100%

Lower costs for
Counting Centers
sDRS compared to
traditional DRS



-100%

Lower costs for
Plastic Bags
sDRS compared to
traditional DRS



-100%

Lower costs for
National EAN
sDRS compared to
traditional DRS



-100%

Lower costs for
Fraud
sDRS compared to
traditional DRS

Thank you

Find out more at smartdrs.com

