



CONTROL SYSTEM MODERNIZATION

Automation and control system modernization is critical now more than ever, whether that means migrating to upgraded hardware and software or establishing the systems required for smart factory readiness. Manufacturers must be able to adapt quickly to the dynamic changes that impact operations including supply chain disruptions, resource and labor shortages, increasing energy costs, changing market demands, and more. Those who continue to operate legacy and mature control systems may experience unscheduled downtime, reduced throughput, and increased operational risks.

Digital transformation of data and industrial automation helps manufacturers gain the highest levels of efficiency and reliability, but the task of modernizing is often overwhelming unless it is approached with the right partner. EN Automation has decades of experience working as a systems integrator and helping clients with control system migration and modernization efforts. Our automation professionals are proficient in over 50 platforms and apply best practices to ensure that systems are designed and programmed as intended to achieve the desired results.

MODERNIZATION SOLUTIONS PROVIDE THE FOLLOWING BENEFITS:

- Operational visibility
- Elimination of obsolescence issues
- Reduction in unplanned downtime
- Reliable production
- Increased communication
- Improved quality and safety
- Minimized operational risks
- Readiness for technology upgrades
 - » Industrial IoT
 - » Big Data
 - » Artificial Intelligence
 - » GTP, AGVs, AMRs
 - » Smart Factory
- Remote access to operations
- Maximized efficiency
- Optimized operations
- Reduced operating costs

EN Automation can help clients optimize their unique processes and applications while managing the spectrum of automation and control system modernization options available. In addition to collaborating to determine next steps, our engineers will ensure products are updated with the latest versions of software to provide access to new features and security patches that address vulnerabilities.

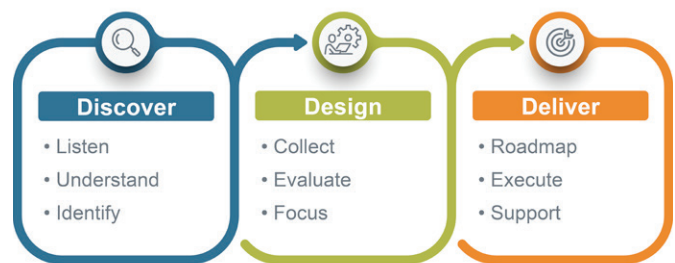
When legacy or obsolete systems are in place, EN Automation can provide guidance on modernizing drives and motion controls, upgrading I/O, establishing modern communication networks, migration solutions, and more. Some common migration examples include:

- Rockwell PLC5 and SLC500 to CompactLogix and ControlLogix
- Siemens S7-300 and S7-400 to S7-1200 and S7-1500
- Legacy GE 90-30, 90-70, or RX7i to Current GE RX3i
- HMI/SCADA applications for AVEVA Wonderware, Inductive Ignition, Mitsubishi ICONICS, etc.
- Cross-manufacturer/platform upgrades
- Communication including Siemens Profibus to Profinet, Rockwell DeviceNet and ControlNet to EtherNet IP, etc.



EN Automation offers comprehensive services to provide clients with seamless solutions for their automation and control system modernization from discovery to design and delivery.

Control system modernization is not a one and done process and is best approached in phases. EN Automation begins with a consultative approach to identify manufacturing pain points by actively listening to the client and adequately assessing existing systems and processes. We will develop an automation roadmap that clearly defines modernization plans so the client can prioritize and progress in phases to minimize production downtime and maximize the efficiency of the upgrade process.



EN Automation is a CSIA-certified systems integrator. As a sector of ENTRUST Solutions Group, we have convenient office locations across the nation to provide local, flexible, and scalable resources. Contact us to learn more about how we can help with your control system modernization project.

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