Decentral treatment of Mercury wastes
It´s not rocket science!

Reinhard Schmidt, CEO/owner

we consider ourselves as technology innovators, suppliers & coaches since 15 years in Munich/Germany
10 Mio € annual turnaround
at present mainly in EUR, AUS, AZE, IND
50 % business with mercury waste units
more info on www.econindustries.com
Decentral treatment of Mercury wastes

Why?

Basel Convention:
Controlling transboundary movements of hazardous waste and their disposal

econ´s Convention – we call it `Basel 2.0´: Avoidance of transboundary movements of hazardous waste and their disposal

It´s all about taking over responsibility and saving money!
Decentral treatment of Mercury wastes

Local benefits

Increase of:
- Know-how
- Added value
- Qualified jobs
- Independence
- Transparency

Decrease of:
- Expenses
- Dependence
- Transport hazards
- Transport emissions
- Export bureaucracy
3 types of Mercury waste
3 technology options

Soils & sludge contaminated with elemental mercury
• Vacuum distillation - VacuDry
  • max. 400 °C; low vacuum < 50 mbar abs

Spent activated carbon & catalyst contaminated with mercury compounds
• High temperature treatment - HTTU
  • max. 1,000 °C; atmospheric pressure

Pure elemental mercury
• Conversion to HgS
  • max. 200 °C; atmospheric pressure
Soils & sludge
contaminated with elemental Mercury
Vacuum distillation – VacuDry
Soils & sludge contaminated with elemental Mercury

Vacuum distillation – VacuDry
Spent activated carbon & catalyst contaminated with Mercury compounds
High temperature treatment – HTTU
Spent activated carbon & catalyst contaminated with Mercury compounds

High temperature treatment unit – HTTU
Pure elemental Mercury Conversion to HgS
Pure elemental Mercury
Conversion to HgS
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