

POST COMBUSTION

NO_x AND CO CONTROL

Our combustion system expertise makes us the ideal choice for integrating the burner, post-combustion emission controls, and emissions monitoring for optimum performance and minimum cost. We can help you:

- Maintain NO_x and CO emissions over maximum turndown
- Minimize burner NO_x to reduce NH₃ consumption and storage tank size

The Complete Solution For New Builds Or Retrofits

For new installations, we can provide a total postcombustion emission control package. No need for multiple suppliers. John Zink can provide everything you need, including the peace of mind you'll get knowing your post-combustion system is in the hands of combustion experts.

- Reactor Housing
- Ammonia Injector Grid (AIG)
- Anhydrous Ammonia Skid
- Aqueous Ammonia Skid
- Reagent Storage And Handling
- Off-Loading Skid
- Tempering Air System
- Controls Systems
- Emissions Monitoring Systems

We can leverage our extensive combustion experience to design and install an SCR or SCNR system for your existing combustion equipment as well.

- SCR for Boiler and Process Heaters
- SCR for Industrial and Process Burners
- SNCR and SCR for Thermal Oxidizers
- Complete Packages



Our Selective Catalytic Reduction (SCR) solutions are designed to deliver up to 99% post-combustion NO_x reduction.

Extensive CFD Capabilities

Our in-house Computational Fluid Dynamics (CFD) modeling experience helps ensure proper flow and temperature distribution, vital to post-combustion emission control. Expertise in Flue Gas/Reagent (ammonia/urea) mixing ensures our SCR systems minimize ammonia slip and maximize overall NOx control.

Better Tuning, Better Performance

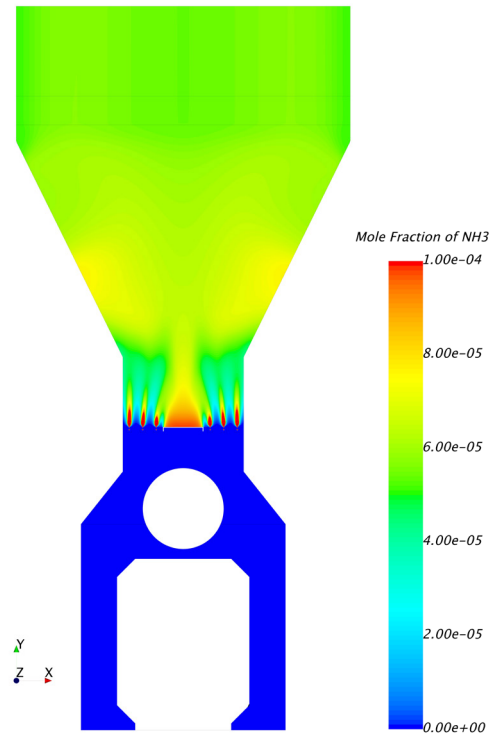
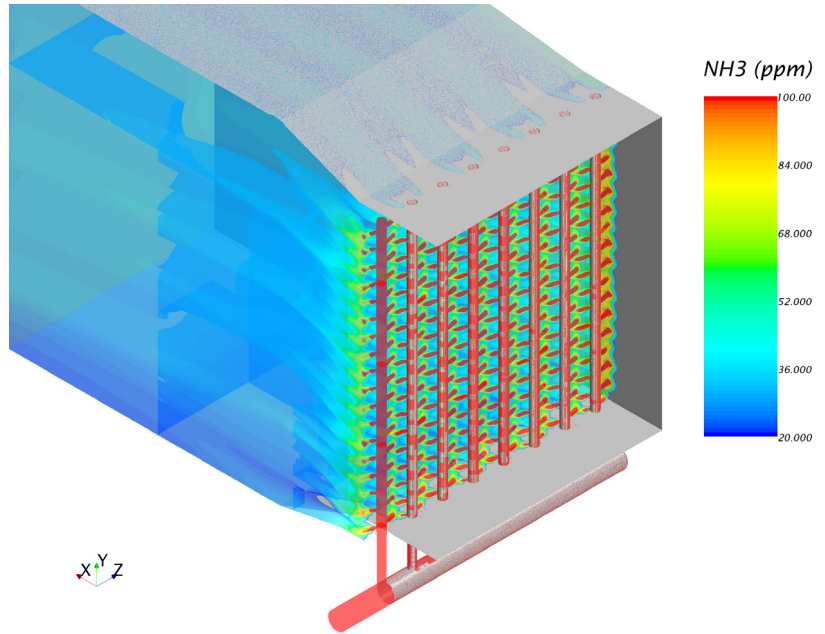
Our Ammonia Injection Grid (AIG) is tunable across the width and height of the duct. This control, combined with a permanent sampling grid, allows optimization of the NH₃ distribution to match the NOx distribution, delivering maximum NOx reduction with minimum NH₃ slip emissions.

Save Space, Energy and Money

As an option to an aqueous ammonia or urea skid, we can often save space, utility consumption and operational expenses with a direct injection solution.

GLOBAL REACH

John Zink has locations all over the map, with thousands of employees worldwide.



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