

Central Alberta's Premiere Coating Company

Sandblasting & Abrasive Blasting

Painting & Coatings

Shop or Field



HALL
INDUSTRIAL
CONTRACTING LTD.



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www.hallindustrialcontracting.com



**HALL
INDUSTRIAL
CONTRACTING LTD.**



Hall Industrial Contracting delivers corrosion protection solutions to solve all types of corrosion-related problems.

Solutions include sandblasting and painting, industrial coatings and linings, fiberglass, urethane foam, containment, and more.



Leaders in Industrial Coatings

Hall Industrial Contracting takes the lead in industrial coatings and abrasive blasting solutions for industrial settings.

Superior industrial coatings increase durability and value, whether the project is new construction, maintenance or resurfacing. As corrosion prevention and repair specialists, we engineer and implement solutions on most types of internal and external industrial surfaces.

We service the following industries in Western Canada:

- ◆ Oil and gas
- ◆ Petrochemical
- ◆ Fabrication
- ◆ Agriculture
- ◆ Aviation
- ◆ Construction
- ◆ Forestry/pulp and paper
- ◆ Government
- ◆ Mining
- ◆ Power generation
- ◆ Transportation
- ◆ Food and beverage

Experience

Backed by decades of experience, Hall Industrial Contracting is Central Alberta's most trusted protective coatings applicator

Technical Knowledge

Certified NACE Inspectors, Journeyman Applicators

Equipment

Central Alberta's largest fleet of mobile equipment

Facilities

Largest facility in Central Alberta

People

Our experienced, certified and skilled tradesmen deliver safe and professional services

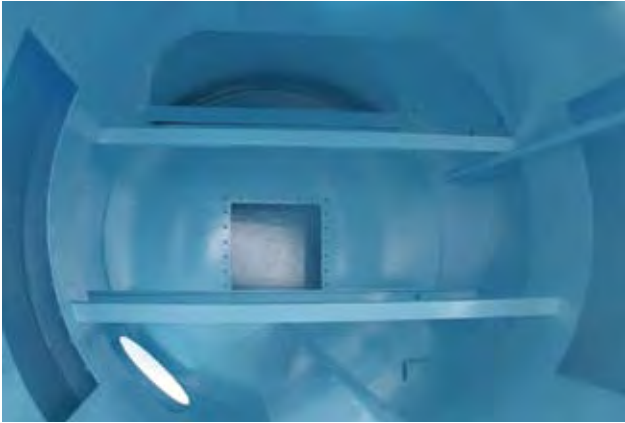
High production blasting

Blasting technicians working off man-lifts prepare the exterior surface for application of a 100% solids-aluminized coating that is a UV-tolerant, seamless monolithic system which forms a chemical-resistant membrane.

Central Alberta's Leader in Corrosion Protection and Protective Coatings

- ◆ Field work
- ◆ **Turnarounds**
- ◆ Mobile equipment
- ◆ Pipeline coatings
- ◆ Floor coatings
- ◆ Surface preparation
- ◆ Shop facilities
- ◆ Manufacturing
- ◆ Fiberglass
- ◆ Foam insulation
- ◆ Internal coatings
- ◆ Inspection
- ◆ Industrial painting and coatings
- ◆ Specification design and consulting

Internal Linings



The interior of a treater was blasted to SP5, and coated with Devchem 253 in our shop. Complete inspection followed, with QA/QC reports given to customer.

- ◆ Tank and vessel linings
- ◆ Pipeline coatings (SPC, DENSO)
- ◆ Fiberglass lining and repair
- ◆ Secondary containment coatings
- ◆ Gaseous containment coatings
- ◆ Concrete and steel sump restoration and coating
- ◆ Internal spool and pipe coatings



Pipe spools coated with 80 mils DFT of Enviroline 225 acid-resistant coating, to be installed during a shutdown at Nova.

Fiberglass Lining



- ◆ Fiberglass fabrication, lining and repair
- ◆ Fiberglass (FRP) lining systems are one of the longest lasting and most proven systems in the industry

Fiberglass repair

A carbon steel pipe had corroded through, creating a leak. Hall Industrial installed a fiberglass sleeve the same day with the line in service, avoiding a costly unplanned shutdown. The plant continued to operate while a replacement spool was fabricated and coated in our shop.

Floor Coatings

Demanding industrial environments require coating systems that perform in tough service conditions.

