

# LEED® Engineering and Planning

GAI Consultants knows that sustainability is much more than just “green” issues. Because it is such a broad topic—encompassing environmental, energy, financial, and even human resources issues—our LEED® (Leadership in Energy and Environmental Design) accredited professionals help clients define the essential elements of what they need to prosper for the long term through LEED® design concepts.

**Our commitment to sustainability means we embed cost-effective and cost-saving elements into every design.**

With GAI, clients tap the resources of a firm that offers a full range of engineering, environmental, planning, and economic consulting services. And our full complement of LEED®-related services includes site selection, planning, environmental

permitting, innovative design, construction waste management, and energy audits.

Buildings account for approximately 40 percent of U.S. energy consumption and roughly half of all facilities will require renovation by 2040. Recognized as the standard for measuring building sustainability, GAI understands that LEED® certification is the best way for owners to save energy costs and show their commitment to sustainability.

GAI’s development professionals have practical solutions for LEED® sites that meet client’s LEED® Site/Civil requirements. Our site layouts maximize development potential with cost-effective features, including rain gardens and vegetated swales designed to collect and convey stormwater runoff. Our practical solutions for stormwater management address the topographic and natural resource challenges of each site, and our LEED® services



## Service Profile



benefit clients' development projects.

GAI's commitment to the LEED® principles of environmental stewardship is evident in our eco-friendly office building in Orlando, Florida. The "GAI Building" was designed to LEED® Silver standards and opened in March 2011.

### LEED® Engineering and Planning Services

- Building envelope assessment
- Life-cycle cost assessment
- Community development density and connectivity studies
- Alternative transportation plans
- Regional material identification and recycling
- Green roof design
- Native land and species preservation
- Energy-efficient and water-efficient landscaping
- Innovative stormwater and wastewater design
- Construction waste management and pollution prevention
- Recycled material use in construction
- Commissioning for new and existing facilities

### GAI Services Summary

- Airport Planning and Design
- Bridge and Structure Inspection and Design
- Coal Combustion Residuals Management
- Construction Inspection and Management
- Cultural Resources Management
- Economic Analyses and Strategies
- Electric Transmission Design and Siting
- Environmental Engineering
- Environmental Studies, Species Studies, Permitting
- Gas Pipeline Surveying and Mapping
- Geographic Information Systems (GIS)
- Geotechnical Engineering and Geology
- Impoundment and Landfill Permitting and Design
- Land Development Engineering
- Landscape Architecture and Design
- Master Planning and Urban Design
- Mechanical, Electrical, Structural Engineering
- Natural Gas FERC Certification and Permitting
- Nuclear Energy Engineering Support
- Right of Way and Appraisal Support
- Land Surveying and Mapping
- Transportation Planning and Design
- Utility Management Consulting
- Water, Stormwater, Wastewater Management

The scope of professional services that are provided by or offered out of each GAI office including, but not limited to, engineering and surveying services, is governed by the professional and business licensing requirements of each individual State or jurisdiction in which the GAI office is located and whether GAI has the requisite professional and business licenses for that State or jurisdiction. Nothing on GAI's Web Site or marketing materials is intended to be interpreted or construed as offering to perform professional licensed services where prohibited unless the licensing requirements have been met. Engineering services are not offered out of GAI's Northern Kentucky (Florence) office location. Surveying services are not offered out of GAI's Illinois location or by our New York subsidiary.

