

Selective Catalytic Reduction (SCR)

Nitrogen oxide emissions in cities have developed to be an ongoing challenge over the last years.

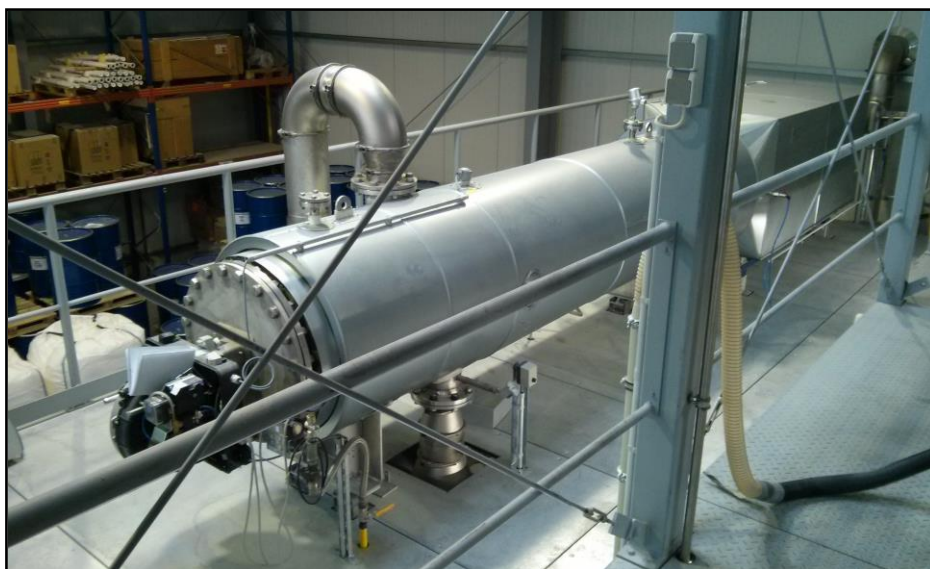
SonUtec contributes toward cleaner air in the cities:

A producer for special ceramics changed his production to be on par with customer requirements, resulting in a vast increase in nitrogen oxide (NO_x) emissions. To deal with these emissions, the installation of the SCR technology was selected. With the help of liquefied ammonia the NO_x is reduced to harmless nitrogen and water inside a catalyst. Even high concentrations are no problem for this technology, because a clean gas measurement for NO_x always provides the necessary data for the ammonia dosing.

The entire unit was manufactured in stainless steel as required by the customer, to achieve a high service life.

Data:

Volumetric flow	up to 2 000 m ³ /h
Temperatures	up to 350°C in Catalyst
Concentrations	up to 6 kg/h NO _x
Clean gas	below 350 mg/m ³ NO _x



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Sonneberg, June 2014