Laboratory Services
Catalyst & Adsorbent Development
PGM Separation & Process Auditing
Performance Testing
Material Characterization

Catalyst & Adsorbent Development
Environex has years of experience developing catalysts and adsorbents from prototype development to full-scale production. We assist in selection of active materials, binders, and supports. Washcoat is formulated and applied with attention to support interactions, particle size, rheology, and adhesion.

- **Raw Materials**
  - Precious Metals
  - Ceria & Zirconia
  - Titania
  - Alumina
  - Zeolite
  - Silica
  - CARULITE®

- **Support Materials**
  - Ceramic Monolith
  - Metal Monolith
  - Pellet
  - Beads
  - Trilobes
  - Foam
  - Plates

- **Application**
  - Three-Way Catalyst (TWC)
  - Diesel Oxidation Catalyst (DOC)
  - Selective Catalytic Reduction (SCR)
  - Sulfur-Resistant SCR
  - High & Low Temperature
  - Water Adsorption
  - Ozone Destruction

PGM Separation & Process Auditing
- Novel separation technology
- Recovery optimization
- Waste stream minimization

Performance Testing
- SCR Performance
- CO Oxidation
- VOC Destruction
- Ozone Destruction
- Benchmarking
- Accelerated Aging
- Rejuvenation

Material Characterization
- ESCA
- ICP
- SEM/EDS
- BET Surface Area
- Pore Size/Volume
- Temperature Programmed Reduction (TPR)
- Oxygen Storage Capacity (OSC)
- Particle Size Distribution
- Adhesion Testing
- Crush Strength
- Attrition Testing
- Absolute Viscosity & pH
- Zeta Potential

Environex offers testing, engineering, consulting, research, and training services to companies and organizations related to air emissions control.

Contact us at admin@environex.com or 484-320-8608. More information is available at www.environex.com.