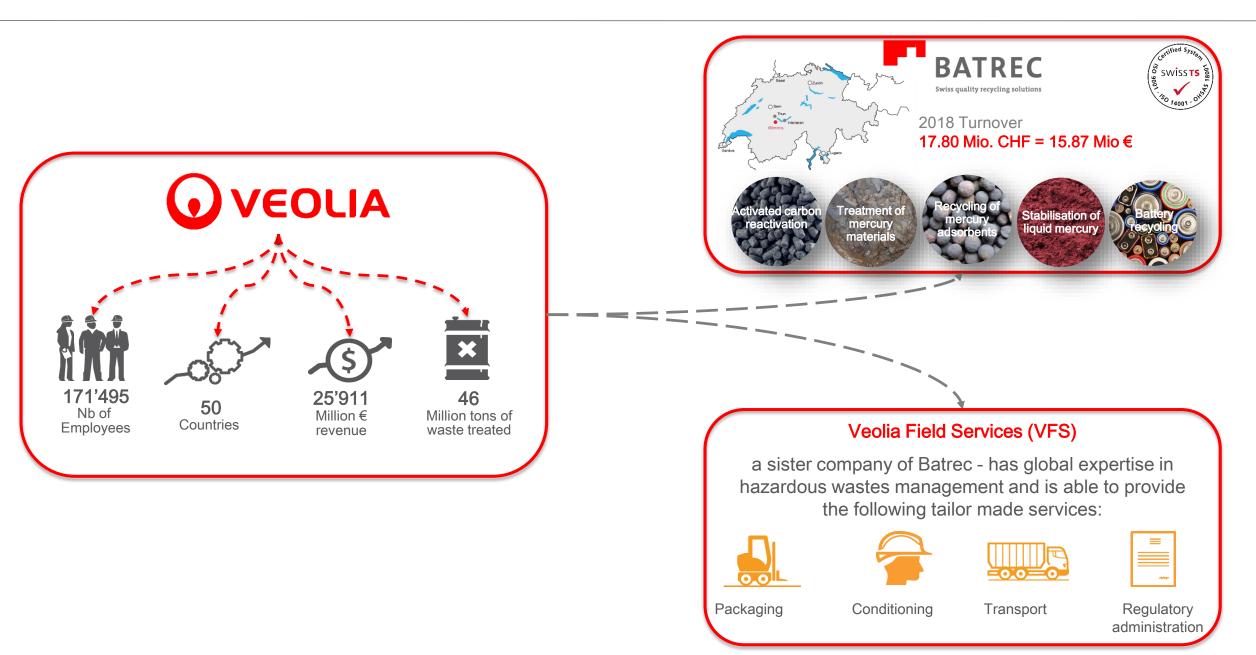






BATREC and VEOLIA – A powerful network





Mercury Management at BATREC





Be able to treat any type of wastes containing Mercury in our installation in Switzerland

