

Decentral treatment of mercury wastes It's not rocket science!



Zero industrial waste ...!

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

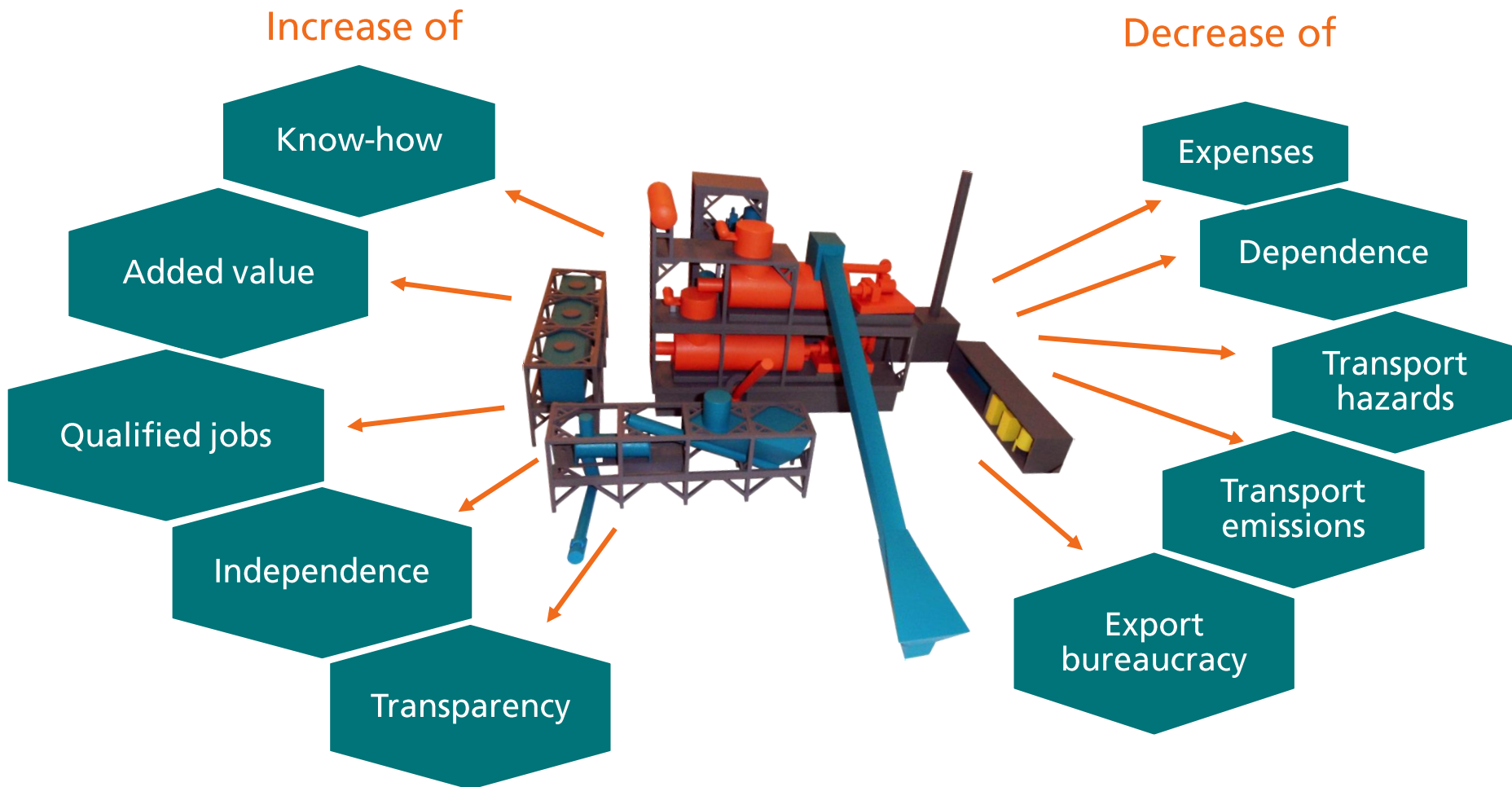
econ's Convention – we call it 'Basel 2.0':

