

**OUR AUTOMATION
PROFESSIONALS ARE
PREPARED TO MEET YOUR
EVERY NEED**

Signature Automation is a licensed professional engineering services firm. We also hold certifications as a Minority Business Enterprise, Disadvantaged Business Enterprise, Small Business Enterprise and Emerging Small Business Enterprise with several certification agencies.

We provide control system planning, design, programming, configuration, and commissioning services. We excel in providing high quality control system solutions for clients across the United States.

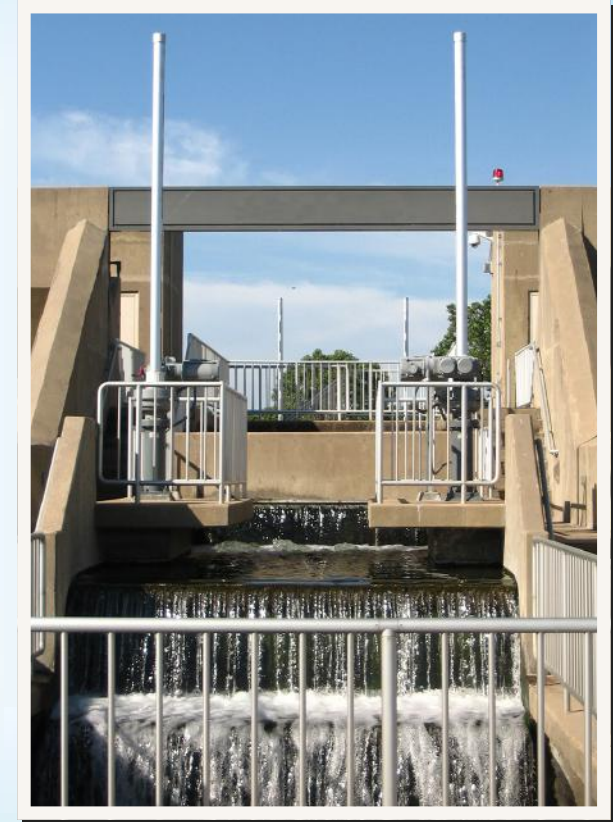
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SIGNATURE AUTOMATION SERVICES

- ◆ Control System Assessment and Planning
- ◆ Electrical System Design
- ◆ Instrumentation & Controls Design
- ◆ Control System Programming
- ◆ Operational Reports Development
- ◆ Alarm Management
- ◆ Cyber Security Assessment and Planning
- ◆ Integration with Maintenance Management Systems
- ◆ System Testing and Commissioning
- ◆ On-Call Support Services
- ◆ Customized Training
- ◆ Detailed Technical Documentation
- ◆ Video Based Tutorials

Signature
Automation



*Providing automation solutions today
for a better tomorrow*

THE SIGNATURE AUTOMATION DIFFERENCE

At Signature Automation, we take great pride in helping our clients maximize the investments they have in their control systems by providing well conceived, technical solutions. While this approach may seem simplistic, we excel where many others do not. The keys to our success are described within the following sections and are embedded in our corporate objective:

Signature Automation will strive to exceed expectations by providing a higher quality product. We will accomplish this by excelling in: process control, operator interface, historical reporting, commissioning, training, documentation, and project management.



ELECTRICAL AND I&C DESIGN

Our engineering design team is experienced in performing front-end engineering, design-bid-build and design-build projects. Our primary focus is in the water sector, but our staff is experienced in other industries as well having performed services for industrial facilities, oil and gas-midstream and petrochemical plants. Our offerings include a full-spectrum of services inclusive of master planning, studies, assessments, Greenfield design, Brownfield design, value engineering reviews, and construction oversight.

USER FRIENDLY GRAPHICS

We recognize that operational staff have a thorough understanding of how best to manage their own facility. Thus, to leverage their knowledge, we gain input from them at the onset of our projects. This enhances their knowledge of the control system from day one and provides the basis for user friendly graphics. Moreover, this approach allows for the operators, as the end users, to take an active role in defining the foundation of the graphical infrastructure and to gain ownership of the final delivered product.

PLANNING FOR THE UNEXPECTED

At Signature Automation, we understand that providing a control algorithm, which strictly adheres to the process control descriptions, meets only the basics of the actual needs. Our philosophy is to go beyond this by assessing contingencies for probable erroneous scenarios. Early planning with this in mind allows for proper control of the overall treatment processes when faced with unexpected or abnormal conditions.

The extra effort we provide throughout the system development is carried forth into methodologies we use to configure the historical system and the operational reports. We recognize that views of time-series data is simply not enough information for long term assessment of treatment processes.

Our historical collection and reporting schemes utilize aggregations, which provide for missing and anomalous data that accurately depicts plant performance.

EFFICIENT COMMISSIONING

Thorough offsite testing is critical to efficient commissioning once the system reaches the jobsite. "Field time" is not the time to determine what is to be provided or programmed. To address this, we perform exhaustive in-house testing of our systems, which fall in line with ISA 62381 and 62382. Our testing is based on cause and effect scenarios that demonstrate the normal operational modes as well as anticipated failure contingencies. We welcome and encourage over the shoulder reviews by our clients throughout our testing.

CLIENT TAILORED TRAINING

Providing a superior products falls short if the end users are not able to efficiently use and maintain their system. Signature Automation conducts expert training tailored to each individual client. Comprehensive manuals with detailed visual aides and real world exercises supplement the student's understanding of the material. Additionally, we offer optional video tutorials and self-directed training simulations. This not only supports the course curriculum, but also provides invaluable reference materials through the life of the system.

ADDITIONAL SERVICES

While our primary focus is on the control system software, Signature Automation has developed relationships with leading technology firms to provide the full gamut of control system solutions. This includes engineering design, high level IT/networking, wireless communications, panel design, commissioning, and ISA 18.2 alarm management among other things.

Feel free to call us at your convenience to discuss any of our services.