

ESIS

The built environment has a significant impact on our natural environment. Green building design principles apply environmentally-sensitive construction practices, healthy building materials, native landscaping, and energy- and water-efficient electrical and plumbing equipment.

Green buildings, therefore, can lower operating costs, improve return on investment, and enhance occupant health and productivity.

Recent studies indicate that green buildings cost about two percent more to construct, but this amount is quickly recovered due to the associated operational savings generated.

With potentially escalating energy costs, green building is recognized as both a smart business

LEED Certification

The LEED Green Building Rating System is a nationally accepted standard for measuring the effectiveness of green strategies used in buildings.

Developed by the U.S. Green Building Council (USGBC) in 1999, LEED promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health.

They are:

- Sustainable site development
- Water savings
- Energy efficiency
- Indoor environmental quality
- Materials selection

LEED is a performance based system with four levels of certification: Certified, Silver, Gold, and Platinum. Certification is achieved by earning credits in each of the five key areas.

ESIS Green Building Consulting Services

ESIS provides consultative services to clients working toward USGBC certification. Elements of the LEED Building Accreditation process that ESIS is qualified to offer include:

- Outside Air Introduction and Exhaust Systems
- Environmental Tobacco Smoke (ETS) Control, Asbestos Removal or Encapsulation, PCB Removal
- Outdoor Air Delivery Monitoring
- Increased Ventilation
- Construction Indoor Air Quality Management Plan
- Documenting Productivity Impacts
- Indoor Chemical and Pollutant Source Control
- Controllability of Systems
- Thermal Comfort
- Daylighting and Views
- Contemporary Indoor Air Quality

Other LEED rating elements that ESIS can assist with include:

- Minimum Water Efficiency Planning
- Minimum Energy Performance Evaluations
- Source Reduction and Waste Management Plans
- Waste Stream Analysis
- Optimization of Indoor Air Quality Compliant and Alternative Materials Use
- Brownfields (Environmental Site Assessment and Soil/Groundwater Cleanup)