



## Industrial Insulation

Mechanical systems in industrial settings consume large amounts of energy to heat or cool elements – such as air and water – for the production of materials. Additionally, systems are in place for the good of the people in the building and/or the materials that may be stored there. In an industrial setting, elements are cooled and heated to more extreme temperatures, making temperature loss or gain even more prevalent ... and costly. Also, the machinery is larger in both scale and number, providing even greater opportunities for temperature loss. These factors are forcing the system to work harder to maintain thermal consistency, which makes it costlier to maintain and operate. All the more reason for effective industrial insulation products.

Due to the need for such high volumes, energy consumption can be quite costly in an industrial setting, making the conservation and proper management of it even more essential. The energy loss prevention provided through industrial insulation of machinery and infrastructure can greatly reduce the cost of energy. Our highly-skilled and experienced contractors understand the many facets of industrial insulation, and bring that knowledge and expertise to every installation project.

## Insulation Maintenance

Much like anything else, insulation has a time limit to its usefulness. Aged or poorly maintained insulation can cause significant energy loss, and in some cases, release harmful particles into the air. Our insulation maintenance services extend the useful life of insulation for many years, meaning the insulation will maintain its thermal efficiency and keep energy costs lower. Maintenance is also a less expensive option to replacement, compounding the benefits of insulation maintenance services.

Our insulation contractors have thousands of hours of hands-on experience in insulation maintenance. From assessing and quoting to completing the maintenance project, our number one priority is providing you with excellent service and value.

## Planned Outages & Turnarounds

We understand that when planning turnarounds and outages, every second spent not working is money wasted. Planned shutdowns of industrial facilities and power plants for maintenance and repair require a partner who emphasizes safety, has strong planning capabilities and highly skilled personnel.

We can help optimize your downtime by controlling costs and outage duration to help the long-term efficiency and durability of your facility.

## Industry Segments:

- Chemical Processing
- Oil & Gas Pipelines
- Petrochemical
- Pharmaceutical
- Power Generation
- Pulp & Paper
- Refining & Upgrading

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Steel buildings are a cost-effective and time-efficient solution to creating reliable space for a wide range of commercial and industrial applications.

Pre-engineered metal buildings allow construction to proceed more quickly, and typically at a lower cost than conventional construction. When looking for a contractor to provide metal building services, you need a partner who can get the job done quickly, safely, and within budget. Altair Contracting is that partner.

Altair Contracting specializes in providing an all-in-one solution for your metal building project. Whether it's a large-scale industrial or commercial building, or simply a small temporary exterior building, we can provide an effective metal building solution.

### **Metal Building Services:**

- Self-framed (structural panel building systems)
- Metal cladding wall and roof assemblies
- Complete building accessory packages
- Energy/heat conservation

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We have vast experience in the successful completion of asbestos and lead abatement, mold remediation and hazardous chemical clean-up projects. We understand all the financial risks involved in the environmental remediation projects and can deliver a well-planned, cost efficient solution to one of the most risky and costly portions of many projects.

## **Asbestos Abatement**

Altair Contracting is a fully licensed asbestos abatement contractor that abides by and has comprehensive knowledge of all the rules and regulations enforced at the local, provincial and federal levels. Our state-of-the-art equipment and excellent safety record enable us to perform any size abatement project from small glovebag jobs to full enclosure negative air projects. In addition, our labor force keeps up-to-date with licenses, physicals and training to ensure our ability to respond to any of our customer's needs with maximum efficiency.

## **Lead Abatement**

Our personnel are fully trained to remove and dispose of lead containing materials. We use state-of-the-art technology and equipment and all of our procedures meet or exceed Canadian Environmental Protection Act requirements. We specialize in many forms of lead abatement: Vacuum Blasting, Mechanical Abrasion, Chemical Strip, Encapsulation, and Removal/Replacement.

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*The full-service specialty contractor  
that's up to your most demanding challenge.*



Through our vast experience in installing acoustic insulation panels and sound-absorbing jacketing, Altair Contracting can provide noise control solutions ranging from industrial power plants to the smallest of construction projects.

### **Acoustic Insulation Panels**

For noise control purposes, Altair Contracting can customize our product line to outfit any structure with specialized acoustic panels consisting of various sound absorbing materials, specifically designed to meet your unique sound reduction requirements. Our panel systems enhance a building's aesthetic appeal while absorbing sound in the loudest environments and limiting migration into the environment.

### **Sound-Absorbing Jacketing**

Altair Contracting offers varying types of flexible and sound-absorbing custom fabricated jackets designed for equipment and machinery with complex geometries and demanding decibel reduction requirements, with or without additional thermal requirements. Examples include turbines, combustion ducts, fans, pumps, blowers, compressors, and exhaust systems. The flexible jacket, fabricated from weather and corrosion resistant, non-combustible composite materials, distributes sound waves to a sound absorption layer that measurably reduces the level of noise in order to reduce decibel levels to acceptable limits.

