

## Post Combustion

### NOx 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 NOx and CO emissions over maximum turndown
- Minimize burner NOx to reduce NH<sub>3</sub> consumption and storage tank size

### The Complete Solution For New Builds Or Retrofits

For new installations, we can provide a total post-combustion emission control package. No need for multiple suppliers. JZHC 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 NOx reduction.*



## Extensive CFD Capabilities

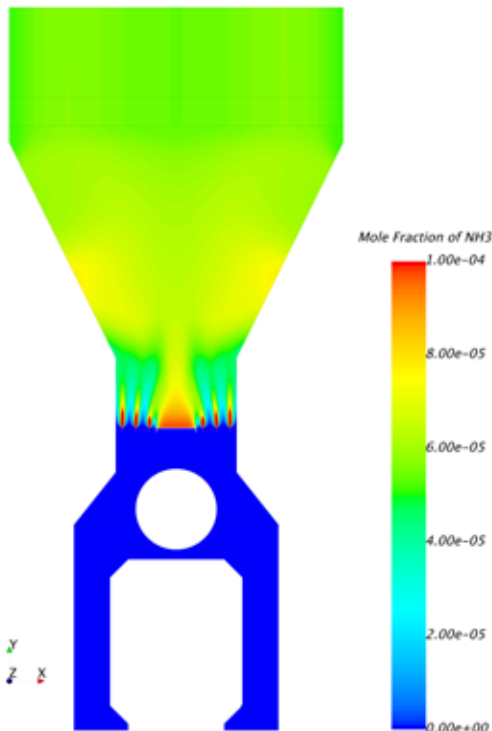
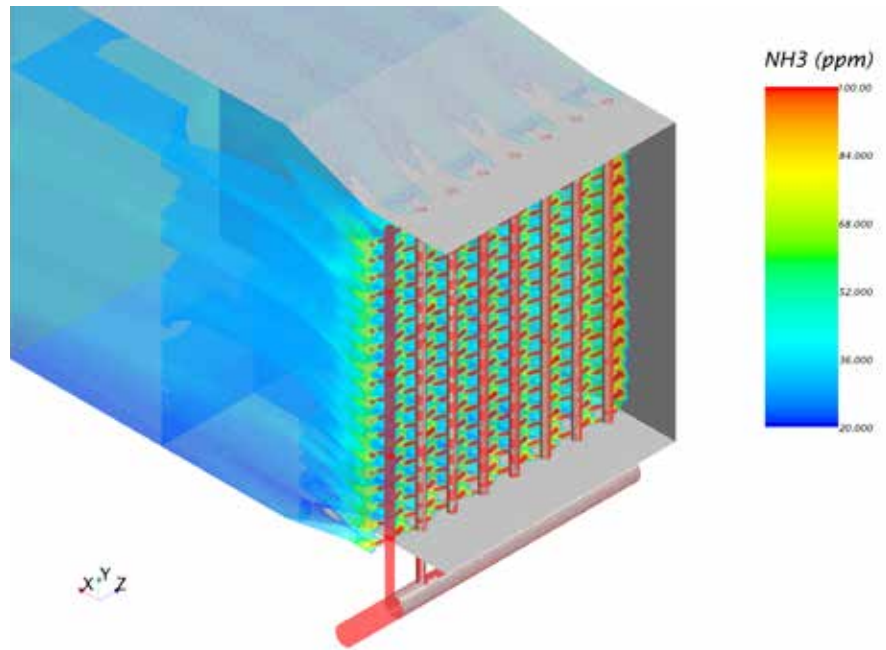
Our in-house Computational Fluid Dynamics (CFD) modeling experience helps ensure proper flow and temperature distribution, vital to post-combustion emission control. Expertise in Flue Gas/Reagent (ammonia/urea) mixing ensures our SCR systems minimize ammonia slip and maximize overall NOx control.

## 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 NH<sub>3</sub> distribution to match the NOx distribution, delivering maximum NOx reduction with minimum NH<sub>3</sub> 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.



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