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



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

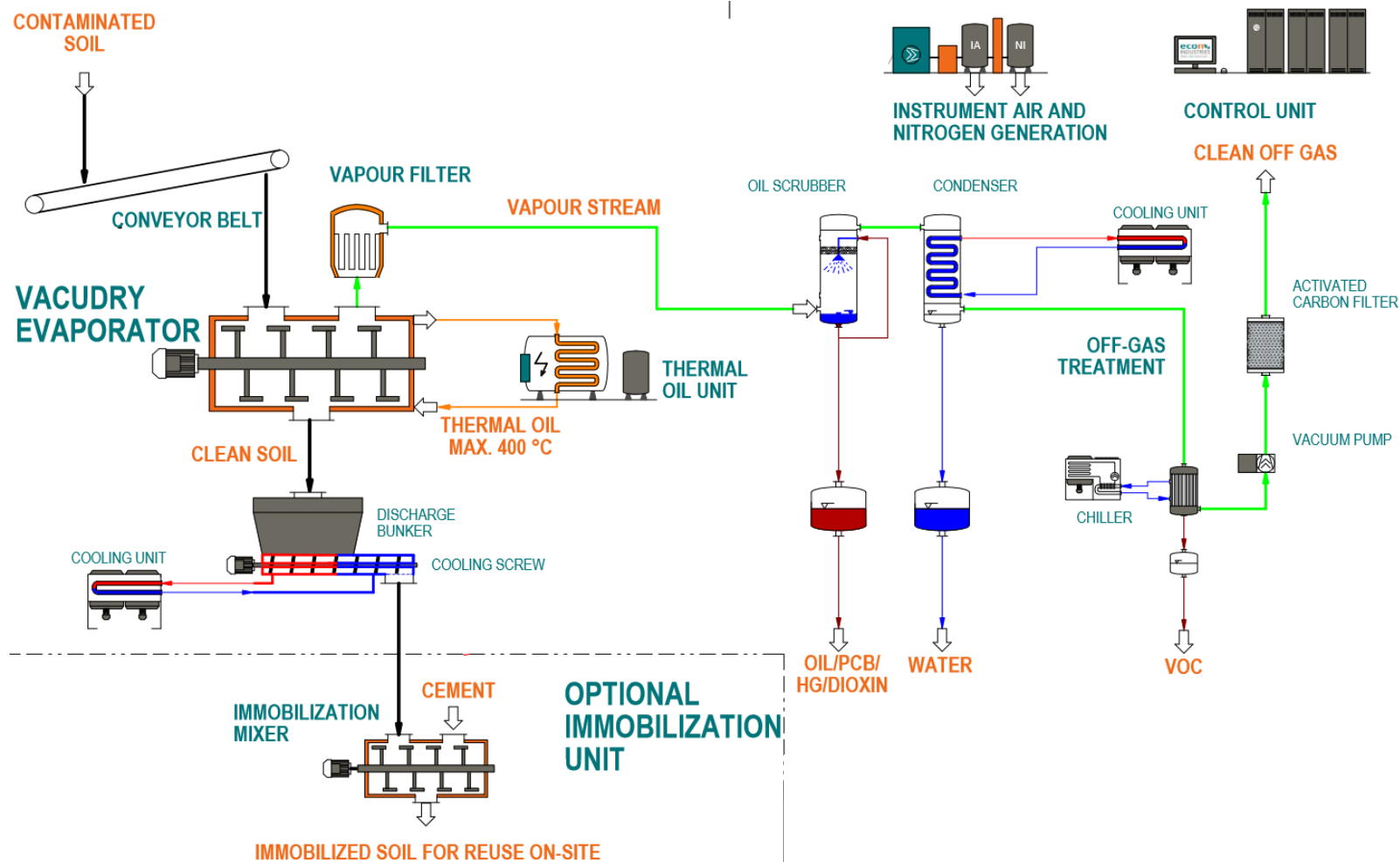
- High temperature treatment - HTTU
- max. 1,000 °C; atmospheric pressure

