

GDB: Facts and Figures





- Trading and service company of German mineral water bottlers
- Cooperative ("non-profit" business)
- Headquarters: Bonn, Germany
- Founded: 1937
- Members: 150 (nearly all German mineral water companies)
- Turn over 2023/24: ca. 140 m. €
- Staff (group): 50

Corporate Structure



Genossenschaft Deutscher Brunnen e.G.

Purchase Technics Pool Management

100 %

PETCYCLE GmbH

PET-Circular System
Clearing
Mass Flow Verification





LOGICYCLE GmbH

Consulting

Glas-Reuse System Crate Recycling Reuse-to-go-Cup Reuse-Trays Sorting-Services rPET Brokerage





INTERCYCLE GmbH

Single-Use-Deposit Clearing
(R)VM Connection
DPG-Depositlabel
Financial Clearing
Counting Centres
Logistics



Why Al to manage Reuse Systems?



The elementary allocation problem and permanent optimization task of established reuse systems

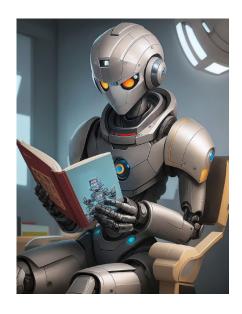
To provide as much as possible containers to respective users with as little as possible containers in the system (at lowest cost & lowest environmental impact!)

Can AI help to solve this task?

Different kinds of Al...



Machine Learning



Large Language Models & Generative Al



Al in Reuse: not that new...





What's on the way?



On the way to optimize our reuse systems?!



• Sales Forecasts based on a set of upt o 80 variables



Forecasts of when and where reuseables are returned



Availability & Quality

Status & Next Steps



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