



AIRPORT COMMISSIONING & ENERGY MANAGEMENT

Keeping your airport operating efficiently

Do you know if your systems are performing according to their designs? Did you know that industry averages for commissioning (for new buildings) and retro-commissioning (for existing buildings) have rendered 1.5 to 20 times the commissioning costs in project and energy savings?

Commissioning is a quality-oriented process that documents the performance and energy efficiency of a building's systems against defined objectives and criteria. It also is a component for Leadership in Energy and Environmental Design (LEED®) certification, focusing on saving energy, conserving water, reducing carbon dioxide emissions and improving indoor environmental quality. Whether it's a new or existing building, our experienced team of mechanical and electrical engineers can help you assess the performance of your building's systems. Proactive energy management can result in substantial O&M cost savings.

CREATING SOLUTIONS FOR YOUR AVIATION NEEDS

By applying our technical knowledge and creative abilities to every project, we create dynamic yet functional designs for airports of all sizes.

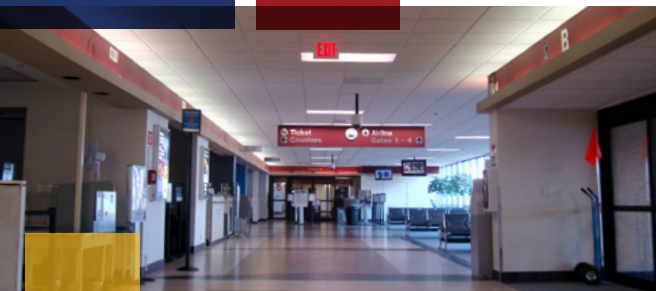


WORKING TO CREATE SOLUTIONS FOR YOU

Our staff can help develop an energy roadmap — a strategic energy plan that can help you forecast, prioritize and budget your buildings, systems and equipment. The process also helps establish policies and procedures for your facilities.

Hanson's airport building commissioning and energy management services include:

- development of owner's project requirements
- LEED® certification assistance
- building envelope, finishes and furnishings evaluations
- commissioning plan development
- construction observation for equipment installation and startup
- energy audits and modeling
- functional performance testing
- heating, ventilating and air-conditioning systems (HVAC) evaluations
- initial studies
- measurement and verification system integration
- oversight review of operation and maintenance (O&M) training and documentation
- warranty review



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ACCREDITED STAFF THAT FOLLOWS STANDARDS

Hanson's staff is active in numerous leading organizations for the commissioning industry, because education, experience and ongoing training matter. We have staff accredited by programs including Certified Commissioning Authority (CxA), LEED AP® (accredited professional), Certified Energy Manager (CEM) and many others.

Our team uses methodologies and approaches that are based on protocols established by ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers), Association of Energy Engineers, AABC Commissioning Group (ACG), the Building Commissioning Association (BCxA) and other nationally recognized organizations.

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