



## Evaluating building systems' performance

At Hanson, we understand the importance of energy-efficient design and system operation for your building. We can assist you whether your motivation comes from green initiatives, energy conservation, indoor environment improvements, or operating cost reduction.

Our team of engineers, architects, planners and allied professionals can help you reach your goals through a variety of energy engineering services, from energy audits, energy modeling, and renewable energy system design to life cycle cost analysis, building systems commissioning, and measurement and verification.

Let us leverage our experience for your next project.

Hanson provides energy auditing, consulting and engineering services across the U.S., working with public and private entities. Our team's experience emphasizes solutions for existing buildings' operations and maintenance, a rapidly growing sector in the industry requiring specialized solutions.

As an additional resource, Hanson has staff accredited by programs including the Leadership in Energy and Environmental Design (LEED® AP), Certified Energy Manager (CEM), Certified Commissioning Authority (CxA), Qualified Commissioning Process Provider (QCxP), and many others.

Our methodology and approaches are based on industry-accepted protocols established by the U.S. Green Building Council (USGBC), American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Energy Star, AABC Commissioning Group (ACG), and other nationally recognized organizations to leverage best practices and applications for your project.

## Working to create solutions for you

Hanson offers a variety of energy engineering services, including:

- energy audits, studies and analyses
- building systems commissioning and retro-commissioning
- collaboration with energy services companies (ESCO) for performance contracting
- energy modeling and design
- envelope – thermal insulation analysis
- HVAC system design
- indoor air quality analysis/upgrades
- life cycle cost analysis
- lighting systems design
- measurement and verification
- renewable energy system implementation
- thermal storage system design

## Highlights of our experience

Our energy engineering project experience includes:

- Bethesda Memorial Hospital – energy audit, HVAC load capacity evaluation, and thermal storage system design
- Pensacola Naval Air Station – field investigation, energy audits analysis, and energy conservation measures identification
- Florida Department of Management Services – HVAC systems design upgrades and corrective actions, and building systems commissioning
- Broward College – HVAC system commissioning (including building management systems, environmental control systems, chilled water, refrigeration, heat rejection and distribution, controls and piping)
- St. Mary's Hospital – plans, studies and evaluations for central energy plant, chilled water distribution, steam distribution and thermal storage

