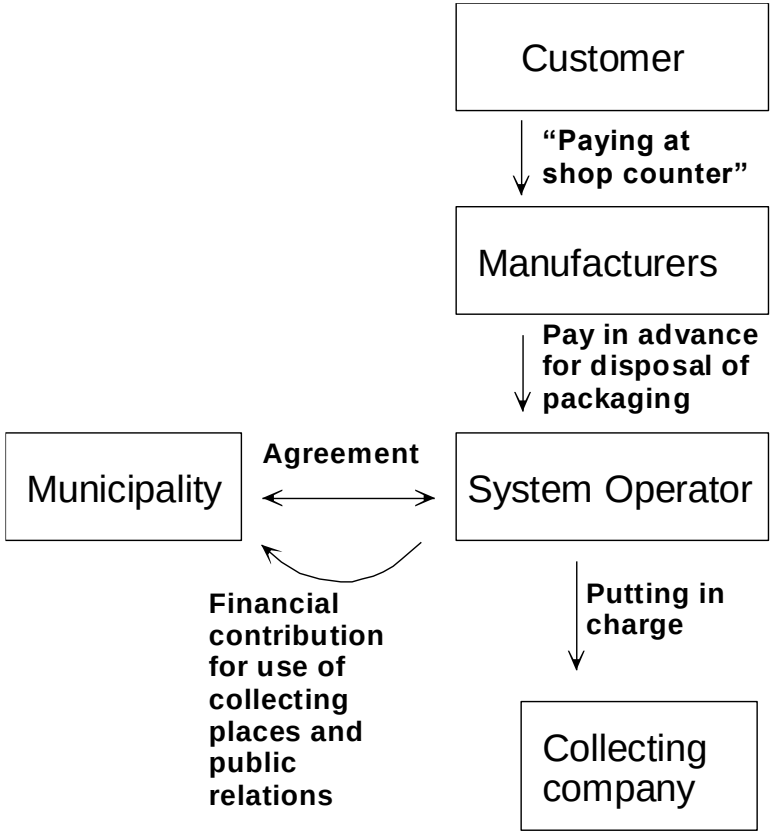
Collection of used glass in Düsseldorf

Collection of glass (packaging) in Germany

German packaging act:

- defines (kind of) enhanced producer responsibility („EPR“)
- organized by competing System Operators, in coordination with the municipalities



Containers for glass in Düsseldorf

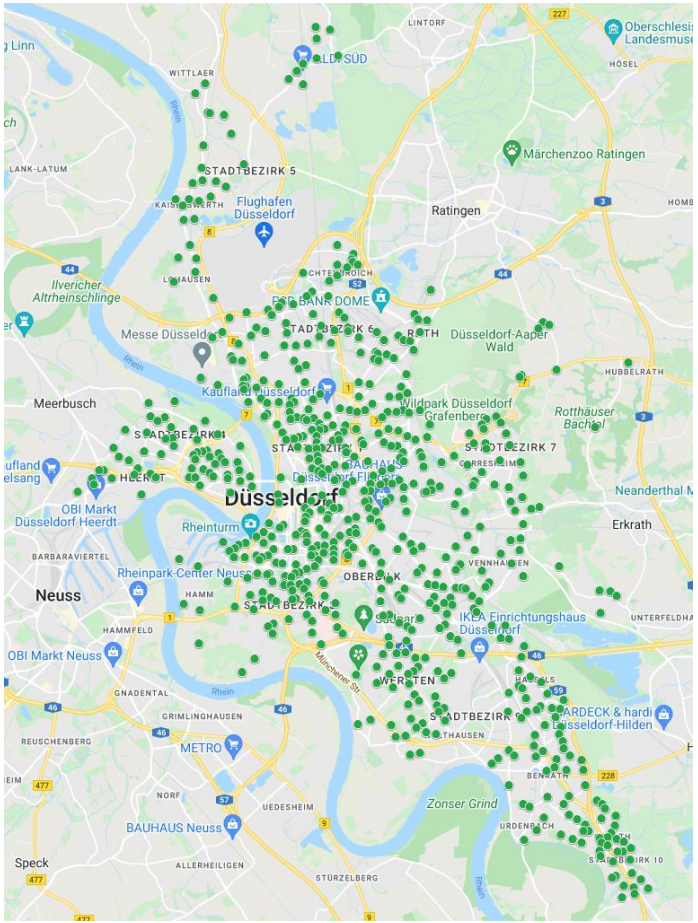
~ 710 places

Containers for brown / clear / green glass

14.230 t in 2021 (~ 23 kg/Inh.a)

