



PROCESS CONTROL

Delivering Value

Industrial manufacturing companies have always been challenged to produce more with less. In fact, the productivity of yesterday's most efficiently operated companies is not good enough for even mid-pack performance today. And the current outsourcing trend, can make clearing the productivity bar even more difficult. We understand the economic pressures our customers face. We recognize that even though we are a system integration company, our customers expect us to be more than that. They expect us to be skilled in all aspects of project execution. They know that the greatest influence over project success or failure comes from the earliest stages of conceptual design, long before the actual programming effort ever begins. We, therefore, strive to be a company of engineers and designers first and system integrators second.

Our Services

Our staff of professional engineers and designers understands every aspect of a typical process controls project. We have experience in a multitude of control applications including batch, continuous, SCADA and advanced process controls. Our services cover everything from instrumentation specification, procurement and installation to control system configuration, testing, installation, commissioning and startup.

The Design Lifecycle

All of our projects are developed from concept to completion using our rigorous design lifecycle methods. Through this consistent approach, we are able to offer our customers high value, cost-effective project solutions. And you'll know what you're buying long before acceptance testing because our design lifecycle incorporates customer approval and buy-in every step of the way. So whether your project has a value of a few thousand dollars or many millions of dollars; whether it's a new installation or an upgrade of an existing installation, our work processes will improve your results.



Lifecycle Work Process

Our lifecycle approach includes the following steps:

- Requirements Specification
- Project Planning
- Functional Specification
- Architectural Specification
- Module Specification
- Module Software Coding
- Module Software Testing
- System Specification
- Factory Acceptance Testing
- Integration Testing
- Client Acceptance Testing
- Site Acceptance Testing
- Field Integration & Commissioning
- Ongoing Post-Project Support

Services

We offer many control system services such as:

PROJECT ENGINEERING SERVICES

- Project Management
- Project Feasibility
- Project Scope Definition
- Regulatory Compliance
- Commissioning Planning
- O & M Manuals & Training

CONTROL SYSTEMS ENGINEERING

- Distributed Control Systems
- Programmable Logic Controllers
- Human-Machine Interface Systems
- Control Systems Integration
- Communication Networks
- Electrical & Instrumentation Design
- Control Panel Design
- Fieldbus Design
- Advanced Process Control
- Modeling & Optimization
- Online Documentation & Help
- System Simulation and Validation
- Post Project Support

APPLIED ENGINEERING SOLUTIONS, INC.

Phone 864.676.0600 Fax 864.676.0640

PO Box 26566 Greenville, SC 29616

www.aesolns.com