



What can clients expect from Catalyst Services?

You can rely on Catalyst Services to be aligned with your objectives, perform as a proactive business partner, and provide highly trained technicians and specialized equipment.



CEDA International Corporation is one of the largest providers of specialized industrial maintenance, turnaround and construction services in North America. Since 1973, clients have relied on CEDA to deliver outstanding technical services that optimize their investments, improve their competitive position and increase their long-term success.

CEDA employs talented and passionate people who are committed 24/7 to delivering world class service through innovative technologies, equipment and processes, safely every time. CEDA is comprised of several subsidiary companies and has offices throughout Canada and the United States.

cedagroup.com



**ONE OF THE WORLD'S LARGEST
AND MOST EXPERIENCED CATALYST
HANDLING SPECIALISTS.**





SAFE CATALYST HANDLING AND PROVEN TECHNOLOGY.

Catalyst Services is one of the largest catalyst handling companies in the world, delivering world class service to clients throughout North America as well as Trinidad and Tobago, South America, United Kingdom and Africa. Recently recognized as a 2010 Safety Award Winner by the National Petrochemical and Refiners Association (NPRA) in the United States, Catalyst Services is continuously evolving to incorporate new safety procedures and processes to ensure we meet and exceed client and regulatory standards.

SAFETY AND TRAINING

Safety is our highest core value — Catalyst Services follows a philosophy that gets “Everyone Home Safe Everyday” and has safely achieved the most IDLH man-hours industry wide since 1973. Our employee training and development program is essential to provide our clients with world class services. Our technicians complete a range of core competency modules and training for specialized equipment. Further, our people undergo extensive IDLH & Life Support Training before working at a client’s facility. Other training includes interactive computer based training, confined space and high angle rescue training, First Aid, CPR and defibrillator training as well as client, industry and legislative requirements.

SOFTLOAD TECHNOLOGY

Catalyst Services has developed a specialized technique for the loading of primary reformers — our unique SoftLoad® Technology has been used by Catalyst Services throughout North America and the world and completed numerous loadings since development in 2005. A fast and predictable loading method that reduces actual loading time by 50% (compared to the conventional sock loading method), SoftLoad removes the “human element” from the loading process. Its efficiency is backed up by the increased demand by industrial users around the globe

DENSICAT LOADING SYSTEM

Catalyst Services is the largest “world-class” licensee to Petroval’s DENSICAT® loading system. Petroval’s “Densicat” loading process is by far the most commonly used dense loading system world wide, without sacrificing the speed of the load. Benefits of Densicat include increased density compared to sock loading (up to 20% higher), improved bed homogeneity and a loading rate of up to 28 tons per hour.

SERVICES AND TECHNOLOGY

Lock-On Life Support System

- NIOSH approved system for inert space entry
- Helmets manufactured in-house thru SAMS (Supplied Air Monitoring Systems)
- SAMS is ISO 9001:2008 certified and 100% owned by CEDA International Corporation
- Helmet equipped with two high flow regulators; one primary regulator and secondary (auto flow back up)
- Helmet has 3 independent air supplies
- Helmet has built in closed circuit communication system
- State-of-the-art control room to monitor system activities

Entry Into IDLH Atmospheres

- Multi-Bed HTU and HCU Vessels
- Reforming Reactors
- Sulphur Convertors
- Dehydrators and Molecular Sieve Towers
- Ammonia Synthesis Convertors
- High and Low Temperature Shifts
- Methanator’s

Specialized Equipment and Processes

- Vacuum units specifically designed for pyrophoric catalyst handling
- Dust control and mitigation systems
- Enclosed nitrogen purged material conveyors
- Nitrogen recirculation and cooling units
- State-of-the-art mobile life support control room
- Remote, multi-gas (4) atmospheric testing
- Color HD video inspection, fixed bed & tubular
- High angle/confined space rescue systems
- 3 and 4 stage material segregation units
- Catalyst blending methods

SUCCESSES

Catalyst Services has safely completed numerous catalyst handling projects for clients throughout North America and internationally. Catalyst Services has provided services to many of the world’s leading energy companies such as Royal Dutch Shell, BP, Exxon Mobil, Chevron, DOW Chemical, Tesoro, Suncor Energy and the Caribbean Nitrogen Company.

Shell Scotford Refinery Fort Saskatchewan, AB

Catalyst Services provided a range of catalyst handling and changeout services for the refinery turnaround. Catalyst Services received an “excellent” rating on Health and Safety, Product Quality, Asset Integrity, Service Quality and an “outstanding” on Cost Management. Catalyst Services has a long-term contract with Royal Dutch Shell to perform catalyst handling projects throughout North America.

Petrotrin Refinery Trinidad and Tobago

Catalyst Services continues to provide catalyst changeout, catalyst maintenance and shutdown services on an on-going basis for this refinery. Catalyst delivered a zero TRIF rating and exceeded client expectations.

MEGlobal / DOW 55-49 Project

Lake Charles, Louisiana, USA
Catalyst Services provided catalyst handling and changeout services for this project. Client was very satisfied with level of service and technical performance. Catalyst Services delivered a zero TRIF on the project and were recognized for strong supervisory and project management processes.

Spectra Energy Turnaround

Ft. Nelson, British Columbia
Catalyst Services removed and replaced the rachig rings from Carbon Still and completed the unload and reload desiccant from dehydration beds for the 2010 turnaround. Catalyst Services work completed the work ahead of schedule and delivered a zero TRIF on the project.

