



**CORMETECH**  
RELIABILITY. DELIVERED.

# SCR Catalyst Regeneration

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CORMETECH's SCR catalyst regeneration process is a proven technology developed and perfected since 1997 with more than 90,000 modules processed combined with 27 years of manufacturing technology and knowledge provides the industry with an unsurpassed solution for your NO<sub>x</sub> abatement needs. With years of demonstrated results, regeneration to restore catalytic activity to the same level as when the catalyst was new while the SO<sub>2</sub>/SO<sub>3</sub> conversion rate is reduced by means of CORMETECH's proprietary, patented Selective Impregnation® process. CORMETECH owns and operates the world's largest and most advanced catalyst regeneration facility in Kings Mountain, North Carolina.

CORMETECH's scope of services for SCR catalyst regeneration includes the following:

- Removal of deactivated catalyst modules from reactor and shipment to CORMETECH
- Initial inspection and review of catalyst material.

- Trial regeneration testing to confirm performance targets
- Removal of physical and chemical deactivation causes
- Customized formulation to achieve unit specific performance specifications by means of Selective Impregnation®
- Supply of regenerated or new catalyst from inventory for attrition or to replace an entire layer
- Extensive QA/QC including SCR catalyst performance testing, chemical and physical analysis
- Long-term storage capacity
- Engineering, design and supply of catalyst seals, lifting devices and installation material
- Return shipment of regenerated catalyst and installation coordination

SCR catalyst allow for high NO<sub>x</sub> removal efficiency and with catalyst regeneration this asset can be used to reduce initial as well as long-term costs.

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