ICDS

Innovative Construction & Design Solutions, LLC

SYSTEMS INTEGRATION

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 SYSTEMS INTEGRATION?

Systems integration is the application, assembly, programming, and commissioning of computer-based components from different vendors to make a complete system for a specific application. As an automation systems integrator, *ICDS* can provide facility instrumentation and control systems that are custom tailored to meet the specific needs of the end users, owners, maintenance staff, operators, etc.

OUR SERVICES

As a complement to our design and construction services (refer to our other brochures), we provide systems integration services for the following applications (including but not limited to):

- HVAC and Process Controls
- Spa / Pool Control Systems
- Lighting Controls
- SCADA / Data Acquisition Systems
- Computer Network and Server Systems
- Smart Home Automation

As part of our systems integration services, we:

- Develop detailed design and assembly drawings
- Work with the end users, owners, maintenance staff, operators, etc. to develop a system tailored to their requirements and level of expertise
- Fabricate and deliver all controls, data acquisition equipment, etc. to the site
- Utilize a local contractor to provide any installation work
- Provide systems programming, start-up, and commissioning
- Comprehensively train the end users, owners, maintenance staff, operators, etc. regarding the user-interface and the automation components.
- Commission all instrumentation and control systems (refer to our Systems Commissioning brochure)
- Provide continued maintenance and diagnostics through on-site and remote access services (via the internet and/or telephone)