

BUILDING MODELING

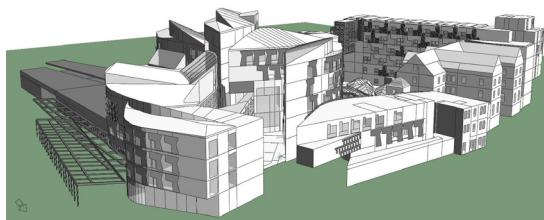
Better Buildings for a Better World

Entegrity is a sustainability and energy services company specializing in the implementation of energy conservation and renewable energy projects. We are uniquely qualified to deliver innovative and sustainable solutions to optimize building performance.

A building energy model is a simulation based on building design, envelope, orientation, weather, schedules, controls, and energy-using systems to project comparative energy consumption and costs. Using building modeling, Entegrity can prioritize energy efficiency measures by first cost, rate of return, and environmental impact. Our team of Building Modelers utilize the most advanced modeling software including IES Virtual Environment, Trane Trace, and Energy Plus.

Building modeling provides the most value early in the design process, when design decisions such as orientation, floor plan, and HVAC systems have yet to be determined. Analysis can include:

- Energy Conservation Measures
- Net Zero Energy
- Sustainability Rating Systems
- Load Checks
- Shading/Orientation
- Daylighting
- Access to Views
- Hygrothermal Movement
- Life-cycle Cost
- Utility Incentive Potential
- Code Compliance
- Measurement and Verification



QUICK FACTS

42

We've completed projects in 42 states and the Cayman Islands.

100

We have 100 employees in locations throughout the U.S.

8

We're headquartered in Little Rock, AR and have eight offices located across the country.

ENERGY ENGINEERING

MODELING COSTS

Building modeling cost is based on the amount of time necessary to produce the simulation results. Our team develops a range of scenarios, runs simulations to determine how they will perform, and prepares recommendations for improvement. All these steps take time and effort. Accordingly, more unique space types, ventilation/HVAC zones, number of desired iterations, and amount of desired feedback will all affect the modeling time and cost.

MODELING EXPERIENCE

Below is data compiled from our over 10 years of energy modeling experience.

- 80+ buildings modeled, 10+ million ft²
- Of these facilities, we have documented over \$4.7 million in annual energy savings (compared to the ASHRAE 90.1 baseline).
 - Additional savings are realized through first cost reductions, load reductions, solar installation, or maintenance savings.
- Average payback (fee/savings) is 1.6 years.
 - The larger the project is, the faster it pays back.
 - If we filter out buildings less than 25k ft², the average payback is less than 6 months.



COMPANY INFORMATION

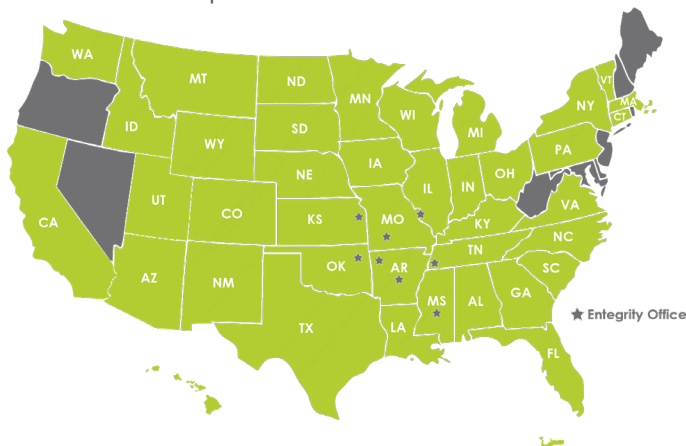
ABOUT US

Entegrity is an independent building consulting firm specializing in sustainability, commissioning, energy services, solar and building testing.

Established in 2007 as a response to the growing demand for independent building commissioning services and sustainable building practices, Entegrity is a leader in sustainable design. We provide innovative solutions to develop and maintain high-performance, energy-efficient facilities that reduce environmental impact and realize significant upfront and lifecycle cost savings. Because we don't provide architectural or mechanical design services or represent any products or manufacturers, we're uniquely positioned to represent our clients in an independent and unbiased manner.

PARTNERSHIPS & AFFILIATIONS

We encourage our team to be well-versed and actively engaged in our industry. We're a proud member of the U.S. Green Building Council; American Society of Heating, Refrigeration, and Air Conditioning Engineers; Association of Energy Engineers; AABC Commissioning Group; Air Barrier Association of America; American Institute of Architects; Building Owners and Managers Association International; and we're an ENERGY STAR® partner.



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