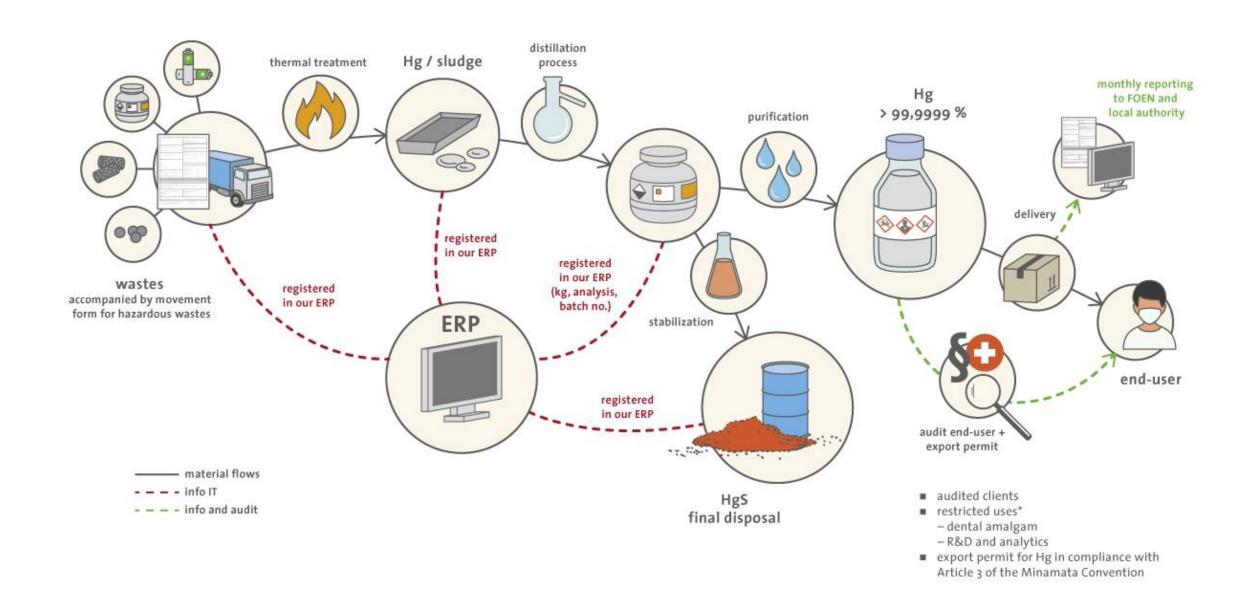


Distil Hg-containing waste → Stabilise Hg into HgS → Transform highly toxic Hg into a non-toxic HgS



