INTRODUCTION

Having extensive experience installing DSI systems, Nol-Tec Systems is a leader in the delivery and optimization of DSI for all dry sorbents. Dry Sorbent Injection is the process by which dry alkaline sorbents are injected into the flue gas stream to provide acid gas (SO2, SO3 or HCl) removal.

Whether implementing a new DSI system to meet compliance or enhancing an existing system to deliver more efficient and effective operation, Nol-Tec have the capabilities and experience to support you with developing a solution to meet your individual goals.

OUR SYSTEM

Pollutant removal is directly related to the amount of dry sorbent being injected, our advanced system automation allows for our clients to quickly modify the system to accommodate for changes in operating and process conditions.

With our experienced in-house engineering capabilities, combined with cutting edge technologies such as Sorb-Tec and Resistive Splitting, Nol-Tec focus on providing a system that provides the highest performance at the most favorable ROI.

DSI DELIVERS HIGH LEVELS OF ACID GAS REMOVAL WITHOUT THE NEED TO INSTALL HIGH CAPITAL COST EQUIPMENT.
KEY BENEFITS

Sorb-Tec™ lance-less technology
A direct replacement for your injection lances, Sorb-Tec is installed externally to the duct, providing enhanced mixing and dispersion between sorbent and flue gas. Not only does Sorb-Tec provide up to 80% reduction in sorbent usage over traditional lances, it minimizes pluggage, while adding extra flexibility to your system for load operations.

Resistive splitting
Essential for improved pollutant mitigation, Nol-Tec’s resistive splitting technology is a simple and effective solution to ensure even distribution.

Predictive CFD chemistry modeling
Nol-Tec uses chemistry modeling to provide a more accurate and predictive tool for emission reduction. Complex Fluid Dynamics (CFD) can be used for both practical design, optimizing solutions and problem solving.

On-site testing capability
Nol-Tec has the largest fleet of on-site test systems that can provide you with the practical understanding of the capability of DSI in your facility.

Continuous weight metering system
Accurately delivers sorbent at desired rates to achieve EPA compliance without wasting materials.

ABOUT NOL-TEC SYSTEMS

Nol-Tec provides a full lifecycle of environmental solutions and services. We deliver new systems for particulate control, acid gas and mercury reduction along with support and maintenance for your existing equipment. We are a proven and knowledgeable company, with the drive and focus to give you the very best service.

With offices across the world, Nol-Tec has the experience, resources, and personnel to tackle your most challenging DSI needs. Contact us today to see how we can help deliver success.

ENGINEERING SOLUTIONS TO MEET YOUR GOALS