



**YOUR SPECIALTY  
INDUSTRIAL &  
ENVIRONMENTAL  
SERVICES PROVIDER**



**ENVIRONMENTAL SERVICES**



## Safely supporting our clients in progressing their key ESG initiatives.

As an industrial maintenance, turnaround and environmental services provider, we are committed to helping our clients progress their key environmental, social and governance (ESG) initiatives.

We partner with our clients to keep their critical assets in the best operating condition to:

- Reduce incidents that could cause air, soil and water contamination
- Prevent unplanned plant disruptions and shutdowns
- Reduce equipment failures that could cause spills, leaks and fires
- Reduce operational risks that may lead to unpredictable failures
- Generate energy efficiencies

### SERVICES

- Tailings Management
- Water Management
- Air Management
- Spill Prevention
- Emergency Response



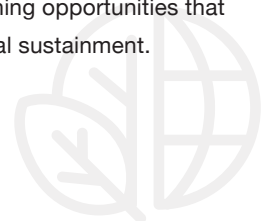
## ENVIRONMENTAL SERVICES

### ENVIRONMENTAL MANAGEMENT PRACTICE

CEDA is committed to protecting the environment and the communities we serve. We believe in conducting business in a manner that seeks to reduce the impact we have on our environment.

We incorporate sustainability into our business practices and we strive to perform through the following principles:

- Manage operations in compliance with all municipal, provincial and federal laws, rules and regulations.
- Ensure our employees and contractors are aware and accountable for working to reduce our environmental impact.
- Reduce waste production and pollution by carefully sourcing materials and using our resources efficiently.
- Ensure all equipment is inspected, maintained and in proper working condition to minimize contaminants and spills that could adversely impact the environment.
- Ensure that controlled products are properly used, stored, handled and manufactured in accordance with applicable legislation.
- Effectively protect our workers, the environment and the public when responding to an emergency.
- Implement educational and training opportunities that address and value environmental sustainment.



## TAILINGS MANAGEMENT

A significant environmental priority for mine sites is the management and reduction of tailings. Tailings are the by-product of mining after the recoverable commodity is extracted and may include sand, water, clay, silt, metals and residual hydrocarbons that accumulate in tailings ponds.

- CEDA has significant experience with dredging various types of materials and progressing tailings to a ready to reclaim (RTR) state.
- CEDA was involved in the first reclamation of an oil sands tailings pond near Fort McMurray, Alberta and continues to be involved in helping clients achieve requirements for Directive 085: Fluid Tailings Management for Oil Sands Mining Projects.
- CEDA has treated and dredged over 250 million cubic meters of tailings, which is like filling an Olympic-sized swimming pool 100,000 times! – helping to return the land to its natural state.

## WATER MANAGEMENT

CEDA's water management practices support our clients in providing products and services that enhance people's lives while reducing legacy environmental impacts.

- CEDA uses innovative technology for heat exchanger services to reduce the time required to clean and decrease the volume of water required for cleaning by 50%.
- CEDA uses filtration systems to recycle thousands of litres of water for industrial cleaning activities to reduce waste generation. These systems filter and separate contaminants from process water allowing it to be safely reused for multiple cleaning cycles.
- CEDA offers hauling services for produced (recycled) water to reduce the use of fresh water for fracking purposes in our B.C. operations.
- CEDA's Pigging & Decoking cleaning process requires no chemicals and by using our proprietary filtration units, we are able to minimize the impact on the environment by recycling the water required for pigging. Water is reused during the process and recycled for future plant services.

## AIR MANAGEMENT

CEDA ensures controls are in place to reduce or eliminate air pollutants from maintenance activities performed on-site.

- CEDA provides online leak seal services for pressure equipment components such as pipes, fittings, valves, vessels, etc. to control and eliminate leak points without shutting down production. We address leaks quickly to minimize production loss and prevent contaminants from being released into the environment.
- CEDA uses dry and wet scrubbers in our cleaning processes to control gaseous emissions from being released into the environment. CEDA's dry scrubbers remove multiple hazardous toxins without the use of chemicals.
- CEDA's Pigging & Decoking fleet includes electric driven triple-pass pumper units, which reduces the need for diesel in turn supporting the reduction of GHG emissions.