Floor preparation

- ◆ Concrete is prepared using a **dust-free** process called shotblasting and **dust-free** diamond grinding.
- ◆ Concrete restoration – spalling repair, crack repair, joint repair, epoxy injection, and parging

Concrete floor coating

- ◆ Chemical- and abrasion-resistant surfaces, non-slip surfaces, CFIA food-grade surfaces, and dust proofing and hardening



Concrete floor is shotblasted in preparation for epoxy floor coating system. Our shotblasting equipment is 99% **dust-free** and poses no risk, even in sensitive electrical system areas.



After: Concrete dusting eliminated in electrical room after floor is shotblasted and coated with epoxy coating system.

Urethane Foam Insulation

Hall Industrial specializes in Spray Polyurethane Foam (SPF) applications: insulation systems, custom design and installation for industrial, commercial or residential applications. We will design and install an SPF system to meet your specific requirements.

- ◆ Outlasts other insulating materials
- ◆ Acts as a fire retardant

Both mobile and shop services are available. All work is guaranteed.



3" of Class 1 fire retardant urethane foam applied to interior of industrial metal building. Top coated with Intumescent UL/ULC-approved elastomer.



Storage tank foamed with 2" of Class 1 foam and topcoated with UV resistant elastomeric coating.



100' diameter domed roof

After internal coatings were complete and tank was restored to API standards, moisture attracted to wool insulation on roof led to surface corrosion on tank roof and loss of insulating properties. Failed insulation and metal cladding were removed, surface was blasted and primed, up to 18" of foam was applied to improve drainage, and tank was top-coated with HTS fire-resistant acrylic elastomer.

Turnarounds

Hall Industrial Contracting has earned a reputation as a turnaround specialist, providing time-sensitive work done safely and efficiently, with high quality workmanship.

We offer a comprehensive list of on-site services, including:

- ◆ Industrial plant coatings
- ◆ On-site maintenance
- ◆ Sandblasting and abrasive blasting
- ◆ Painting
- ◆ Lining
- ◆ Mobile equipment fleet – abrasive-blast equipment, paint application equipment, dust collectors, dehumidifiers, and indirect-fired heaters.

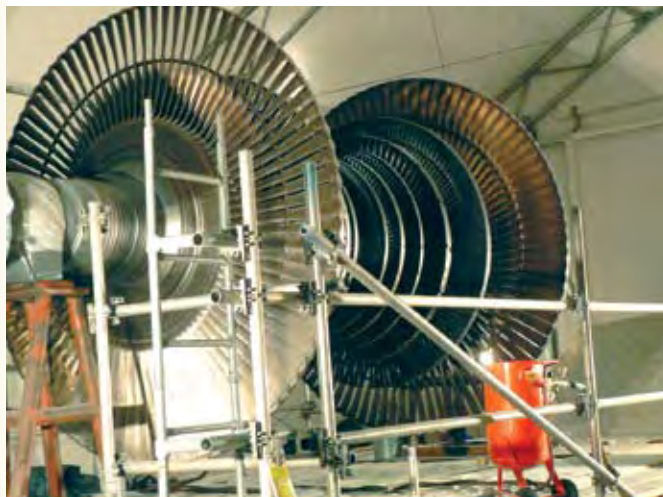
Hall Industrial Contracting adheres to a rigorous internal quality control program, and we work cooperatively with both site and third-party inspectors to ensure that high quality is achieved throughout the turnaround.

Hall Industrial offers decades of experience, knowledge and technical expertise as well as expert personnel and specialized equipment to ensure your shutdown is well planned and well executed.



Tank rehabilitation

This heavily corroded tank was lined with fiberglass at a fraction of the cost of a new replacement tank and with significant savings in downtime. We came in during a shutdown to install a Derakane Fiberglass lining system. After fiberglass installation, the tank met EUB and API standards.



Specialized abrasive media blasting *Power generation turbine fins cleaned with glass-bead abrasive during shutdown.*

Field Coatings



Dow Chemical 100' storage tanks Tanks were scaffolded so that cladding and insulation could be removed and corrosion under failed wool insulation could be repaired. Due to proximity to residential area, the tanks were blasted using a **dust-free** water-injection method. The surface was then completely recoated with two coats of mastic epoxy before new insulation and cladding were reinstalled.



Tank exterior refurbishment

Existing lead-based paint was prepared for coating using high pressure washing. Tank was then washed with Devco Devprep 88 and rinsed. Devco surface tolerant Bar-Rust epoxy was applied to encapsulate existing paint. Two coats of Devco Devthane were applied, followed by painting of corporate logos by our crews.



Pipeline Coatings

- ◆ Pipes and pipeline internal/external coatings
- ◆ Approved applicator for SPC and DENSO etc. coatings.
- ◆ Coating of pipeline valves, bends, and full length pipes in our shop or in the field.