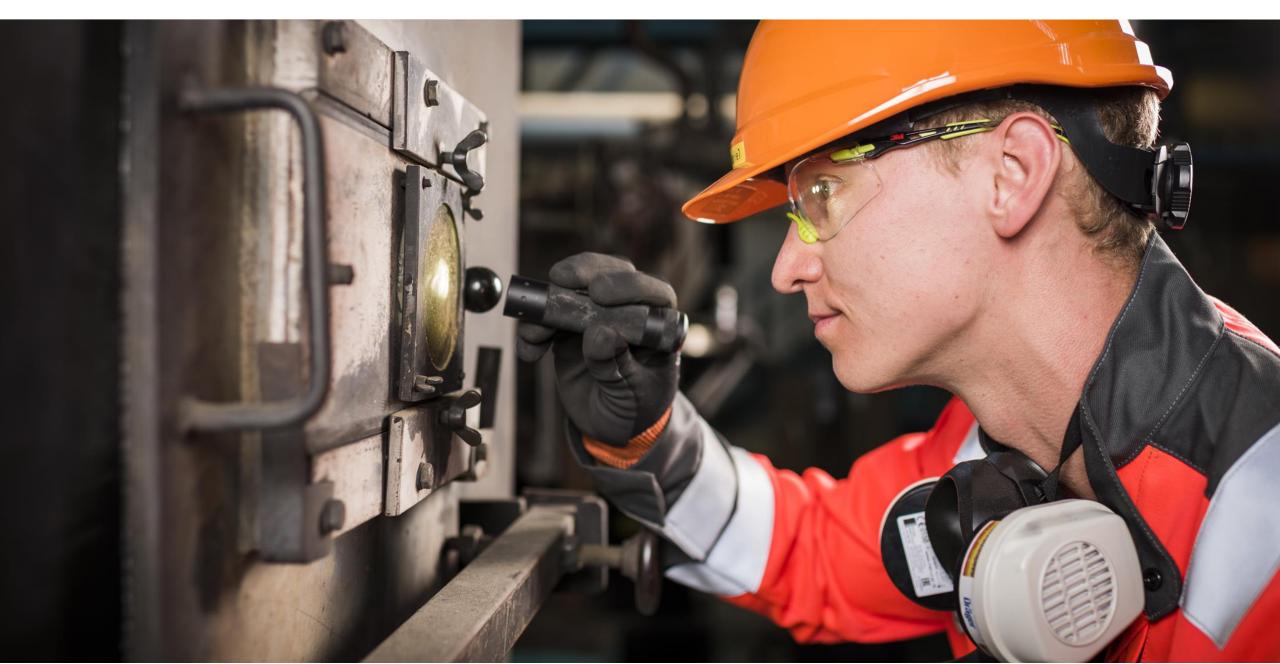
Mercury Management at BATREC





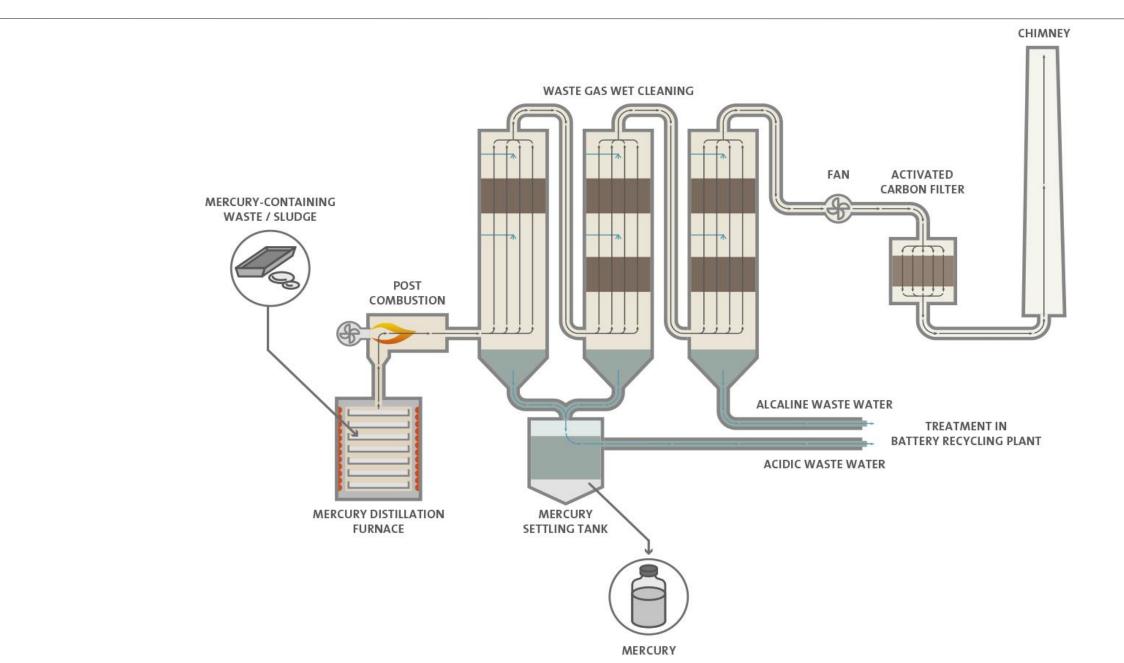
Treatment of Mercury Wastes





Hg Distillation: Process Flow Diagram





Mercury Waste Recycling Plant











Mercury Waste Recycling Plant: Process Flow Diagram





THERMAL TREATMENT

- desorption of the pollutants at 750 850°C
- destruction of the organic pollutants in the postcombustion chamber



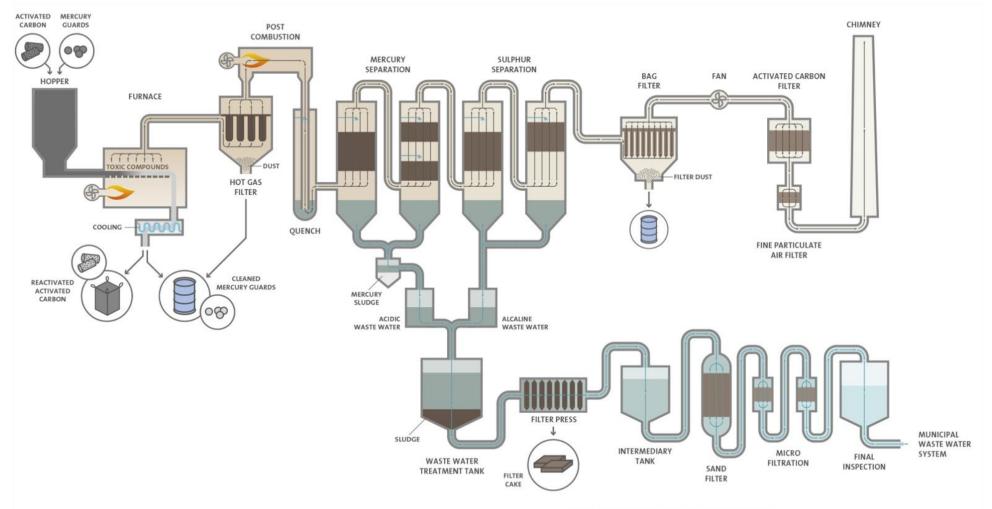
WASTE GAS WET CLEANING

- condensation of Mercury
- o removal of Sulfur



WASTE GAS DRY CLEANING

- removal of trace level Mercury
- removal of other pollutants and fine dust removal HEPA Filter