## SPILL PREVENTION

CEDA works in environments where regulation and policy do not allow for spills. Although unplanned releases happen, our goal is to have zero environmental spills through our "Nothing Hits the Ground" initiative by:

- Using established practices and procedures for the specific job task being performed.
- Providing job specific competency training to our employees.
- Incorporating learnings from past incidents into procedures, checklists, job hazard assessments and training.
- Using secondary containment for storage and fluid transfers.





- Performing preventative maintenance and worksite inspections.
- Providing spill prevention resources, including truck berms when required, drip trays, matsorb pads and spill kits.
- Responding in a timely manner to minimize impacts if a spill occurs.

In addition, CEDA is compliant with following programs in Canada:

- The Emergency Response Assistance Plan (ERAP) Program mandated by Federal Transport Canada.
- BC Waste Contingency Plan and Ontario Environmental Compliance Approval mandated by the applicable province.

## EMERGENCY RESPONSE

CEDA provides emergency response services for natural disasters/pandemics that require specialty services including but not limited to: industrial cleaning, water hauling, pumping and fluid management and disinfection services.

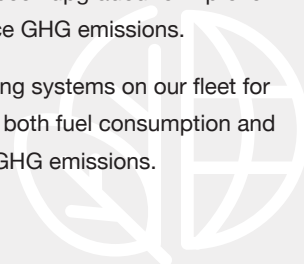
- CEDA provided safe and efficient procedures for sanitizing and disinfecting industrial facilities during the COVID-19 pandemic. We ensured our teams were properly protected and that our equipment was inspected, maintained and in proper working condition to minimize contaminants and spills. We used an all-in-one specially formulated industrial strength product that was compatible with waste handling facilities.
- CEDA employees volunteered on the frontlines during the 2020 Fort McMurray Flood that displaced over 10,000 people and damaged over 1,000 buildings.

- CEDA supported the Red Cross during the Fort McMurray Wildfires in 2016 by pledging \$50,000 with our employees raising an additional \$9,500. CEDA also provided fuel and water truck services to support emergency services in the community.
- CEDA supported the incredible efforts of the Canadian Red Cross during the 2013 Southern Alberta floods by matching employee donations, fundraising a total of \$23,000. CEDA also dispatched equipment and volunteers to High River, Alberta to help with the clean-up efforts and assisted in removing the sludge that was left behind after the flood.

## INNOVATION

For over five decades, we have been bringing innovative technologies, equipment, and processes into the field to drive down the cost of maintenance activities and solve significant operational and environmental challenges.

- CEDA has partnered with a company in recent years to develop a new technology to deliver:
  - o a refined oil and gas product for retail markets
  - o a refined oil and gas product suitable for safer transportation
  - o optimized refining process to further reduce and offset GHG emissions
- CEDA has upgraded over 80 of our pump control panels. This upgrade provides real-time feedback and safety alerts Pump Operators of an impending failure so they can safely shutdown the pump remotely. Digital remote monitoring also reduces fuel consumption and emissions by decreasing the use of light duty vehicles.
- CEDA's unique procedures for chemical cleaning ensure projects are completed safely and efficiently with minimal environmental impacts.
- CEDA has built and designed self-contained chemical cleaning units that reduce the need for auxiliary equipment, which minimizes the risk of environmental spills. The improved design also reduces fuel consumption and emissions by decreasing the use of light and heavy duty vehicles.
- CEDA's Heavy Duty Fleet has been upgraded to improve equipment reliability and reduce GHG emissions.
- CEDA has installed GPS tracking systems on our fleet for real-time monitoring to reduce both fuel consumption and idle times ultimately reducing GHG emissions.





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, municipal and steel industrial facilities. For over 50 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:**

### Environmental Services

As an industrial maintenance, turnaround and environmental services provider, we are committed to helping our clients progress their environmental, social and governance (ESG) initiatives. We partner with our clients to keep their critical assets in the best operating condition to minimize adverse impacts to the environment and to use resources efficiently.

### 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 onsite as well as providing maintenance and repairs to live operating units in a safe and timely manner without unplanned disruptions.

### 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.

### Capital Projects

CEDA is a complete service provider for capital 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.

### 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.



## 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



TAILINGS MANAGEMENT &  
ENVIRONMENTAL SOLUTIONS

