Industrial Catalyst Testing and Management Services

- SCR, CO, and VOC Catalysts
- Dual-Function Catalysts
- Catalyst Lifecycle Management
- Full Catalyst System Evaluation
- Catalyst Testing and Life Projection
- Ammonia Grid (AIG) Tuning

- O&M Catalyst Training
- Catalyst Replacement Services
- SCR/CO System Consulting
- Catalyst System Maintenance
- Fleet Risk Management
- Regulatory Consulting

Environex, Inc
Independent Catalyst Experts

484-320-8608
services@environex.com
www.environex.com
Industrial Catalyst Services

Benefits of Using Environex

- Independent Perspective
- Expert Engineering Team
- Tailored Test Conditions
- Full Suite of Services
- Fastest Turnaround Time
- Comprehensive Full-System Scope
- Commitment to Safety
- Strategic Partnerships

SCR Catalyst Systems and Technology

Optimizing the performance of your SCR system is our business. We are a full-service consulting and engineering company focused on providing operations and technology expertise in air pollution control. With decades of experience providing SCR system service, we have the knowledge and capabilities to maximize the performance and lifespan of your SCR system.

CO and VOC Catalyst Technology

CO and VOC catalysts degrade over time. Knowing when you need to replace the catalyst gives you the lead time to secure a cost-effective and well-designed replacement. Environex provides testing, life projection, and rejuvenation services that maximize the life of your catalyst. When it's time to replace, we can help you select the best formulation for your application and get optimal return value for the spent catalyst.
Full System Approach

Environex's comprehensive full system approach to catalyst system management provides the most accurate projection of remaining catalyst life and ensures that there are no gaps in your catalyst management program. Our combination of catalyst sample "mapping", plant operating data analysis, and on-site system inspection allows us to evaluate the overall health of the bulk catalyst, identify the limiting operating case for your system, distinguish system problems from catalyst problems, and recommend maintenance and operating actions to improve performance and maximize catalyst life.

Catalyst Lifecycle Management Plans

Environex works with you to develop a plan which includes a combination of services designed to optimize your plant’s performance and minimize lifecycle emission control costs. Plans are customized based on your facility’s operating profile, age, permit limits, system design, and NOx and CO conversion requirements. We can help, from initial design to replacement and removal.
Established in 1991, Environex, Inc. offers engineering and consulting expertise in air emission control for large scale systems across many industries. We are experts in Post Combustion NOx and CO control technologies. Our primary focus is SCR and CO system design, management, maintenance, catalyst selection, and consulting. We operate an independent US-based testing laboratory specializing in SCR and CO/VOC catalyst testing. Our offices are located in the Philadelphia metro area and Tampa, Florida. We have extensive experience with catalyst systems for all fuel-types and prime movers.

Choose Experience, Quality, and Independence

As the operating profiles for power plants continue to change and become more unpredictable, ensuring reliable performance from your catalytic emissions control systems has become more important than ever. Modern catalysts are designed with lower performance margins than older systems as OEMs have gained more experience with catalyst activity and durability. Regular testing and maintenance is the only way to ensure reliability in today's systems. The Environex lab, in operation since 1997, has tested many thousands of catalyst samples from all major catalyst suppliers. Our experience includes:

- High Temperature Catalysts from Peaking Plants
- Combined Cycle and Cogeneration Plant Catalysts
- High Dust Catalyst from Coal and Biomass-Fired Plants
- Fast-start Catalyst Systems
- Refinery SCR Catalysts
- All Catalyst Types and Geometries

About Us

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