



## WHO WE ARE

*ICDS* is a design and construction engineering firm committed to quality professional design and engineering services as well as efficient and comprehensive construction technical and commissioning services. Four dedicated individuals founded *ICDS* in 2003, to provide a level of services above and beyond the industry standard. With our combined experience of over 50 years in the building construction field, we can ensure project success and, most importantly, client satisfaction.



## OUR COMMITMENT

**Responsive:** As a small firm, we are focused on cross-disciplinary training, which allows any principal to be responsive to the needs of our clients. Being a firm of only principals, you will get the highest quality of service with engineers having greater expertise than other firms and with individuals who have a vested interest in the success of our business.

**Creative & Adaptive:** With our decade plus of experience as individuals, we understand the complexities of modern construction needs. Some of these needs today include energy conservation and sustainable design, fast-track projects, interoperability of building/energy management systems, and indoor air quality.

**Cost Effective:** As a small firm with little overhead, we are capable of minimizing costs to our clients while maintaining the highest level of engineering standards and design detail without compromise.

## WHAT IS LEED?

Leadership in Energy and Environmental Design (LEED) is a Green Building Rating System that verifies sustainable design and construction of any building project. LEED promotes sustainability by verifying performance in areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality. LEED certification is provided through the U.S. Green Building Council and is offered for many facility configurations whether they are new construction or existing buildings.

## OUR SERVICES

*ICDS* provides the client a broad range of services with respect to the LEED process. Whether acting as the responsible design engineer or an engineering consultant to a LEED project, we can provide all the necessary calculations and design-basis documentation to ensure certification by the U.S. Green Building Council. Typical services include:

- Whole Building Energy Analysis
- Commissioning Services
- Development of measurement and verification plan
- Design CO<sub>2</sub> monitoring system to meet minimum required ventilation requirements while using the minimum amount of energy
- Design of mechanical ventilation systems with heat recovery
- Design of building energy management system and data acquisition systems
- Energy management systems and equipment integration and commissioning
- Design and analyze systems for thermal comfort strategy to meet ASHRAE Comfort Standards
- Design of Green Building technologies such as greywater systems, geo-exchange systems, cogeneration systems (fuel cells, photovoltaic, wind turbines, etc.) and many others.