



Controls and Instrumentation

Whether you're in need of a total system replacement or phased migration, we tailor our delivery approach to your needs and objectives.



MODULAR & SCALABLE

Modular, scalable control system design is the key to efficient automation and controlling total lifecycle cost.

For more than 45 years, our team has provided comprehensive process controls and instrumentation engineering services for our clients, from conceptual design through commissioning, start-up, training, and production support. Our controls professionals have a reputation for quality and commitment, and a history of successfully delivering process automation solutions that improve our clients' bottom line.

As part of our Value Promise, we focus on savings opportunities that align with your project requirements, goals, and objectives. Your priorities are our priorities: faster time to market, return on investment, process improvements, and better process efficiencies.

Our Promise

For decades, we've found ways to deliver greater value to clients. You can count on us to deliver high quality projects, on schedule, with fewer problems, and for lower total cost to save you time, trouble, and money. Through this Value Promise, SSOE has returned 105% of our fee to clients in the form of project savings over the last 5 years.

We have a deep knowledge base of many processes and control systems, and we take ownership finding the best control system solution to meet our clients' needs. We offer broad market strengths with experience in many industries including chemical, petroleum, energy, glass, manufacturing, food, consumer products, automotive, water treatment, and wastewater treatment.



EXPERTISE

Assembly / Production lines
Clean-in-place systems
Complete turnkey systems
Conceptual and detail design
Construction / Bid package development
Continuous processing and batching systems
Control panel design and build
Control system design and integration
Control system retrofits
Control system software development
Equipment procurement and expediting
Field / Installation support
Filling and packaging
Hazardous area design
Machine control
Network design and integration
Operator / Maintenance training
Process instrumentation
Project management
Project scope and cost estimates
Quality and efficiency improvements
Start-up and commissioning



CAPABILITIES

Our controls and instrumentation team is comprised of proficient and qualified professionals with controls engineering expertise that ranges from conceptual design through commissioning, start-up, production support, and training. We intentionally focus on designing process automation solutions that exceed client expectations, consistently delivering our goal project after project.



PROJECT EXECUTION

Our project execution approach incorporates SSOE best practices, which are then specifically tailored for our clients. Our knowledge is driven by sound project delivery, rich experience, and trusted methodologies, with an in-house continuous improvement program in place to challenge the status quo.

- Through our work on thousands of industrial projects, we have developed highly specialized knowledge of how to increase quality and extract the hidden productivity from existing processes to reduce cost per unit.
- We have the tools and capabilities required to evaluate, design, install, control, and build all aspects of your control system. This gives you the advantages of single source responsibility and fully integrated services.
- Our experienced project managers understand the challenges inherent in controls and instrumentation projects and are committed to the goal of minimizing waste and maximizing value. They will work diligently to identify and isolate deficiencies, while emphasizing quality and controlling costs.
- Collaboration is key. Our integrated project delivery methods result in higher quality results and significant schedule compression, saving our clients time, trouble, and money.