

## Applications

- New Construction
- Remodeling
- Garage and Attic Installation
- Consulting
- Building Diagnostics
- Soundproofing
- Thermal Acoustic Insulation
- Sealing of Building Envelope
- Moisture and Air Quality/Durability
- Fireproofing

## Homeowners Beware!

**All estimates are not the same.**

HEC's AccuAudit Technology ensures that the job is done right with superior results.

See our website, [www.hectechologies.com](http://www.hectechologies.com) for *Tips on How to Pick a Contractor*.

For a consultation of your home's problems, call HEC Technologies today! **815.723.1700**

## Testimonials

"Rick Ariagno's building science background and problem solving capabilities make him stand out as one of the most knowledgeable insulation contractors in the country."

*Applegate Cellulose Insulation*

"The successful application of ICC's finishes depends on the skill and attention to detail by the installing contractor. Since 1988, the Home Energy team has consistently demonstrated their ability to meet and exceed the expectations of our clients on every detail."

*Richard E. Walborn  
ICC Technical Representative*

**"I would only recommend effective applications to your home that I would do to mine."**



### Rick Ariagno

President of HEC Technologies, Rick Ariagno has spent the last 30 years of his life networking with building, engineering, and construction industry experts to become a recognized authority of Building Science, Building

Envelope Design and Sound Attenuation.

Rick studied Engineering and Physics as an undergraduate and completed his M.S. Degree in Industrial Technology.

### Credentials

#### Certifications/Personal Training

- Energy Auditor through the University of Massachusetts
  - House Tightening, Building Science and Blower Door Testing through the National Thermal Performance Institute
  - Application of spray applied thermal/acoustical insulation and thermal acoustical finishes through ThermoCon International
  - Application of K-13 thermal/acoustical finishes through International Cellulose Corporation
  - Retrofit insulation techniques, application of spray applied cellulose insulation and air sealing for new home construction through Applegate Insulation
  - Reverberant noise, sound absorption and sound transmission through International Cellulose
- #### Training Seminars
- Guest speaker and trainer for a construction technology course taught by Bob O'Brian at Moraine Valley Community College and Joliet Junior College for the last 20 years.
  - Has performed training seminars for Applegate Insulation, ThermoCon Intl., and International Cellulose Corporation.

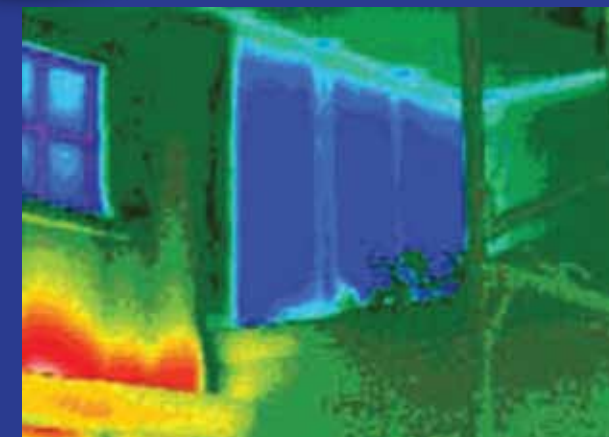


A Division of  
**Home Energy Control, Inc.**  
Founded in 1982

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# RESIDENTIAL

Environments Based on Building Science



**INSULATION IS AN AFFORDABLE ONE-TIME INVESTMENT WITH A LIFETIME PAYBACK REWARD**

- Lowered Utility Costs
- More Comfortable and Quieter Home
- Higher Resale Value
- Extended Life of HVAC Equipment
- Prevention of Building Deterioration
- A Healthy Environment



# AccuAudit™ Building Environments to Live In



HEC Technologies evolved from its parent company Home Energy Control, Inc., founded in 1982. HEC Technologies is a nationally recognized authority on insulation, acoustics and building envelope design.

Our competitive advantage includes:

- Industry Knowledge
- Professional Training
- Industry Updates
- Diagnostic Equipment
- 28 Years of Experience
- Highly-Trained Technicians



We work directly with homeowners, building managers, architects, acoustical consultants, building inspectors, product manufacturers, and general contractors providing:

- Spray-Applied Cellulose for Walls
- Blown Cellulose for Attics
- Spray-Applied Polyurethane Foam
- Air Sealing
- K-13 Thermal Acoustical Finishes
- Sound Transmission Control
- Foam Roofs
- Fireproofing
- Pre-Construction Consulting



## HOW IMPORTANT IS YOUR HEATING BILL TO YOU?

HEC Technologies can cut your heating and cooling bills by as much as **40%**.

### Our Process

HEC Technologies is the expert in understanding Building Science Principles:

*The study of heat transfer, moisture migration and pressure differentials as they relate to building envelope design.*

Understanding this concept and treating the building as a whole system allows us to analyze the sub systems and how they interact to determine the root cause of the problem and implement the appropriate treatment.

HEC Technologies uses the most proven diagnostic tools in the industry to identify and correct your building's problems. The proper combination of applications for each issue is the key to permanently solving building problems whether in thermal, acoustic, new construction or retrofit projects.

### AccuAudit Whole Building Approach

Most insulation contractors respond to customers and complaints about comfort, efficiency etc. by installing more insulation. They often miss the real cause of the problem. As a result the homeowner is left with a unresolved issue, less than acceptable improvement in comfort and continuing deterioration of building components. In some cases doing the wrong thing increases the problem or causes other issues of concern. HEC Technologies starts their analysis by asking questions to determine the root cause of the complaint and uses building science and building methodology to formulate lasting solutions.

With **AccuAudit**, we have the most thorough process on the market. We inspect each component of the house and recommend the proper procedures to make your home a more comfortable environment. HEC's Whole Building Approach combines a thorough visual inspection with non-destructive Infrared Imaging Technology. Infrared Imaging is faster, non-invasive, accurate, and technologically superior in pin pointing areas of the building envelope that have been compromised.

#### Inspection Equipment and Procedures:

- Blower Door
- Moisture Meter
- Mechanical System Review
- On-Site Building Dynamics Analysis
- Review of Building Deterioration
- Thermo Camera Inspection (Infrared Camera Scans)

### Building Science Diagnostics

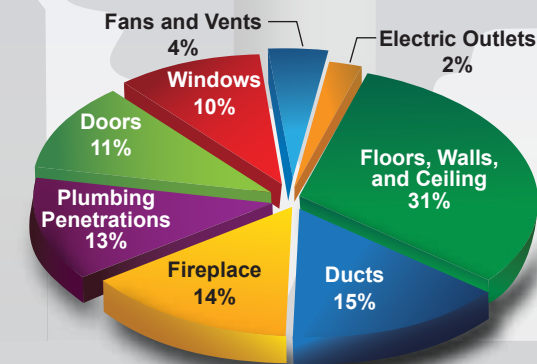
We use Infrared Thermography and Infrared Camera Technology to diagnose a building's envelope integrity including insulation, air leakage, moisture (mold), electrical, heating and cooling problems, and construction defects. Thermal Imaging is the most cost effective solution to identifying problems and building failures.



### Eliminating Problems

HEC Technologies has developed solutions that eliminate home insulation issues and are cost effective to combat:

- High Energy Costs
- Building Design Flaws
- Mold and Moisture
- Sound Control
- Frozen Pipes
- Cold Rooms Over Garages
- Poor Comfort and Drafts
- Uneven Heating and Cooling



Typical Air Leaks

Call **815.723.1700** Today for a **FREE** Consultation. Visit [www.hectechologies.com](http://www.hectechologies.com)