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Altair Contracting specializes in the installation of UL-classified and FM-approved firestop systems. When you choose us, you're selecting a premier installer of passive fire protection systems for mechanical, electrical, and plumbing penetrations, fire resistive joints and fire rated wrap, and enclosure systems.

### **Penetration Firestop Systems**

Altair Contracting supplies and installs MEP penetration firestop systems for pipe, duct, conduit, wire, cable, cable tray, busway, and various steel penetrants (beam, joist, truss, rod, support, etc).

### **Fire Resistive Joint Systems**

The protection of static and dynamic joints in the building environment is critical to maintaining life safety. Our team will identify and our craftsmen will install the right system for wall openings, perimeter gap (slab edge), and the building's exterior skin.

### **Slab Edge/Curtain Wall**

Our personnel are highly trained and skilled in the installation of friction fit and mechanically fastened curtain wall insulation and mullion cover systems.

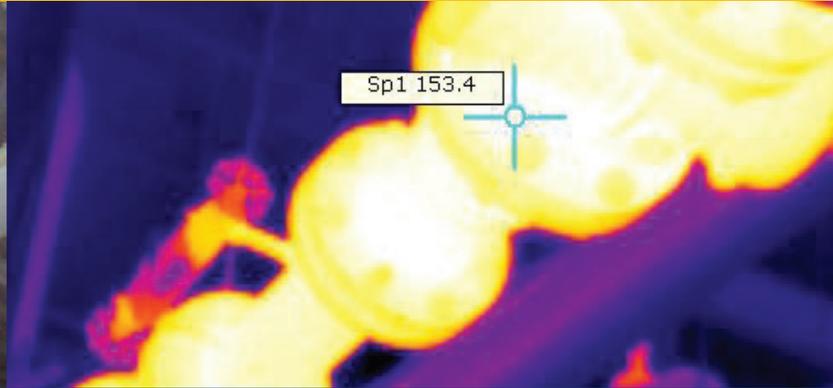
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Our I-STAR Energy Appraisal Program uses the latest technology, including infrared/digital photography, and state-of-the-art energy assessment appraisal software to quantify your heat loss. Our NIA-certified technicians use the resulting data to calculate potential energy savings and reductions in greenhouse gas emissions to determine the optimum course of remediation.

Our team of highly skilled appraisers and insulation professionals offer a full-service, efficient, safe and cost-effective energy assessment approach to reducing your energy consumption and carbon footprint.

### Services:

- Mechanical Insulation Assessment
- Building Envelope Assessment
- Smart Sensors
- Blower Door Testing
- Certified Infrared Analysis
- Steam Trap Evaluation
- Airborne Ultrasonic Testing
- Scope Development

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The Altair Contracting team is recognized as being safe and dependable for a wide array of scaffolding services. From design and full project management to expert erection/dismantling, as well as reliable equipment, customers can count on Altair Contracting to provide comprehensive solutions to support their access needs and deliver value.

Altair Contracting work extends beyond just the scaffolding installation itself, delivering value-added scaffolding services that maximize the customer's project's productivity, while ensuring safe, reliable, and compliant access.

### Scaffolding Types & Other Services:

- Systems Scaffolds
- Suspended Scaffolds
- Rolling Scaffold Towers
- Material & Personnel Hoists
- Fall Protection Systems
- Sidewalk Bridges
- Wrap Enclosures
- Netting
- Debris Chutes
- Hoarding Structures

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Altair Contracting understands that when planning turnarounds and outages, every second spent not working is money wasted. Our planning expertise, highly-skilled and trained personnel, exemplary safety record, and sophisticated cost control management systems will optimize your downtime by tracking production, reducing costs, and shortening outage duration to help the long-term efficiency and durability of your facility.

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# Locations



- ★ Corporate Office  
Lancaster, PA
- Central Estimating  
Nashville, TN



- Houston, TX
- Lancaster, PA
- Indianapolis, IN



- Indianapolis, IN
- Midland, MI
- Columbus, OH
- Marietta, OH
- Toledo, OH
- Nashville, TN



- Indianapolis, IN
- Lancaster, PA



- Baltimore, MD
- Lancaster, PA
- Philadelphia, PA



- Phoenix, AZ
- Los Angeles, CA
- Denver, CO



- Boston, MA
- Albany, NY
- New York City, NY
- Syracuse, NY



- Omaha, NE
- Kansas City, MO



- Edmonton, AB



- Baton Rouge, LA



- Edmonton, AB



- Temecula, CA
- Denver, CO
- Viera, FL
- Wells, ME
- New York City, NY
- Columbus, OH
- Lima, OH
- Lancaster, PA
- Houston, TX



- Sayreville, NJ



- Phoenix, AZ



- Salt Lake City, UT
- Denver, CO



- Portland, OR
- Salt Lake City, UT
- Seattle, WA



- Philadelphia, PA
- Pittsburgh, PA

## Irex Contracting Group:

A network of specialty contractors delivering exceptional value in innovation, performance, safety and service.

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