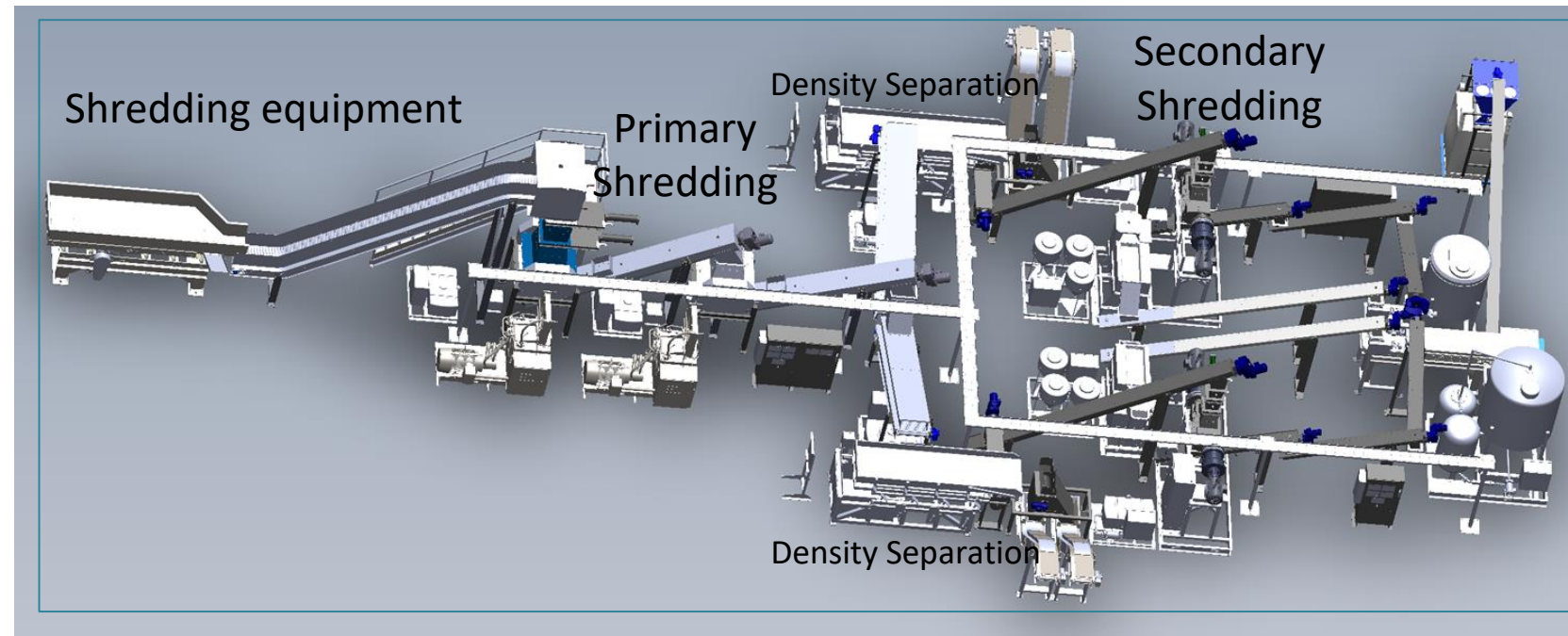
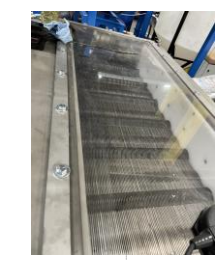


# UK Shredder Overview



Overview picture from Germany currently commissioning the plant.