Pure elemental mercury

- Conversion to HgS
- max. 200 °C; atmospheric pressure

Soils & sludge contaminated with elemental Mercury

Vacuum distillation - VacuDry®



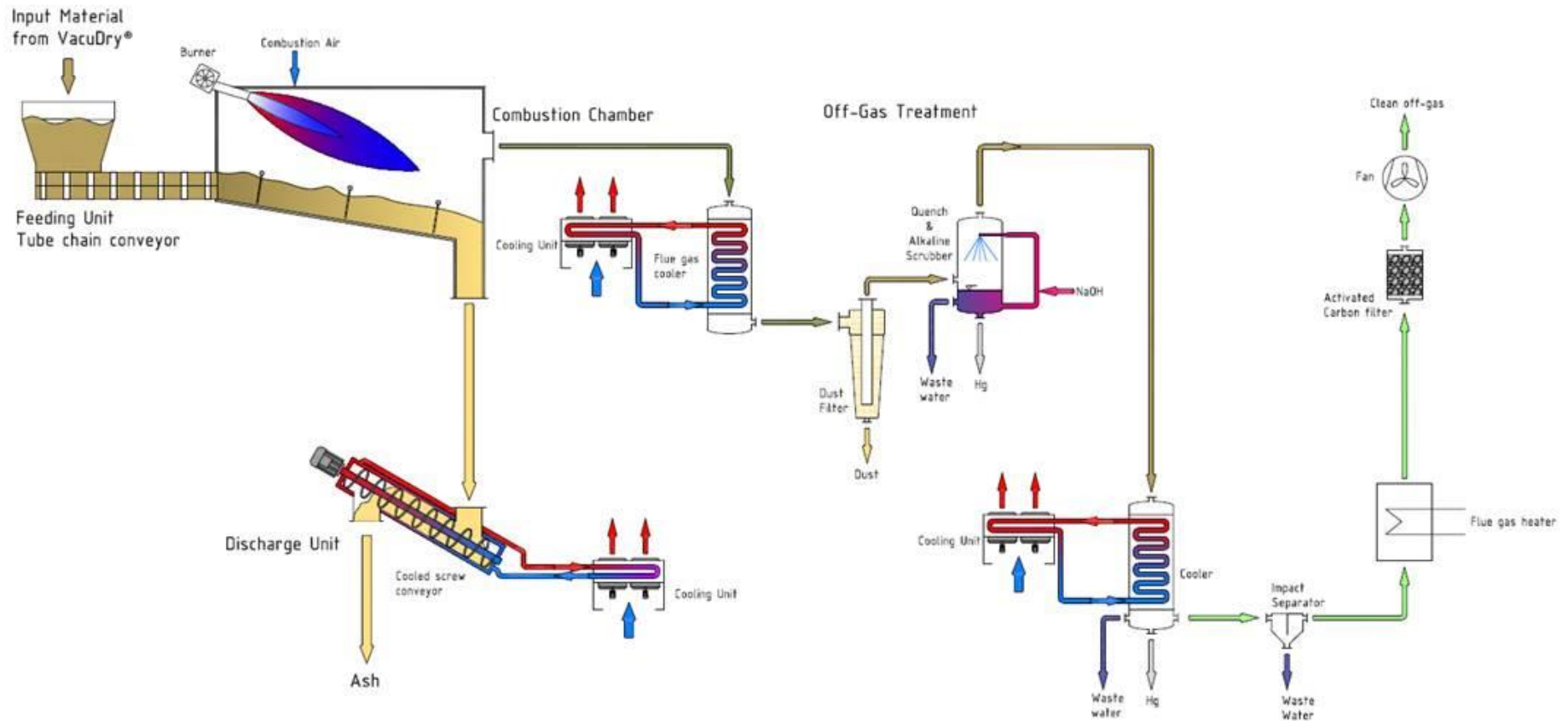
Soils & sludge contaminated with elemental Mercury

