

sonUtec delivers complex flue gas treatment

Waste air containing solvents is a dominant theme in the chemical industry, but it gets even further complicated, if chlorinated organic compounds are at play. This was a problem for a company in the area of Leuna, Germany.

Around the central catalytic oxidizer, which burns all organic compounds, a system of scrubbers and settling tanks was installed to comply with the strict limits of chlorinated compounds. The flue gas treatment system also features heat exchangers, to recover excess heat and reduce the running costs for the customer.

Data:

Volumetric flow	up to 600 m ³ /h
Temperatures	up to 550°C in catalyst
Concentrations	up to 72 kg/h solvents
Clean gas	< 2 ppm total organic compound (TOC)



Catalytic oxidizer (KNV)



Sonneberg, August 2008