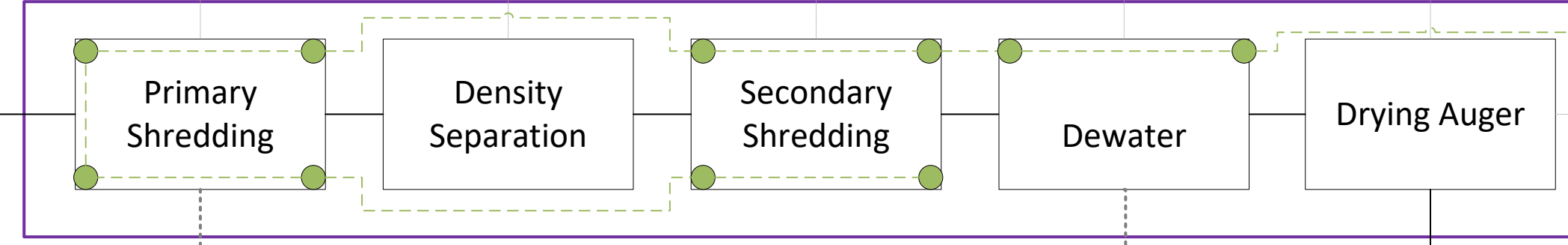




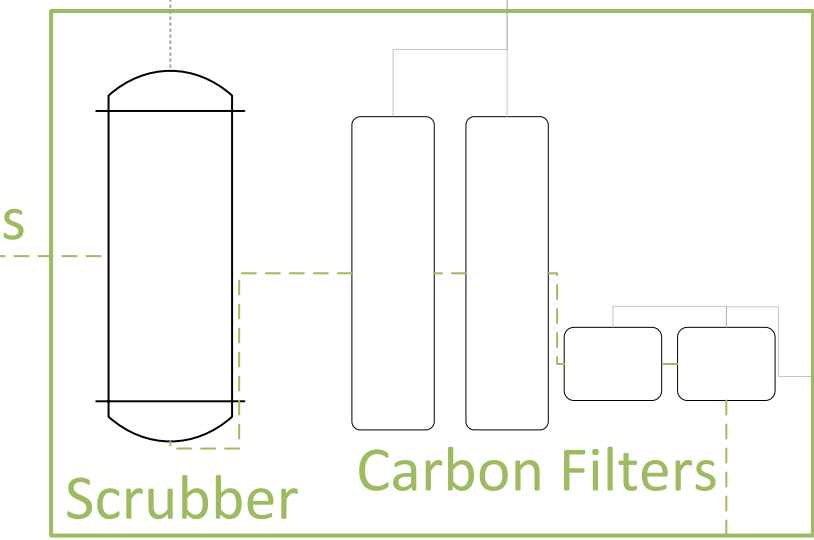
Input

Whole Batteries  
Production Scrap, etc  
Haz & Non-Haz

Controlled Atmosphere (Nitrogen & Water)

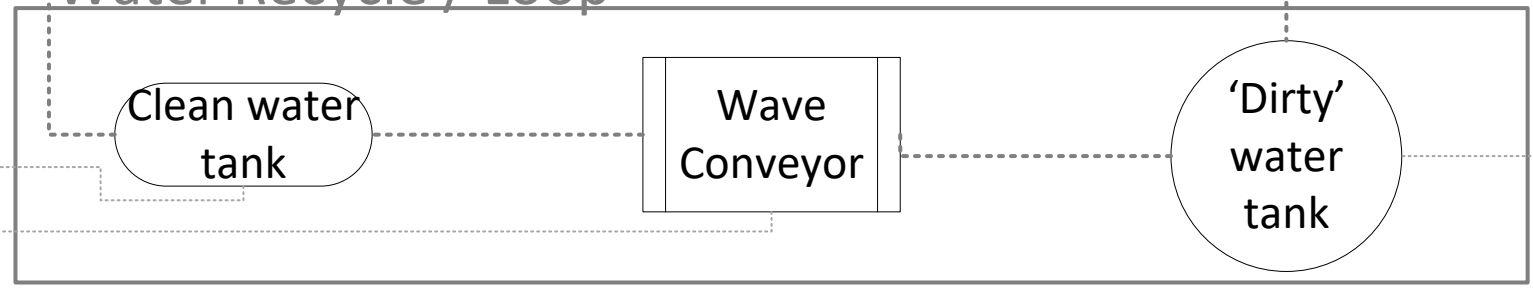


VOC Collection Points

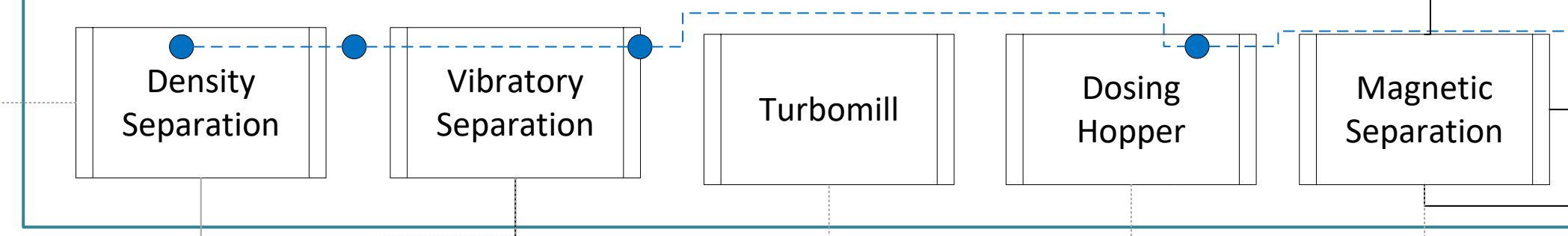


Carbon Filters

Water Recycle / Loop



Dry shred separation

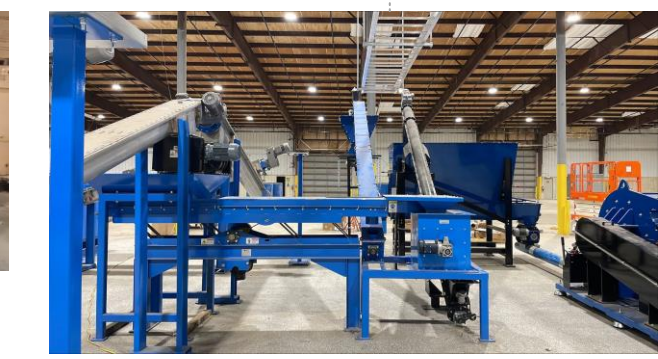


Dust Collection Points



Al foil,  
Copper,  
Plastic,  
Paper

Black Mass  
(BM)



