

# MECHANICAL ENGINEERING



## Finding solutions in mechanical engineering

Hanson's mechanical engineers have hands-on experience in the industry, providing consulting, planning, design and system commissioning services for a variety of facilities throughout the nation and around the world.

Whether you need help with heating, ventilation and air conditioning; plumbing; fire protection; or specialized cooling systems, our team has the capabilities to help you achieve your goals. Hanson can also help you address your energy conservation needs through a variety of sustainable design solutions.





## Working to create solutions for you

Energy conservation continues to be an important component in many mechanical engineering projects. To address these needs, Hanson has staff accredited by programs including Leadership in Energy and Environmental Design (LEED® AP), Qualified Commissioning Process Provider (QCxP) and many others.

Our methodology and approaches are based on protocols established by the ASHRAE, the U.S. Green Building Council, Energy Star, AABC Commissioning Group and other nationally recognized organizations to inspire best practices and applications for your project.

### Our mechanical engineering, plumbing and fire protection services include:

- air-conditioning systems
- building automation systems
- central energy plants
- compressed air systems
- dedicated outdoor air systems
- domestic water systems
- energy modeling
- energy rebates
- facility condition assessments
- fuel piping and storage systems
- geothermal technology
- heating systems
- hydraulic calculations
- life-cycle cost analysis
- medical gas systems
- quality control peer reviews
- sanitary water systems
- smoke control
- sprinkler systems
- variable refrigerant flow technology

## Highlights of our experience

Our mechanical engineering project experience includes:

- auditoriums and performing arts centers
- central energy plants (chilled and heating hot water systems)
- criminal justice, corrections and courthouse facilities
- Department of Defense facilities
- digital television and radio broadcast facilities
- higher education office and classroom buildings
- hospital surgery and treatment rooms
- manufacturing facilities
- research and educational laboratories
- student and military residence facilities
- technology and data centers
- vehicle maintenance facilities



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