~ 660 places: „common“
containers owned
by collecting company

~ 50 places: underground
containers owned
by the City



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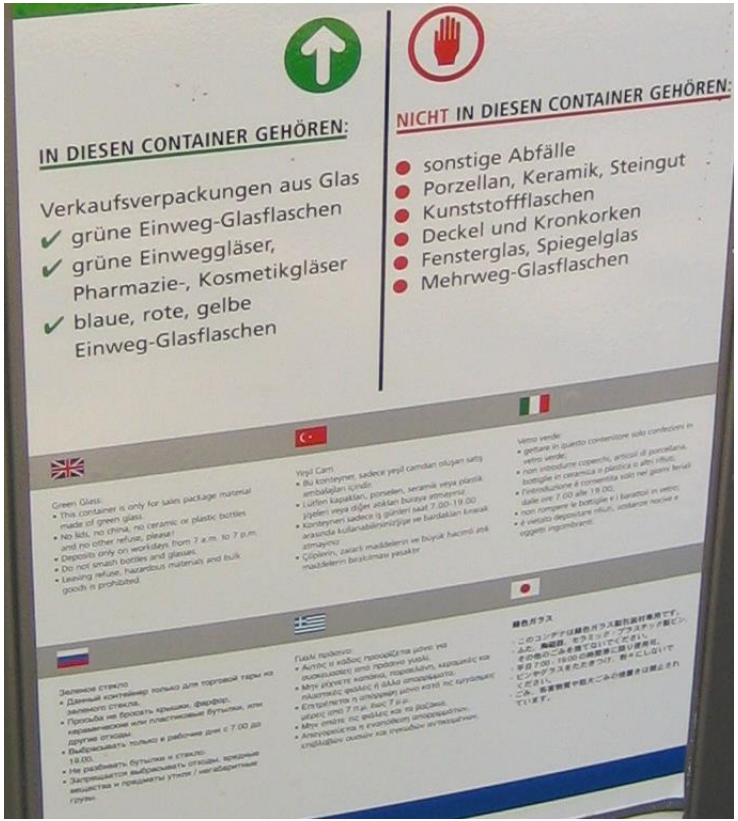
„Common“ containers

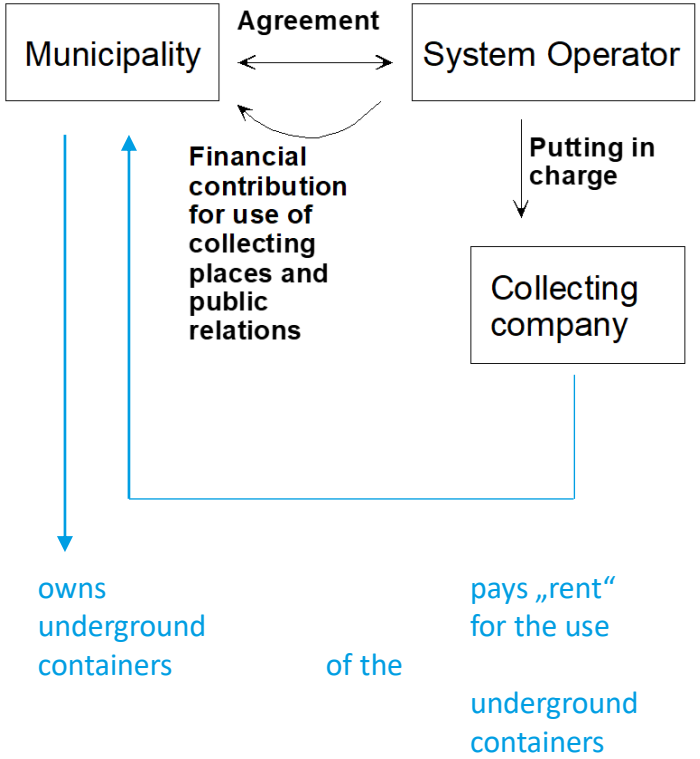


Noise protection:

