

Conversion Services

Migration Strategies for Your Facility

Leverage our Expertise

In today's highly sophisticated manufacturing facilities, automation and control systems play an integral role in mission-critical plant operations. As equipment becomes older and less reliable, you must decide if you should repair the existing equipment, replace it with new but identical equipment, or migrate to a newer platform and take advantage of technology advancements and increased functionality.

Many factors must be addressed when considering whether converting to newer technology is the right choice, including how to get the highest possible return on your investment. Leverage Rockwell Automation's expertise to help you:

- Reduce your maintenance costs and efforts
- Increase production capacity
- Increase product quality while increasing production
- Procure parts for, or find skilled labor to maintain your legacy equipment
- Reduce service calls
- Decrease your Mean-Time-To-Repair (MTTR)



A Migration Path for Your Aging Systems

We know you are looking to improve process availability, production capacity and manufacturing quality. And, you need to reduce long-term costs and unplanned downtime. Rockwell Automation® Conversion Services can help you achieve this and more. From project management to start-up, we'll design and implement the ideal migration strategy for your facility.

- Upgrade your operator interface with current technology
- Replace an AC or DC drive with current technology
- Replace a PLC controller with current technology
- Update automation software and communication/HMI technology
- Convert an analog drive to its digital counterpart
- Implement or convert a network for your automation assets

Rockwell Automation can seamlessly migrate your existing Allen-Bradley equipment or convert your third party equipment to new Rockwell Automation platforms.



EESCO®

 **Allen-Bradley** • Rockwell Software

Rockwell
Automation

Turnkey Conversion Services

Rockwell Automation will be with you every step of the conversion project. Your Rockwell Automation primary engineer will be responsible for coordinating and scheduling implementation activities and resources, and will function as the primary contact for all communications. The conversion project has three steps:

1) On-site assessment

Using standardized checklists and processes, our primary engineer will conduct a job site visit to confirm the project scope, validate risks, review testing and acceptance criteria, and gather the required information and software to convert existing screens and software code.

Deliverables include:

- Completed risk assessment form
- Bill of materials
- Conversion acceptance criteria
- Project schedule and timeline
- Required information sent to conversion engineer team

2) Application conversion engineering

Using custom-developed proprietary software applications designed to convert existing screens and code, our engineers will complete and test the screen conversion process and any required PLC code changes necessary.

Outputs include:

- The existing PLC/HMI program converted to the appropriate SLC500, PLC-5 or ControlLogix or PanelView Component or PanelView Plus format
- Correct and convert any instruction and/or addressing errors to the new processor family
- Conversion of the documentation database

3) Start-up and acceptance

Prior to installation, comprehensive functional testing will be performed including pre-loading of all applicable software and firmware. Once installation is complete, our engineer, working closely with your plant staff, will conduct an operational compliance review. Comprehensive system documentation will be provided upon project acceptance. Deliverables include:

- Pre-operational checklist
- Operational test performed and validated by customer
- Necessary documentation, including product sheets and software files
- Customer acceptance

Application Conversion Assistance

If you're only looking for assistance with your conversion project, Rockwell Automation provides a variety of application conversion services that helps convert Allen-Bradley and third party applications to a variety of new Rockwell Automation platforms. These services are designed to aid in the conversion/migration of custom systems with minimal re-engineering of the application.

Using this service, instead of performing the conversion on your own, decreases turn-around time, saves money and minimizes errors that occur in manual conversions.

Additional conversion options to ensure your success

If you find you need additional help, Rockwell Automation can provide:

- Application level phone support during the start-up and debugging phase of the project
- Consultation on system re-engineering, operator interface, architecture and communication strategies, training, and on-site start-up (available through our local Rockwell Automation office).

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