

# PRODUCT

CATALOG



CERTIFIED  
PROFESSIONAL



VETERAN  
OWNED COMPANY



**Greenlink**<sup>™</sup>  
ENERGY SOLUTIONS

# SYSTEMS WORK TOGETHER.

At Greenlink Energy Solutions, we provide much more than insulation. Each structure is unique, and we always try to maximize comfort and efficiency relative to dollars spent. To achieve this, we must utilize Building Science and take a holistic view. Our 360° approach examines the critical relationships between your systems and develops a customized proposal to maximize your Health, Comfort and Efficiency. That's our business.

Greenlink has been providing the best return on investment for Rockford area home & business owners since 2011. Locally owned and operated by Army veteran Austin Carr, Austins' third generation passion for building performance shows. This catalog is designed to showcase many of the services offered by Greenlink Energy Solutions.

# IT ALL STARTS WITH ANALYSIS.

By following Building Performance Institute guidelines and partnering with multiple utility programs, we are able to optimize rebates, incentives, and performance. It is our testing that identifies areas for improvement and the results from services installed.

- ✓ Visual Inspection
- ✓ Blower door testing
- ✓ Duct leakage testing
- ✓ Infrared Inspection
- ✓ Combustion Analysis
- ✓ Draft testing

## The ABCs of Building Performance

Our analysis focuses on 3 major areas:



### ATTICS

Air sealing the attic floor is among the most important steps in improving a home's performance. In all homes we find there is a high level of convective communication between attics and living space below. This allows for dirty air and inefficiency. Greenlink identifies and seals these areas in order to allow insulation to perform at its optimum rating.



### BASEMENTS

Air sealing and insulating the rim joist of a home is one of the most beneficial services provided by Greenlink Energy Solutions. The framing located in your basement where the house sits on the foundation wall allows for many gaps and infiltration points. For decades, builders and code officials just didn't pay much attention to this connection. But as the world becomes more energy focused, all modern efforts include this once neglected area of building performance. Additionally, mice and bugs tend to exploit rim joists to infiltrate our homes. Closed cell spray foam insulation applied at a 2-3" depth will eliminate these easy access points and allow for much improved comfort and efficiency.



### CONDITIONED SPACES

Targeted air sealing is a process utilizing a blower door, infrared camera, and smoke sticks to identify and seal air leakage within the conditioned portion of a building. We generally target doors, windows, outlets, and mechanical chases along with any other hidden points of air infiltration.

# INSULATION REMOVAL



We work in attics every day. One of the first questions we consider is; should we leave or remove the existing insulation? There are several reasons why removing old and damaged insulation may be of value. When called for, we use a commercial, gas powered, insulation removal vacuum to ensure a clean and efficient remediation process. Once we have a clean slate to work with, all issues can be addressed with maximum results. We then have a great opportunity to get to the root of any problem and install a modern assembly with energy efficiency and indoor air quality in mind.

## REASONS TO REMOVE OLD INSULATION

- + Allow for a higher quality final product when upgrading attics
- + Animal damage
- + Smoke, fire, and water damage
- + Mold and moisture issues



# CELLULOSE INSULATION



Blown in cellulose insulation is a great, cost effective way to increase energy efficiency. When paired with **Air Sealing** and proper **Ventilation**, optimum performance is achieved.

## REASONS TO REMOVE OLD CELLULOSE INSULATION

- + Excellent thermal performance
- + Mold and pest control
- + Fire retardation
- + Affordable price point

# DENSE PACK INSULATION



Dense packed cellulose insulation is a process commonly used when retrofitting an existing structure. By drilling 2" holes, we are able to access and insulate cavities that may be underperforming.

## REASONS TO USE DENSE PACK INSULATION

- + Increase thermal value of assembly.
- + Sound reduction
- + Air infiltration reduction
- + Cost effective alternative to opening existing cavities

# SPRAY FOAM INSULATION



Polyurethane spray foam is the best insulation product on the market. It combines air movement control and thermal resistance. Superior adhesion, structural enhancement, thermal properties, and built in air sealing make it an excellent choice. Spray foam generally has a higher initial cost, but the return on investment will ultimately pay for itself in savings, comfort, and efficiency improvements.