Steel

Mixed  
Ferrous  
(Fe/Ni)



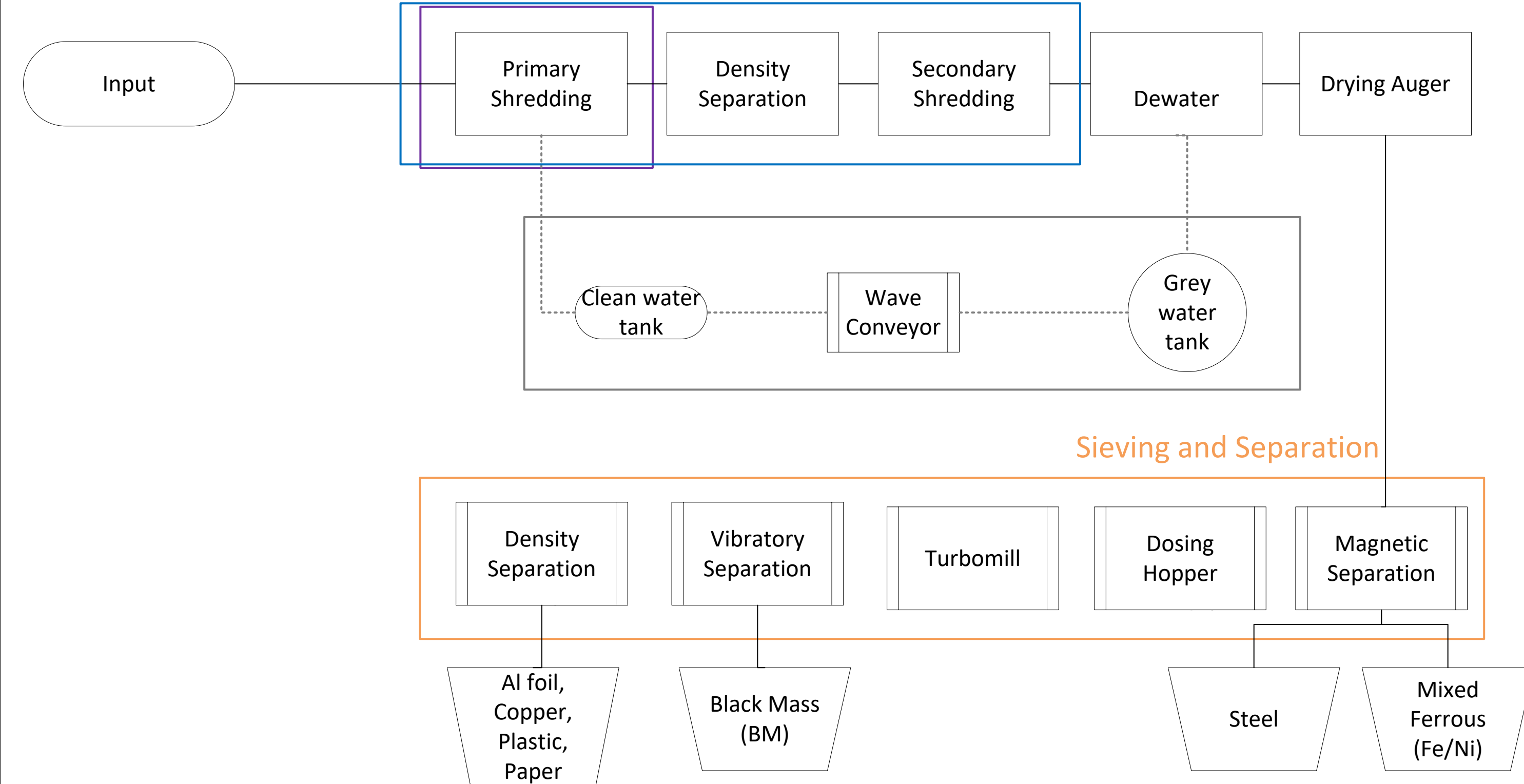
Due to the chemical composition and similar characteristics between the waste streams entering the plant (deemed hazardous and non-hazardous), the plant will not be shut down, cleaned between processing of these materials. Risks are eliminated of processing both materials, the hazardous materials 16 06 03\* for example (components of the lithium battery), the non-hazardous materials 16 06 05 (lithium battery).

\*Images taken from Ecobat German plant for visual purposes.



Shredding Non-Hazardous  
Shredding Hazardous

Shredding Hazardous



- Shredding non-hazardous waste e.g. 16 06 05 (shredding of whole lithium batteries) – This will be covered by a directly associated activity for metal shredding at less than 75 tonnes per day for recovery of non-hazardous waste (AR10)

- Shredding hazardous waste - this will be covered under a new repeat activity S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.

- Second stage smaller shredding unit processing hazardous waste containing metals (output from the larger shredder) – This will be covered under a new repeat activity S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.

- Sieving and separating for onward recovery will remain as S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment (under activity AR4).