

# KTA Group, Inc.



### Certification

In 2011, the KTA Group was awarded LEED® Gold certification for Commercial Interiors for its newly-constructed offices in Herndon, Virginia. Categories in which KTA earned points included Innovative Design Process, Indoor Environmental Quality, Energy Performance, Water Efficiency and Construction Waste Management.

### Energy Efficiency

Lighting and HVAC are two of several areas in which KTA achieves energy efficiencies at its 20,700 square foot facility.

- KTA's innovative lighting design has allowed it to reduce its power density 58% below ASHRAE Standard 90.1-2004. This design includes high efficiency direct/indirect fixtures, low-wattage high-efficiency T8 lamps, and occupancy sensors.
- KTA's HVAC system integrates temperature, lighting, and equipment controls, in conjunction with proper zoning, to achieve energy reductions. Separate zoning of each solar exposure, large occupancy areas, perimeter offices and interior spaces allows the system to independently respond to each zone.

### Indoor Environmental Quality

To improve indoor air quality, the design and construction of KTA's offices used low-emitting materials for all adhesives, sealants, paints, coatings, carpet systems, systems furniture, and new seating.

### Water

KTA saves about 46,800 gallons of potable water each year through the use of low and ultra-low flow lavatories, water closets and sink faucets – a reduction in water use of about 37% compared to standard design fixture performance requirements.

### Solid Waste

Nearly 93% of construction waste, or about 13.3 tons, was diverted from landfills during the construction of KTA's offices. KTA's multi-faceted construction waste management plan included the oversight of Recycling Coordinators who inspected containers for compliance with recycling requirements prior to removal.

[www.ktagroup.com](http://www.ktagroup.com)

### Organization Type

Engineering and Consulting Services

### Number of Fairfax County Employees

50

### Fun Facts

KTA has engineered more than 100 LEED Platinum, Gold, Silver and Certified facilities totaling more than 8 million square feet throughout the Washington DC and Northern Virginia metro areas.

KTA has been a supporting member of the U.S. Green Building Council since 2006.

KTA has practiced and maintains active registrations in 47 states and the District of Columbia.