

Catalyst and Engineering Services

for fossil fuel-fired boilers, gas turbines and industrial plants

DUST BUSTER™

Honeycomb catalyst design that consists of optimized channel geometries to facilitate the flow of ash-laden flue gas through catalytic surfaces with high DeNOx activity.

METEOR™

Eliminates the need for a CO catalyst layer and combines the performance into one layer by controlling NOx, CO and VOC.

Catalyst Regeneration

A patented process that allows for the reutilization and recycling of precious resources. It restores catalyst activity back to OEM level and reduces cost.

Catalyst Testing

Catalyst testing is designed to duplicate the flue gas conditions of a power plant to predict the lifespan of a catalyst in the SCR reactor.

In-situ Cleaning

A patented technique to clean any catalyst type (corrugated, honeycomb, plate) within the SCR reactor to reduce pluggage.

SNCR Design and Installation

SNCR technology is a low capital cost NOx emission reduction method. The technology can provide a 25-50% reduction compared to a SCR.

Ammonia System Design

Engineering, Procurement and Construction of NH₃, NH₄OH or Urea storage and supply systems.

ELITE™

Offers superior performance in gas turbine applications to significantly decrease pressure drop and reduce fuel costs/increase power output.

COMET™

Oxidized mercury emissions technology catalyst offers superior performance over a wide range of operating conditions to drastically improve Hg oxidation.

SCR Management

Annual SCR reactor inspections are important to ensure compliance to avoid costly equipment malfunctions or environmental compliance issues.

Combustion Testing

Performance and emission testing services to problem solve boiler, SCR and FGD equipment. Our field engineers are deployed in our mobile emissions trailer to your site.

On-line Cleaning

A combination of acoustic cleaners and ash sweepers is used to eliminate negative affects of ash build-up and improve gas flow and catalyst life.

Mercury Control Technology

Patented mercury removal technology solution that can capture 90% of mercury emissions and has the further ability to condense the mercury material utilizing existing wet FGD.

Large Particle Ash Screens

A patented screen, both pleated and hinged, designed to protect the catalyst from pluggage with Large Particle Ash (LPA).