

Advanced SPECIALTY CONTRACTORS

Our unmatched experience in mechanical insulation helps protect your infrastructure investments by reducing energy consumption, noise levels, and condensation. It protects personnel and improves process control and productivity through mechanical and equipment efficiencies and longer life cycles. Let our certified I-STAR™ Energy Appraisal technicians and expert insulation contractors remove many of the obstacles to better productivity and improved operations.

Mechanical Insulation Services:

- Acoustic Insulation
- Pre-Fabricated Panel Systems
- Certified Energy Assessments
- Consulting Services
- Insulation Maintenance
- Insulation Material Sales
- Planned Outages & Turnarounds
- Removable Insulation Blankets
- Sheet Metal Lagging
- Specialized Fabrication
- Thermal Insulation Systems

Industry Segments:

- Commercial
- Cryogenic
- Industrial
- Petrochemical
- Pharmaceutical
- Power Generation & Transmission

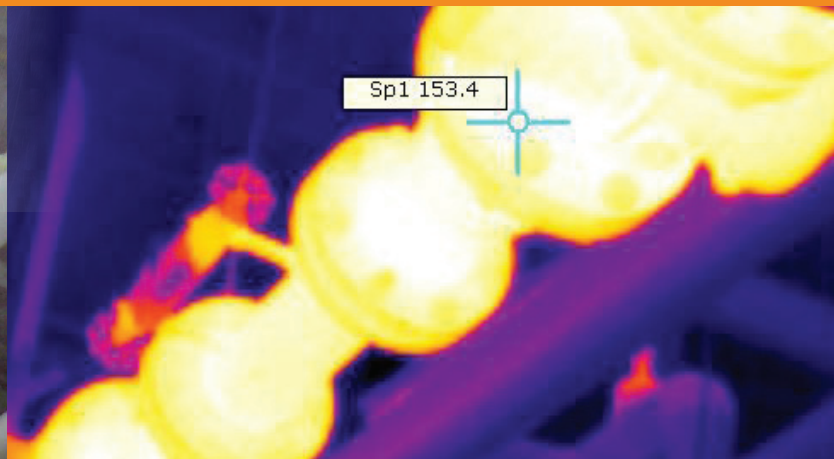
Contact Advanced Specialty Contractors and let our team of experts develop a plan specific to your facility and needs.

Baltimore, MD 410.540.4935 | Central & North Eastern, PA 717.399.5117

Philadelphia, PA 610.497.0440 | Sayreville, NJ 732.525.0100

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Advanced Specialty Contractors' I-STAR Energy Appraisal Program uses the latest technology, including infrared/digital imaging and our state-of-the-art proprietary energy appraisal software, to quantify heat loss emanating from your mechanical systems and building envelope. Our NIA-certified and BPI-certified technicians use the resulting data to calculate energy savings and reductions in greenhouse gas emissions to determine the optimum course of remediation. With Return on Investment (ROI) averaging less than two years, our services will provide you the quickest, most cost-effective solutions to your energy management challenges.

Failed steam traps are one of the largest problems facing building maintenance today. When steam traps fail, large amounts of energy are unnecessarily consumed and your system works harder to try and maintain temperature and pressure. Advanced Specialty Contractors provides a solution with the installation of Smart Sensors. Smart Sensors integrates wireless sensors with highly efficient insulation to monitor your steam traps and provides early notice of failure to save time, money and possible interruptions of service. With Smart Sensors installed on your steam system, you will have constant access to steam component health information and reports highlighting your total energy savings.

Services:

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

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Unique Smart Sensor technology integrates wireless sensors with highly efficient insulation. You'll have constant access to Steam component health information and reports showing true energy savings.

Data from every Smart Sensor in near real-time

- Energy Savings (BTU/hr. and total dollars)
- Component temperature(s) under insulation
- Insulation touch (surface) temperature
- Ambient temperature

Email or SMS Alerts

Email or text messages can be sent as soon as abnormal functioning or component failure is detected.

Easy to Use Web Portal

The Web Portal analyzes and presents SmartJacket data in a concise format. Log in for a quick snapshot of your Steam System's health, or drill down to individual readings from specific components.

Informative Monthly Reports

Summary Reports are emailed monthly that highlight total energy savings, component health, as well as month-over-month and year-over-year comparisons.

Non-Invasive Installation

Installs as easily as any of our insulation blankets. No wiring or IT involvement is required thanks to battery powered sensors and an included cellular connection.

REALLY Pays for Itself

This valuable information comes at effectively no cost, thanks to savings generated from insulation and failure prevention that together provide for an average Return on Investment (ROI) of 1-2 years.

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Advanced Specialty Contractors 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 MEP penetrations, fire resistive joints and fire rated wrap and enclosure systems.

Penetration Firestop Systems

Advanced Specialty Contractors 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 install the right system for head of wall and foot of wall openings and the perimeter gap (slab edge) between concrete decks 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, as well as mullion cover systems.

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that's up to your most demanding challenge.*

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

Acoustic Insulation Panels

For noise control, Advanced Specialty Contractors 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

Advanced Specialty Contractors offers varying types of flexible, sound-absorbing, and 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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Advanced Specialty Contractors has vast experience in the successful completion of asbestos and lead abatement, mold remediation and hazardous chemical clean-up projects. We understand all the risks involved in 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

Advanced Specialty Contractors is a fully licensed asbestos abatement contractor. Not only do we have comprehensive knowledge, we far exceed all rules and regulations enforced at the local, state, 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 negative pressure enclosures of any size. In addition, our labor force keeps up-to-date with licensing, physicals and training to ensure rapid response 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 EPA & OSHA requirements. We specialize in many forms of lead abatement: Vacuum Blasting, Mechanical Abrasion, Chemical Strip, Encapsulation, and Removal/Replacement.

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Our team is recognized as being safe, knowledgeable, and experts at installing a wide array of scaffold systems. From design and full project management to expert erection/dismantling and reliable equipment, you can count on us to provide comprehensive solutions to fit your access needs.

Scaffolding Types & Other Services:

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

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Whether you're looking for applied fireproofing or the application or removal of industrial coatings and linings, Advanced Specialty Contractors have an extremely experienced workforce in place to finish the job to your exacting standards.

Intumescent & Cementitious Fireproofing

Fire protection materials are designed to safeguard the structural integrity of steel under intense fire conditions and to maintain safe temperatures for a specific period of time.

Abrasive Blasting

Our expert technicians have the ability and equipment to perform either wet or dry abrasive blasting in one of our state-of-the-art, environmentally controlled industrial booths or at your project site.

Industrial Coatings & Linings

We provide the application of internal linings and external coatings for tanks, pipe, structural steel, exchangers, vessels, and other equipment of any size. These coatings and linings provide critical protection against corrosive chemicals and products used in the petrochemical industry and other industrial processes.

Painting

Whether you're in the manufacturing, power generation or petrochemical markets, we have the requisite experience specializing in challenging painting projects. On-site and in our shops, we bring skill and dedication to each job . . . large or small.

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Locations



Phoenix, AZ
Los Angeles, CA
Denver, CO



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



Omaha, NE
Kansas City, MO



Edmonton, AB



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



Sayreville, NJ



Portland, OR
Salt Lake City, UT
Seattle, WA



Philadelphia, PA
Pittsburgh, PA



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



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Irex Contracting Group:

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

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