Flowvision is a forward-thinking, innovative organisation at the forefront of developing new technologies for reducing emissions. Its DeNOx systems have been installed throughout the world with systems installed in applications such as Coal Fired Utility Boilers, CFB Boilers, Biomass Boilers, Waste-to-Energy Plants, HRSG, Engines and Cement Kilns..

DeNOx Technology

Flowvision offers advanced solutions for the removal of harmful nitrogen oxides (NOx) from flue gases. These gases are generated during combustion processes and are major contributors to air pollution and environmental degradation.

Flowvision's DeNOx systems utilize various techniques such as selective catalytic reduction (SCR) and selective non-catalytic reduction (SNCR) to effectively reduce NOx emissions, thereby helping industries meet stringent environmental regulations.
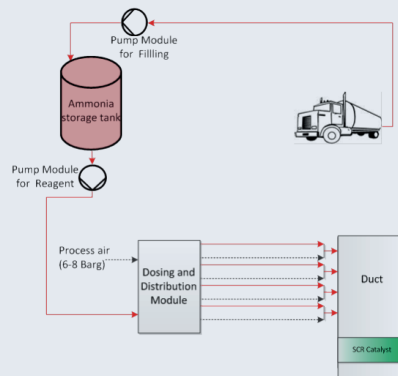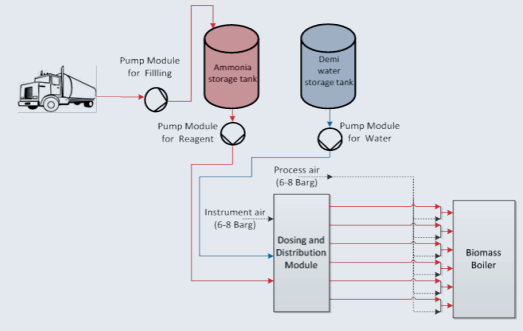
FLOWVISION
An Axens Group company

Flowvision is a renowned company specializing in DeNOx systems for flue gas treatment using safe engineering technology for a cleaner, brighter, and sustainable tomorrow with expert in-depth knowledge and experience, alongside a broad supply network within emission abatement technologies.
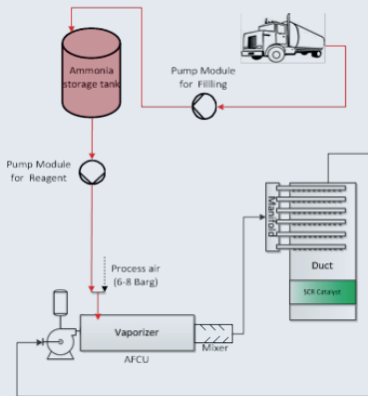
Typical SCR external evaporation



Typical SCR direct injection

Typical SNCR

Flue Gas Treatment

The Applications section relates specifically to the DeNOx section, not the Flue Gas treatment - not sure how you can accommodate that in the right place?

Flowvision's systems incorporate technologies like wet scrubbers, fabric filters, electrostatic precipitators, and activated carbon adsorption to efficiently remove these pollutants and ensure compliance with emission standards.

Complete flue gas treatment package
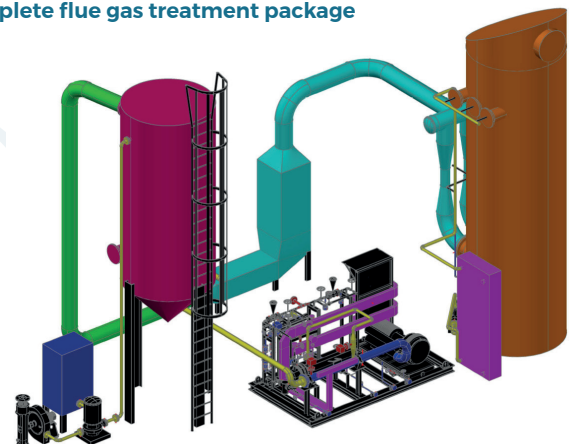
Flowvision

A comprehensive flue gas management provision is available and includes:

◆ Multi-pollutant detection
◆ Complete pre-treatment for specific process (CCUS)
◆ Complete flexibility in type/mix of reagent
◆ Minimum amount of disposals (waste water, solid particles etc..)
◆ Plug-n-play philosophy, possibility to fully control the system with Flowvision PLC (also available as DCS slave system)

Applications

Power
HRSG
Open cycle GT
Cement plants
Waste to Energy
Biomass
Coal/Gas boilers
Flue Gas Treatment

Petro Chemical
Steam reformers
EDC cracker
General service
FCC units

Flue Gas Conditioning and a Complete Dosing System Supply are also available and include:

◆ Storage system (chemicals in liquid or gas phase, fuels, Oil, Natural gas)
◆ Pumping Stations
◆ Dosing and Distribution Modules
◆ Gas Conditioning SKID Units (including evaporators)

Products

Selective Non-Catalytic Reduction (SNCR)
The SNCR process involves injecting either an ammonia or urea based reducing agent into the flue gas of an industrial combustion source.

Selective Catalytic Reduction (SCR)
The SCR process is the most efficient proven technology for the reduction of Nitrogen Oxides (NOx) from industrial sources.

Details

High NOx conversion efficiency	Up to 96%
Low operating temperature range	180 - 450 ˚C
Ammonia	
Aqueous (11wt%, 19wt%, 25wt%, 29wt%)	
Anhydrous	
Urea	
Catalyst design, type chemistry and geometry according to your plant needs	

SNCR + SCR Hybrid system

The Flowvision SNCR + SCR Hybrid system utilizes the advantages of the SNCR system as well as those of the SCR concept.

Dawcul is a Trusted Partner for Flowvision

For expert advice on procurement, logistics and installation talk to one of our local experts

Dawcul

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