

Flue gas treatment for ammunition disposal

Goal was to connect the existing static kiln and rotary kiln with an extension to the existing flue gas treatment and to replace the old existing dust filter. The parts were built in Germany and after factory acceptance test the transport occurs in modules. Final assembly at the site was done by the customer in Sweden. sonUtec's staff performed supervision and commissioning. The extension includes the following main parts:

- **Equalizing vessel**

The purpose is to homogenise the flue gas, to limit the maximum pressure and flow peaks. Large dust particles are deposited.

- **Round dust filter**

The filter is used for the deposition of soot and dust particles.

- **Metering** of additive at the inlet of 3-chamber dust filter

Metering of additive is for bonding of acidic substances and heavy metals by sorption of pollutants adding a mixed powder made of calcium hydroxide and activated carbon before entering the filter.

- **3-chamber dust filter**

The filter is used for the deposition of lime, soot and dust particles before inlet to combustion chamber.

3-chamber dust filter



Equalizing vessel and round dust filter



Metering and dosing system

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