## REASONS TO USE SPRAY FOAM INSULATION

- + Superior adhesion
- + Highest R-Value per inch
- + Complete air barrier
- + Class 1 vapor barrier
- + Structural enhancement



# FIBERGLASS BATT INSULATION



Fiberglass batt insulation has been a staple in the construction industry for decades. It is among the lowest cost insulation options. While not our first choice when used alone, with Greenlink's building science approach we can maximize its performance to accommodate most budgets.

## REASONS TO USE FIBERGLASS BATT INSULATION

- + Inexpensive and effective
- + Non-flammable
- + Some fiberglass insulation uses recycled glass, reducing its ecological footprint
- + Fiberglass insulation is available in medium and high-density options (roughly R-11 and R-15 for a standard 2-by-4 wall)
- + Pest resistant

# AIR SEALING



Cellulose and fiberglass insulation do not manage air movement on their own. While they have excellent insulating properties, air moves through them, limiting performance. That's where **Air Sealing** comes in. By utilizing products that stop air movement, the performance of traditional insulation is maximized. Due to the effectiveness of this step, all performance rebates provided by your utility company require **Air Sealing**.

## REASONS TO AIR SEAL YOUR ATTIC

- + Reduce air movement
- + Increase insulation performance
- + Limits condensation
- + Required for most rebates
- + Added pest control

# VENTILATION



## EXHAUST VENTILATION

Bath fan and kitchen range vents are commonly installed in a manner that does not allow for proper performance. In all homes, moisture must be managed and it is important that moist air be exhausted outside. Greenlink regularly installs new, quality bath fans and range vents regularly. We also ensure that the duct work and termination points function properly in order to allow air to be exhausted to the exterior of your home.

## ATTIC VENTILATION

Attic ventilation is comprised of two components.

### INTAKE

Intake ventilation is generally located at the lowest portion of your attic (soffit vents). It is critical that air flow be established and maintained at this point. Without proper air flow at the soffits, our homes are very susceptible to moisture and mold issues. We get to these hard to reach areas and ensure that optimum air flow is established.

### EXHAUST

The exhaust side of attic ventilation is generally located at the highest portion of your attic. Typically a ridge vent or static roof vent is used to allow the moist air located in our attics to be driven to the outside. It is important that intake and exhaust ventilation be balanced and appropriately installed to allow for proper function.



# SOLAR



Greenlink Energy Solutions is proud to provide photovoltaic systems to our Northern Illinois and Southern Wisconsin customers. Our approach to **Solar** sets us apart from the competition. We believe that it is important to look at the entire structure and its energy usage prior to installing solar.

## REASONS TO SWITCH TO SOLAR

- + Fantastic federal and Illinois rebates right now. We handle that for you.
- + As an energy efficiency contractor for almost 10 years, we optimize performance.
- + Greenlink is local and stands behind its work.

# ATTIC RESTORATION



Greenlink is an area leader when it comes to all things efficiency. Beyond that, we also have a strong background in attic restorations. We routinely provide mold and animal damage remediation in attic spaces. Our approach protects your family from potential pollutants and indoor air quality degradation. We are able to clean, sanitize, and re-assemble the attic at a level beyond what a standard restoration company is able to provide.

## REASONS TO RESTORE YOUR ATTIC

- + Attic mold
- + Animal damage
- + Attic performance improvement

# WINDOWS & DOORS



Our **Building Science** approach allows us to diagnose, repair, and install windows and doors. Typically **Windows** and **Doors** are not a starting point when it comes to improving a home's comfort and efficiency. Many times we will find that a customer has had new windows installed by other contractors and still have leakage around these areas. Without the use of a blower door and infrared camera, air tightness is impossible to verify. If interested in retrofitting or replacing windows and doors, give us a call.

## REASONS TO RETROFIT OR REPLACE

- + Repair or replace
- + Verify tightness
- + High level installation

# HEALTH, COMFORT, & EFFICIENCY UNDER ONE ROOF.



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