Vacuum distillation - VacuDry



Spent activated carbon & catalyst contaminated with Mercury compounds

High temperature treatment - HTTU

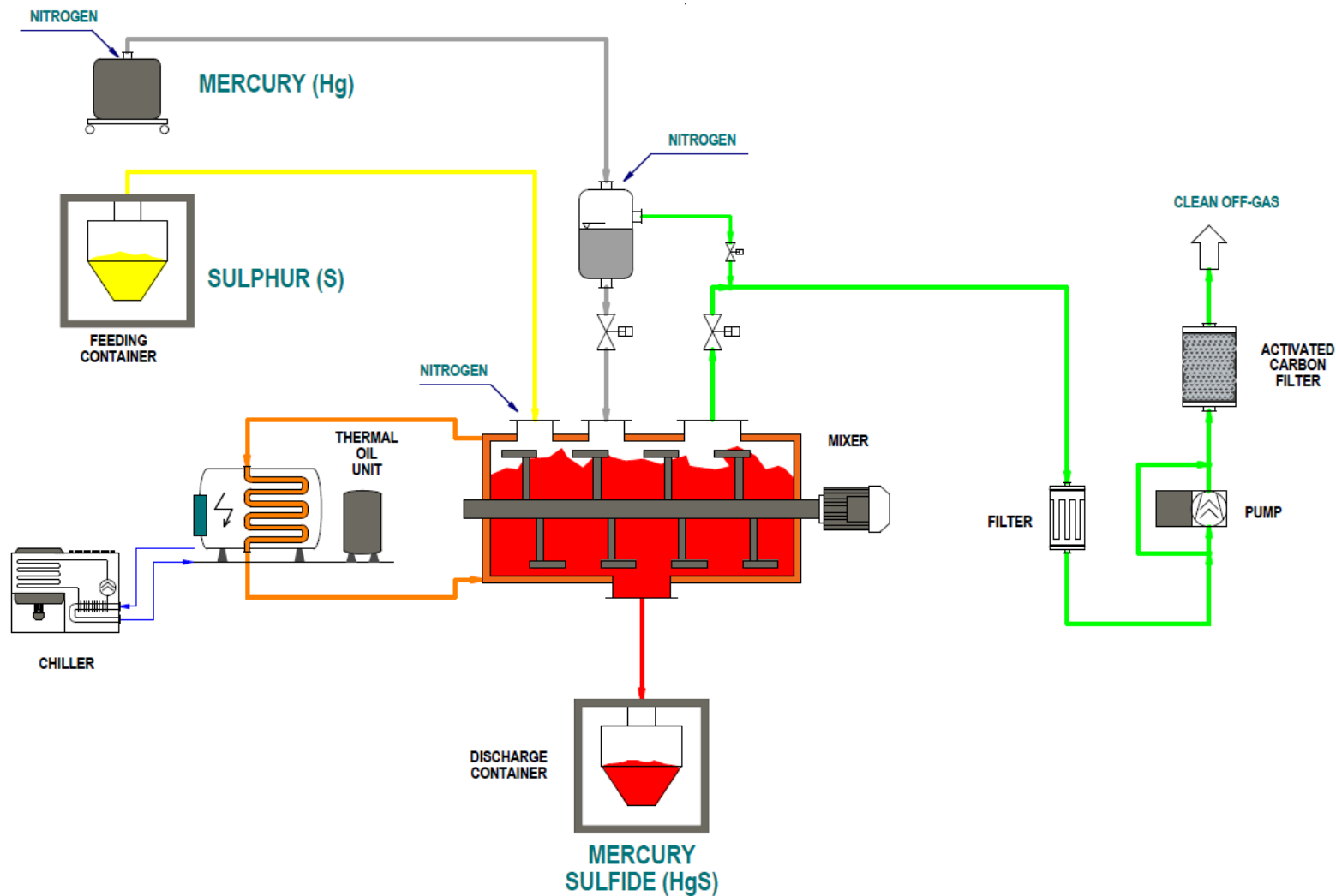


**Spent activated carbon & catalyst
contaminated with Mercury compounds**
High temperature treatment unit - HTTU



Pure elemental Mercury

Conversion to HgS



Pure elemental Mercury

Conversion to HgS

Elemental
Mercury



Elemental
Sulphur



Mercury
sulphide
(HgS)



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