

SCR CATALYST MANAGEMENT SERVICES



K-TEK INTERNATIONAL, INC.

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RELIABLE SCR CATALYST LIFE MANAGEMENT

WHO WE ARE

Since 1985, K-Tek International has supplied engineered power plant equipment, spare parts, and services to EPC and utility companies in the power industry. Our aftermarket service is concentrated on the support and servicing of power plant utilities.

K-Tek International is Nano Corporation's service partner in the Americas. We will provide you with the most efficient solution to maintain your SCR system and catalyst for maximum performance, efficiency, and cost savings.



Nano's Exclusive SCR Catalyst Service Partner

WHAT WE DO

In partnership with Nano Corporation, we offer a full range of value-added services for reliable SCR catalyst lifetime management. Our wealth of catalyst design knowledge, SCR system knowledge, and on-site troubleshooting experience allow our team to provide guidance on catalyst evaluation and to make catalyst management recommendations for your overall SCR system maintenance.

- Comprehensive catalyst design and fabrication capabilities
- Extensive catalyst management expertise
- In-house technical analysis capabilities
- System inspection and field measurement experience
- Field installation supervision and labor

CATALYST MANAGEMENT SERVICES

We offer a comprehensive range of SCR catalyst management services. Our service offering is completely tailored to our client's specific needs. Whether it is for one unit or for an entire fleet, get in contact with our team and allow us to extend our customer-focused catalyst management services to meet your SCR catalyst requirements.



24/7 Superior Customer Service

We are ready to serve you at any time. Contact us for any technical or commercial related inquiries.



CATALYST REPLACEMENT SERVICES

Replacement Catalyst Selection

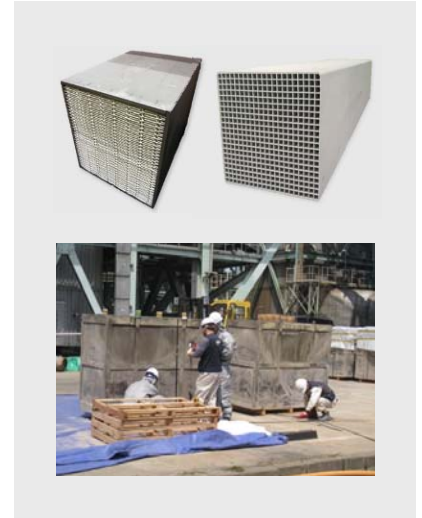
We make it easy for you by becoming your single point of contact for all SCR catalyst-related parts and services. We supply Nano's catalysts specifically designed per your requirements and parameters.

- Honeycomb type catalyst
- Plate type catalyst
- SCR catalyst for low SO₂ to SO₃ oxidation
- High efficiency NO_x catalyst at low operating temperature

Complete Replacement Services

We provide catalyst replacement services during plant outages customized to our client's requirements and work scopes. From the supply of catalysts to complete turnkey services, we can do it all and everything in between.

- Supply of replacement catalyst
- Removal and installation of catalyst
- TA supervision
- Disposal
- Logistics



CATALYST EVALUATION & MAINTENANCE SERVICES

Our broad range of engineering and catalyst evaluation experience enables us to provide a comprehensive range of value-added services for complete catalyst management.

SCR Catalyst Management Scope:

- Catalyst test sample analysis & reporting
- Catalyst performance forecast
- Field services

SCR System Management Scope:

- Ammonia storage and delivery analysis
- AIG tuning
- Control system verifications
- Flow distribution analysis
- CEMS certifications



Micro Scale Reactor



Bench Scale Reactor



Catalyst maintenance is critical for ensuring efficient performance of catalyst activity during operation. In addition to the value-added technical services, we can support clients with work scope planning and budgeting for future outages, catalyst visual inspections for outage maintenance support, and cleaning services.

CATALYST REGENERATION

We can regenerate used Nano catalysts to restore its activity up to 90% of original value at fraction of the cost of a brand-new catalyst using advanced regeneration technology developed by Nano Corporation.



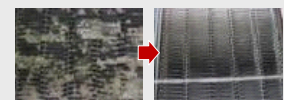
Honeycomb Type Catalyst



Before

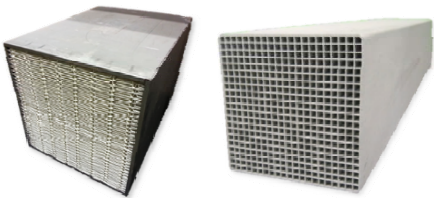
After

Plate Type Catalyst



Before

After



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