Corrosion dig pipe rehabilitation
Hall industrial is a certified applicator of Special Polymer Coatings and for other major pipe coating suppliers.

Endura® Shop Work

Hall Industrial is the largest approved Endura® applicator in central Alberta.



Cab, frame and deck painted with Endura® at our shop. Unit was put on display at the International Oil Show in Calgary, AB.



Two 400 BBL tanks were custom painted with Edmonton Oiler team colours for placement near Edmonton.



Swab rig blasted and painted with an Endura® paint system.



Vacuum truck - tank is internally lined with a protective coating. Exterior is painted with Endura®.

Shop Work



Component manufacturing

Power outage protection components called Greenjacket patented by Cantega Technologies, and distributed by 3M Canada, are manufactured in our facility using polyurea chemistry and plural-component spray technology. All components must meet 3M's ISO and quality control standards.

Hall Industrial's head office and principle shop facilities are located in Red Deer, AB. A year-round climate-controlled shop provides an ideal environment for successful coating applications.

The shop has three industrial-sized, drive-thru paint bays, each 25' wide by 100' long, with large overhead doors (22' x 22') that can accommodate everything from large oilfield equipment, masts and skids to tanks, vessels and spools.

A separate tank shop with a 32'-high door is specially designed to handle coating applications on tanks and over-height equipment.



Pipe internals were coated with an NSF-approved potable water lining in our shop.



The vessel was coated with Devchem 253 in our shop. Complete inspection followed, with QA/QC reports given to customer.

Shop Services

- ◆ Specializing in Endura® Paint Systems
- ◆ Equipment painting
- ◆ Tank and vessel lining
- ◆ Spool and pipe coating
- ◆ Fiberglass fabrication
- ◆ Polyurea component manufacturing
- ◆ Shot peening (aluminum and stainless pipe internals)



Blast unit cw 935 CFM compressor with Air Dryer and Air Purification System

Equipment

A mobile fleet of specialized equipment is available for field applications and includes the following:

- ◆ High-output blasting equipment
- ◆ Dehumidification units – to control and optimize ambient conditions
- ◆ Flameless heaters – to facilitate cure schedules
- ◆ 40,000-CFM dust collectors – to minimize airborne particles and improve workplace safety
- ◆ High-volume application equipment
- ◆ The latest in inspection equipment technology



Self-contained mobile foam unit



40,000-CFM mobile dust collector

Quality and Safety Inspection and Consultation

Quality and safety take the lead in everything we do. To ensure your project is completed in accordance with reputable standards, we adhere to all applicable industry guidelines such as those set by NACE International (National Association of Corrosion Engineers), the Society for Protective Coatings (SSPC), and the American Petroleum Institute (API).

We adhere to a rigorous internal quality control program, and we work cooperatively with both site and third-party inspectors to ensure high quality throughout each project. Detailed records are kept during every phase of your project and turned over to you upon project completion.

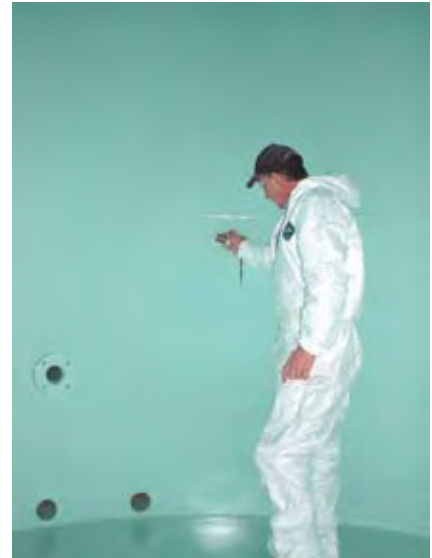
Hall Industrial has worked in dozens of plants and has critical experience working in live facilities and congested and high-risk areas. Whether in our shop or at your site, we guarantee safe, quality-controlled and efficient work.

◆ Coating inspections



Checking mil thickness on internally lined vessel.

◆ Coating specifications



Safety Certificate of Recognition



COR certificate

Quality/safety standards:

- ◆ Coating inspectors are NACE certified
- ◆ Quality Control procedures and records
- ◆ Journeyman applicators and qualified trades personnel
- ◆ Safety Certificate of Recognition (COR)
- ◆ All work is guaranteed

To find out more or to obtain an estimate or consultation, please contact us by mail, phone, fax, or e-mail.



Red Deer (head office)

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Partial aerial view of head office/shop, located just North of Red Deer, Alberta, close to Highways 2 and 2A.



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