WASTE WATER TREATMENT

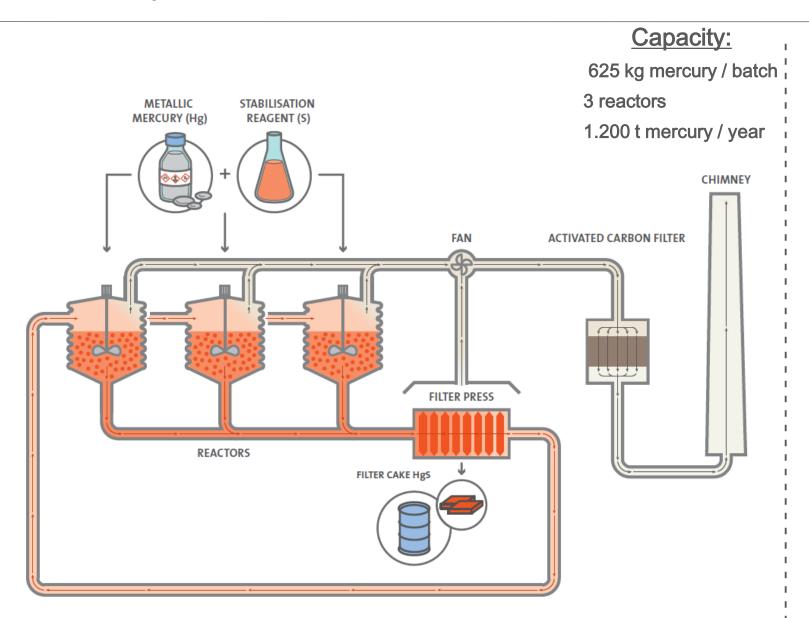
Mercury Stabilisation





Mercury Stabilisation







Process characteristics

- ✓ <u>batch</u> process
- wet process at <u>low temperatures</u> in a closed circuit limits the risk of Hg emissions
- ✓ <u>no gaseous Hg</u> in the process
- ✓ stabilisation solution is <u>regenerated</u>
 → zero effluents produced
- √ <u>simple</u> reactants

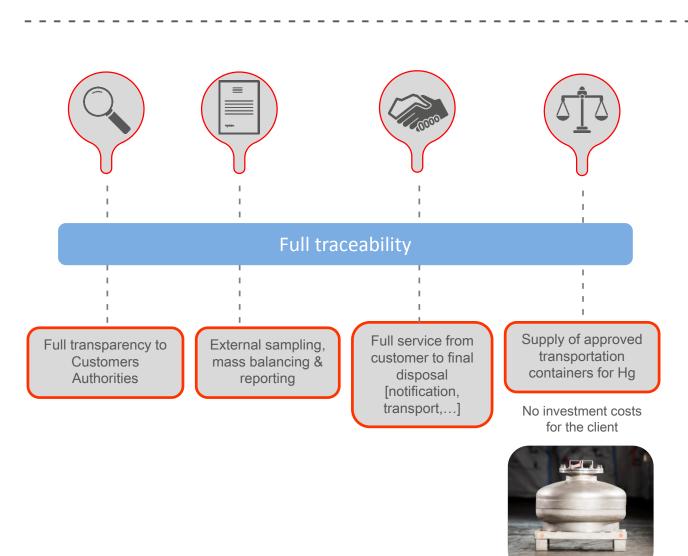
A clear value proposition



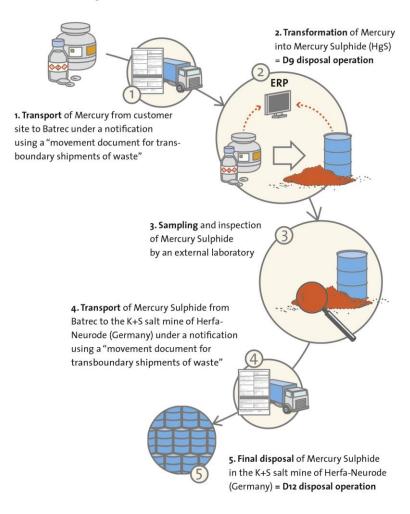


Offer complete safe management of the Mercury





Traceability chain for the stabilisation of Mercury



Safe, traceable and cost effective approach by central treatment