- distance to dwelling houses
  min. 12 m
- use between
  7 a.m. and 7 p.m.
- noise insulation

Underground containers

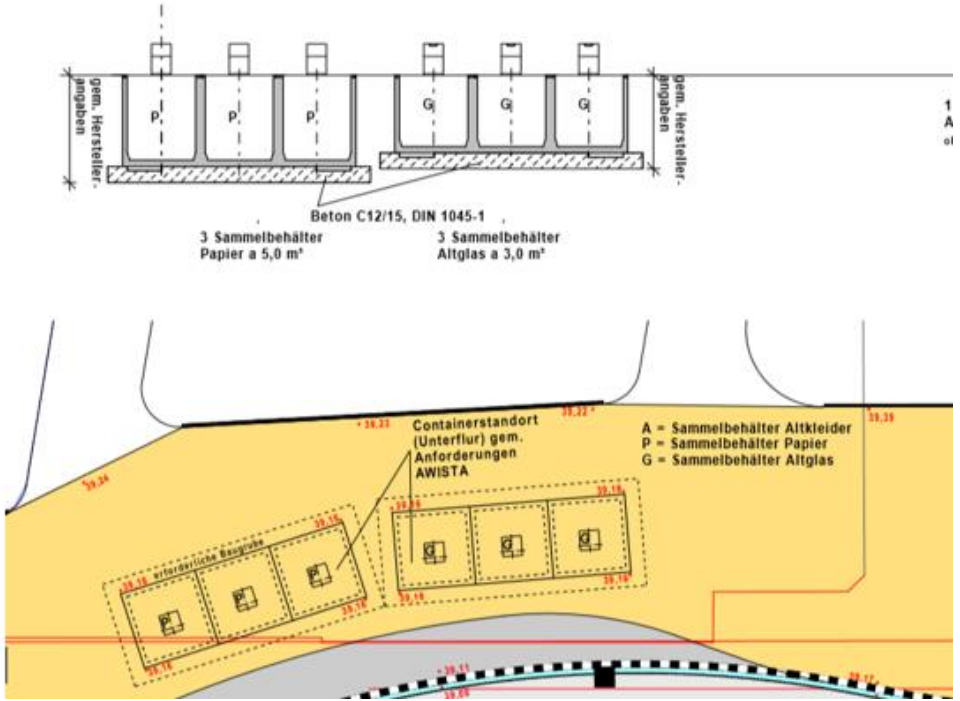
- better cityscape / „look“
- less noise



Laborious planning

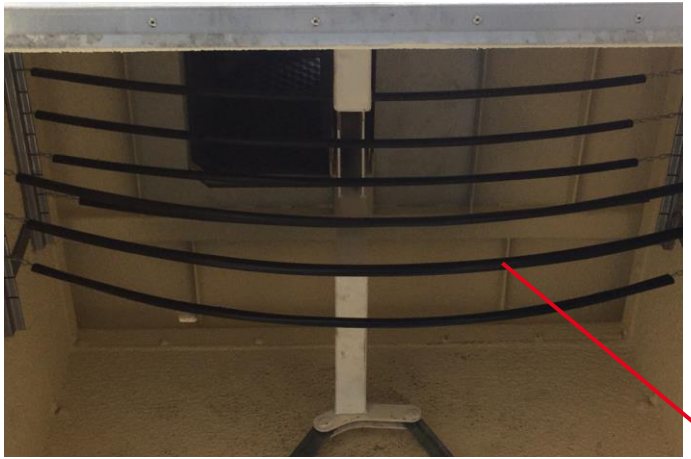
E.g.:

- no „underground collision“ with sewage pipes, tree roots etc.
- no cables (tram etc.) above
- easy access for crane vehicle
- cover plate horizontal / without gradient, a few cm above pavement level (to prevent inflow of rainwater)



Underground containers:
Security, noise protection

Noise protection:
- foam coated chute,
- coated chains to slow down bottles



Security platform:
- rises when the container is pulled out of the shaft
- prevents people from falling into the shaft

Thank you for your attention !

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