

## Filter Unit for Burning Test-Bed

The flue gas from a burning test-bed for testing the fire resistance of components and building materials have been leaving the chimney into the atmosphere unfiltered. Even if the gas-fueled test oven operated only few hours a week, the pollution of soot and fly ash from the flue gas was a problem for humans and the environment.

For this thermal process, sonUtec supplied a compact exhaust system with filter. Now the solid flue gas components are retained.

SonUtec has succeeded in integrate the new system into the existing system in such a way that only a few changes had to be made in order to continue using the chimney and the pipes.

Basic data:

Flow rate: 25 000 m<sup>3</sup>/h

Temperature: 170 °C

Filter area 355 m<sup>2</sup>



Installation of the exhaust air system

Sonneberg, September 2011