

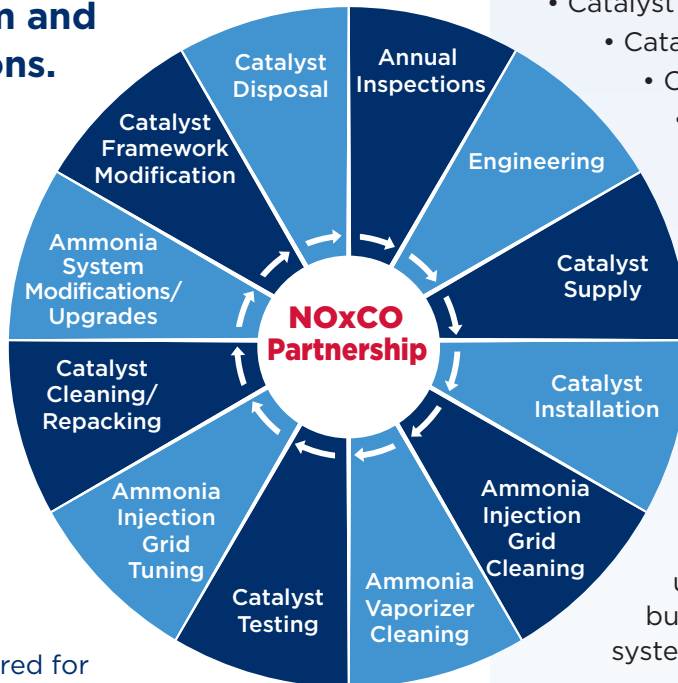
NOxCO Partnership

NOxCO provides a unique maintenance alternative comprised of bundled services to optimize your overall operations and ensure environmental compliance. Our proven methods are guaranteed to improve your operations.

NOxCO focuses on the entire life cycle of your complete catalyst system and HRSG operations.

We review current operations and anticipate future changes to ensure—at a minimum—you remain in compliance with the least impact. We also look for every opportunity to improve your power generation operations.

Our services are offered for simple cycle, combined cycle, and cogeneration operations. NOxCO can support clients operating gas turbines from any OEM of all vintages. Similarly, we can work with all catalyst configurations and OEM specifications.



SCR Catalyst Services

- In-Situ Mechanical Cleaning
- Catalyst Restacking and Repacking
 - Catalyst Evaluation & Testing
 - Catalyst Frame/Seals Replacement
- Catalyst Replacement
 - Semi-Annual System Performance Analysis
 - Catalyst Disposal

Ammonia Injection Grid (AIG) Services

Tuning A key to improving AIG performance is maintaining proper distribution across the SCR catalyst face.

Vaporizer Cleaning Vaporizer units are water jetted to remove build-up in the drip rings to maximize system efficiency and performance.

CO Catalyst Services

- In-Situ Mechanical Cleaning
- In-Situ Water Wash
- On-Site Rejuvenation
- Catalyst Evaluation & Testing
- Catalyst Replacement
- Catalyst Reclamation
- Semi-Annual System Performance Analysis

Benefits include:

- Guaranteed emissions compliance for NOx, CO, and ammonia slip
- Improve turbine efficiency (increased power output and reduced heat rate)
- Avoid scheduling conflicts among subcontractors by having one responsible partner
- Maximize flow through catalyst
- Minimize pressure drop
- Improve catalyst conversion efficiency
- Avoid unexpected downtime and compliance fines
- Reduce ammonia slip and ammonia consumption





In-house field engineering crews are catalyst specialists allowing us to pinpoint any operational deficiencies thereby avoiding unwanted compliance issues and unexpected downtime.

Our team is also responsible for all scaffolding, crane support, rigging and welding services required to perform our work. Partnering with your onsite personnel assures that we complete the work when scheduled and on time.

Catalyst Testing

NOxCO performs chemical and physical analyses of the catalyst on a periodic basis. Our process takes the guess work out of predicting catalyst end-of-life.

HRSG Cleaning

KinetiClean is safer and faster with the deepest cleaning effect of any method currently used to clean HRSG fin tubes.



This patented technology uses a proven Kinetic Shockwave cleaning method focused on cleaning and removal of unwanted foulant. A patented air system utilized after the blast features automated high-pressure, high-volume air distribution.

- **No manual tube movement**
- **Minimal-to-no scaffolding**
- **Other projects can continue in tandem**
- **No additional moisture**
- **Highly-trained and fully-licensed professionals manage explosive process**



Benefits include:

- **Guaranteed pressure drop (dP) across HRSG tube bundles**
- **Increased steam or power output in cogen and combined cycle applications**
- **Improved gas turbine efficiency (increased power output and reduced heat rate)**

NOxCO follows IME/OSHA-based safety training programs, along with an OSHA 30 training standard for all employees.

NOxCO

**GUARANTEED EMISSIONS.
RISK-FREE COMPLIANCE.**

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