



**YOUR SPECIALTY  
INDUSTRIAL &  
ENVIRONMENTAL  
SERVICES PROVIDER**



**PIGGING & DECOKING**



## SERVICES

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- 24/7 Response
- Commissioning
- Decoking of Fired Heater Furnaces (Cokers, Vacuum Units, Diluent Heaters, Hydrocrackers)
- Descaling of Boilers (Once Through Steam Generators & Heat Recovery Steam Generators)
- Descaling of Syngas Coolers & Salt Bath Heaters
- Smart Pigging Capabilities
- Pipeline Pigging
- Turnaround Scheduling
- Custom Designed Pigs – Fit for Purpose
- Filtration



## PIGGING & DECOKING

CEDA operates a fleet of technologically advanced pigging and decoking mobile units. Our experienced team is focused on helping you minimize downtime, mitigate risk and avoid costly outages. CEDA routinely delivers safe, environmentally friendly and effective pigging, decoking and descaling services to industrial facilities throughout North America. Our highly trained operators work collaboratively to solve problems.



## WE PROVIDE SERVICES FOR

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- Refineries
- Upgraders
- In-Situ Facilities
- Chemical Plants
- Oil Recycling Plants
- Pipelines
- Steam Generation Facilities
- Steam Injection Facilities



## OUR ADVANCED MOBILE UNITS INCLUDE

- First-of-its-Kind Electric Triple Pumper (Meets Tier 4 Emission Standards)
- State-of-the-Art Engineered Double & Triple Pumpers
- Double Protection Spill Containment
- Emergency Shutdown Device
- Onboard Computer Systems that Monitor Pigging Activities & Pig Location
- Self-Sufficient Power Source
- Quality Control Program for All Pressure-Rated Hoses, Launchers & Receivers
- Coke Entrapment Systems that Allow Access to Coke or Scale Residue





### THE CEDA DIFFERENCE WITH PIGGING & DECOKING

- We employ highly skilled operators to provide superior service with a focus on safety, efficiency, quality and improving scheduling
- Are able to quickly mobilize and maintain peak operational readiness
- Our extensive preventative maintenance program maximizes equipment availability
- Our proprietary filtration units minimize the impact on the environment by recycling the water required for pigging
- We improve schedules by deploying multiple pumper pigging units on outages
- Mitigate the risk of lodged pigs in assets with multiple line sizes by having each pump with its own engine and operator
- Able to custom design a fit for purpose pig and progressive pigging program to account for tube metallurgy and fouling hardness to reduce the risk of scoring the tube wall



Specializing in  
industrial maintenance,  
turnaround and  
environmental services.



**CEDA's talented and experienced team is committed to providing world-class solutions to help clients maximize production, mitigate risk and avoid costly outages, always with safety top of mind.**

We operate across North America delivering more than 120 distinct services and products to support oil and gas, pipeline, power, pulp and paper, chemical, mining and steel industrial facilities. For over 45 years, CEDA has been bringing innovative technologies, equipment and processes into the field to ensure the success of our clients' projects.

#### **CEDA PROVIDES INTEGRATED SOLUTIONS FOR**

### Commissioning & Startup

CEDA's pre-commissioning, commissioning and startup services for new build or facility expansion projects are multi-disciplinary, where we interface between construction and operations to verify work based on project specifications. We manage the relevant punch list across hydro-testing, cleaning, commissioning and remaining mechanical activities. CEDA is able to complete the static testing of equipment up to the issuance of ready for commissioning certificates.

### Turnarounds & Outages

CEDA has the experience and expertise to support the supply and management of integrated turnaround and outage related services including mechanical, chemical cleaning, pressure and vacuum, fabrication, heat exchanger cleaning and repair, or any combination thereof. We support the most demanding schedules with multiple dayshift and nightshift crews in various locations.

### Operations & Maintenance

CEDA offers a wide range of comprehensive operation and maintenance services focused on the breadth of mechanical and industrial cleaning activities. Our experience and footprint across Canada has resulted in effective strategies to address the ever-changing needs of our clients. We are capable of working on-site as well as providing maintenance and repairs to live operating units in a safe and timely manner without unplanned disruptions.

### Sustaining Projects

CEDA is a complete service provider for sustaining project activities from off-site fabrication of piping, pressure vessels, modules, and packaged equipment to site installation, commissioning and startup. What sets CEDA apart is our ability to provide multiple mechanical and industrial cleaning services, therefore, limiting the number of subcontractors.

## Integrated or Stand-Alone

CEDA's service and product lines work as an integrated offering or independently.

### CEDA'S CORE SERVICES & PRODUCTS

-  | PRESSURE, VACUUM & FLUID TRANSPORTATION
-  | CHEMICAL CLEANING
-  | TANK MAINTENANCE & CLEANING
-  | PIGGING & DECOKING
-  | EXCHANGER SERVICES
-  | MECHANICAL & FABRICATION
-  | MANUFACTURING & PROCESS EQUIPMENT
-  | PROJECT SERVICES
-  | DREDGING & FLUID MANAGEMENT

