

ELECTRICAL ENGINEERING



Finding solutions in electrical engineering

Hanson's electrical engineers can help you reach your goals, providing consulting, planning, design and commissioning services for your electrical needs. Our electrical engineers work on a wide variety of projects, including site utilities as well as lighting, building power and safety/security systems.

Working in partnership with design personnel, our team has the capabilities and experience to address the unique facets of your project.





Working to create solutions for you

Our electrical services include:

- corrosion analysis
- power distribution design
 - » building power
 - » emergency power
 - » standby/emergency generator systems
 - » uninterruptible power systems
 - » site distribution
 - » grounding systems
 - » utility coordination
 - » control systems
- lighting system design
 - » interior lighting
 - » exterior lighting
 - » site & facility lighting
 - » security lighting
 - » emergency lighting
- safety/security system design
 - » surge/lightning protection systems
 - » fire detection & alarm systems
- airport electrical design
 - » electrical vaults
 - » airfield, apron & roadway lighting
 - » Instrument Landing Systems (ILS)
 - » Navigational Aids (NAVAIDS) Systems
 - » Automated Weather Observing Systems (AWOS)
- Electro Magnetic Interference (EMI) shielding system design
- communications systems design
- load studies
- planning
- property condition & due diligence surveys
- quality control
- radio frequency isolation
- surge & transient voltage protection
- traffic signalization
- construction observation

Highlights of our experience

We provide electrical engineering services for the following types of facilities::

- commercial office buildings
- criminal justice, corrections and courthouse facilities
- Department of Defense facilities
- diesel generation power plants
- digital television and radio broadcast facilities
- fuel oil storage and dispensing facilities
- higher education office and classroom buildings
- manufacturing facilities
- research and educational laboratories
- student and military residence facilities
- technology and data centers
- telecommunications facilities and data switching centers
- vehicle maintenance facilities

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