

# IEI CONTROL AND AUTOMATION SYSTEM DESIGN

**These days automation is everywhere we look. Controlling these systems takes more than a PLC with some I/O capabilities. We take a holistic approach to control system design. Applying sound engineering principles we can take your control system needs and turn them into reality. Utilizing IEI Labs we can fully develop your system from concept to reality all in the lab. This approach saves time and money through reduced "field engineering" time.**



## SYSTEM DESIGN

- Full system design
- Algorithm design and test using Octave
- Simulator development as necessary

## PROGRAMMING

- All IEC-61131 languages
- C/C++

## COMMUNICATION SYSTEMS

- Ethernet, Serial, P2P Radio, Wide Area Radio, Cellular

## IEI LABS

**Using state of the art software and hardware we have the ability to simulate and test our designs.**

**We have provided many of these tools and calculators available on our website.**

**Please visit:  
[www.ieilabs.com](http://www.ieilabs.com)**

## SCADA DEVELOPMENT

- Certified Advanced VTScada Integrator
- Many Other SCADA software packages



## HARDWARE

- Allen-Bradley, Schneider, Opto, Motorola, Koyo
- Embedded (Linux, Windows)

## PANEL BUILDING

- Panel layout and assembly
- UL508a Listed
- Full drawing package



## MARKETS SERVED

- Utilities (Electric, Water, Wastewater, Gas, Generation)
- Oil Refinery and Truck Rack Terminals
- Military
- Commercial
- University and Educational

EMAIL AT:  
[info@ieilabs.com](mailto:info@ieilabs.com)

PHONE AT:  
844.IEI.LABS  
844.434.5227

FOR MORE INFORMATION  
VISIT OUR WEBSITE AT:  
[www.ieilabs.com](http://www.ieilabs.com)

