

# Control Associates

Your Modern Automation Company



**Take a Close Look at Our  
Software Solutions & Services**



## Engineering Services Begin With a Business Analysis

At the start of every engagement, our Subject Matter Experts will analyze your current manufacturing processes, identify solutions, and develop a business case focused on delivering tangible business value through improved performance and reliability across your operations. We have the IT/OT domain expertise and industry experience to ensure that your manufacturing sites and assets are operating at peak performance and efficiency. After we supply you with an appropriate business case scenario, we will apply our experts, in one or more of the following six domains, to address your challenge.

### Automation Systems Implementation & Lifecycle Support

Whether for a Front End Engineering Design (FEED) study, a new implementation or expansion project, control strategy optimization, or ongoing system support, our experts can apply their industry knowledge to drive your process performance. With technical expertise in DeltaV and PLCs, as well as both batch and continuous manufacturing processes, Control Associates has what it takes to deliver robust automation solutions.

#### Supporting Services & Solutions:

- Configuration Services
- Project Strategy
- Lifecycle Strategy
- Platform Modernization & Migration Services
- OpEx Initiatives: Production Performance, Tuning, & Optimization

### Manufacturing Operations Management Systems Implementation & Lifecycle Support

Our experts can deliver a full range of Manufacturing Operations Management services—from architecting the solution to implementing the project and providing onsite systems administration support. Our team has experience in all phases—from FEED through implementation, deployment, and ongoing support—to deliver solutions, such as: electronic batch records, weigh & dispense, recipe management, order management, equipment management, real-time capacity modeling, and plant scheduling.

#### Supporting Services & Solutions:

- MES Consulting Services & Implementation
- MES Lifecycle Support & System Administration
- Capacity Modeling, Debottlenecking & Finite Scheduling Implementation, & Services
- SCADA Services
- Validations Services: Planning, Implementation, Testing, & Lifecycle Services
- Manufacturing Reporting Services







## DX, Data Integration, & Analytics

Our digital transformation consultants understand what it takes to harness the power of your data. We have the capability to connect, aggregate, contextualize, visualize, and analyze your manufacturing data to provide insight for driving operational excellence. Our experts can help you develop a digital transformation strategy and roadmap that brings together your operational technology (OT) and information technology (IT) data to improve productivity and reliability.

### Supporting Services & Solutions:

- Connectivity & Data Integration
- Contextualization, Aggregation, & Visualization

*As a result of the excellent local MES support from Control Associates, our teams were able to effectively establish first line operations, consistently resolve batch execution issues, and implement critical product labeling. This contributed to expanding the reach of lifesaving therapies to patients around the world in clinical and commercial settings.*

**— Operations Leadership,  
Cell Therapy Commercial Manufacturer**

## Operations Technologies Infrastructure

Cyber-attacks can have serious consequences. Our experts can provide a variety of OT infrastructure services—including networking, data processing and storage, IoT, cybersecurity solutions and resilience—either on-premises or in the cloud. Our services include the identification and assessment of vulnerabilities, remediation of protection gaps, and securing your process shop floor systems from cybersecurity risks.

### Supporting Services & Solutions:

- Enterprise Architecture
- Cyber Assessment & Hardening
- System Performance Health Assessment

## Continuous Manufacturing for the Pharmaceutical & Biotech Industries

Control Associates offers a full range of process automation, data management, and systems integration services to assist with the design and implementation of the solution best suited for your continuous manufacturing (CM) process. We know how to seamlessly integrate advanced process control strategies, real-time material traceability and tracking software, and Process Analytical Technologies (PAT) to consistently produce pharmaceuticals faster and better than traditional batch manufacturing methods.

### Supporting Solutions & Services:

- Complex Equipment Integration Services
- Process Analytical Technology (PAT)
- ContinuousPlant® Software Suite



## Reliability Solutions

Control Associates provides a full portfolio of asset management, performance, and condition monitoring technologies for your most critical equipment. Whether for power plants, life sciences manufacturers, refineries, transportation, or commercial HVAC, we'll help you transition from reactive maintenance to a proactive and predictable strategy. Our holistic approach encompasses not only technology, but also your culture and work processes, to drive sustainable continuous improvements.

### Supporting Solutions & Services:

- Predictive Maintenance
- Corrective Maintenance Field Services
- Reliability Mentoring & Consulting
- Digital Transformation
- Installation & Startup

# What Control Associates Can Do for You



Analyze and Optimize Your Manufacturing Processes To Achieve Peak Performance



Utilize Our Experts To Implement, Expand, Upgrade, and Drive Process Performance



Optimize Your Business Processes and Improve Operations Efficiency



Implement Innovative Business Solutions That Turn Your Data Into Knowledge



Install OT Systems That Are Reliable, High Performing, and Secure



Engineer and Deploy Software Solutions for Advanced Continuous Manufacturing Applications



Improve Your Overall Plant Reliability With Predictive and Corrective Maintenance Services



Drive the Appropriate Schedule, Budget, and Objectives to Meet Your Project Goals

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Our project managers understand the complexity of projects and have the technical and interpersonal skills to drive alignment across diverse stakeholders. We can interpret customer needs, develop a feasible project plan, mobilize the necessary resources, and deliver your project to achieve—or exceed—your set objectives.





## Partner With a Professional Services Organization That Truly Knows Your Facility

When it comes to achieving peak plant performance, no one understands your process control equipment and processes better than Control Associates. As your local service provider, we've built the infrastructure, bench strength, and knowledge to continue to satisfy your needs—now and as they emerge. Regardless of how you engage with us, we respect our customer relationships with a long-term view and unwavering commitment to excellence.

## CAI Advantages

- Focus on Delivering Tangible Value
- Industry Specific Knowledge
- Range of Advanced Tools/Technologies
- IT/OT Technology Expertise
- Deep Process Automation Experience
- Local Engineering Team
- Ability to Facilitate a DX Cultural Shift
- Continuous Manufacturing Expertise

### About Control Associates

Control Associates is a provider of process control systems, valves, actuation, instrumentation, regulators, relief valves, asset reliability, systems integration, manufacturing execution systems, and data management solutions for industrial and commercial customers in the tri-state metropolitan New York, New Jersey, and Connecticut region. Our unique long-term partnership with Emerson and other leading manufacturers enables us to connect customers with innovative technology, engineering expertise, and 24/7 lifecycle support services to optimize the reliability, safety, profitability, and performance of their operations. Our 40,000 sq ft facility is 20 miles from Manhattan, offering local services and support.