CONTROLS



Controls Software & Integration Solutions

Controls Retrofits & System Rejuvenation Solutions

As distribution center demands continue to evolve, many facilities find their existing conveyor and sortation systems mechanically sound but limited by outdated control architectures. Our controls retrofit solutions are designed to modernize legacy material handling equipment, improve performance, and extend system life without the cost of full replacement.

We specialize in upgrading aging PLC platforms, including legacy SLC installations, PLC-5 architectures, and PC-based control systems, migrating them to modern, industry-standard platforms from Allen-Bradley and Rockwell Automation such as ControlLogix™ and CompactLogix™. By implementing standardized, off-the-shelf hardware and non-proprietary architectures, we improve system reliability, simplify maintenance, and ensure long-term supportability.

Preserve and extend the life of your existing material handling investments by:

- Upgrading legacy SLC installations
- Replacing PLC-5 platform architectures
- Converting PC-based control systems
- Migrating to modern, industry-standard ControlLogix-based architectures

These modernization efforts allow facilities to adapt to evolving business demands without full system replacement.

As a Gold Partner of Rockwell Automation, we deliver proven modernization strategies that help facilities preserve their existing equipment investments while meeting today's operational performance requirements.

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CONTROLS

Replace & Improve WES/WCS

Consider replacing or improving your WES/WCS when:

- System obsolescence limits scalability or vendor support
- Frequent downtime or performance bottlenecks impact service levels
- Facility expansions or automation additions require system integration
- Software limitations prevent visibility, reporting, or workflow orchestration
- PLC controls upgrades are necessary to maintain reliability

We begin by assessing your full system landscape, controls, software, hardware, and integration points. In many cases, a complete replacement is not required. Our approach prioritizes maximizing your existing investment while engineering targeted improvements to deliver measurable results.

Customers across industries, from retail distribution to manufacturing, have leveraged R&I to increase throughput during peak season, support facility expansions, and modernize aging systems without full greenfield rebuilds. Many continue partnering with us for future upgrades and expansion phases.

With more than 30 years of controls and automation expertise, Pyramid brings deep WES and WCS engineering capabilities and OEM-agnostic integration experience to every project.

We don't simply replace systems. We engineer smarter, more resilient operations designed to grow with your business.

Key Benefits of Replace & Improve

Cohesive, Unified System

- Single-source accountability
- One support call for your full controls and execution environment
- End-to-end visibility across equipment and workflows

Updated Controls & Software

- Modern PLC architecture
- Enhanced system reliability
- Workflow orchestration and real-time decision support

Increased Throughput & Accuracy

- Peak-season performance improvements
- Optimized material flow
- Improved labor utilization

Reduced Risk & Long-Term ROI

- Lower maintenance costs
- Extended system lifespan
- Improved scalability for growth

Ready to Modernize?

Replacing and improving your WES/WCS is an opportunity to unify your system, increase reliability, and unlock new performance levels—without the risk of a full system overhaul.

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