

Life Is On

Schneider
Electric

Better plant performance begins with an efficient control system

Migrate from Rockwell PLCs to future-ready
Modicon technology

schneider-electric.com/processautomation

Prepare your plant for the future with migration solutions from Schneider Electric

- Reduce unplanned downtime
- Minimize maintenance costs through standardization
- Capitalize on existing investment and know-how
- Improve plant productivity and flexibility
- Maximize energy efficiency
- Increase protection against cyberthreats



Maximize uptime and efficiency through planned migration

Maintenance costs and unplanned downtime increase as control platforms approach the end of useful life. An easy-to-execute PLC migration plan is crucial for boosting productivity while minimizing migration costs and effort.

Proven expertise and services for control system transformation

When you upgrade your legacy Rockwell Automation™ PLCs, such as SLC 500 and PLC-5, to the Schneider Electric Modicon™ platform, you get more than just new equipment. Our solutions are based on extensive experience, innovative technology, and proven methodologies, helping you:

- Customize the solutions to meet your schedule and budget
- Capitalize on your prior software and hardware investment
- Mitigate risks and reduce migration effort
- Upgrade to an open, integrated, and scalable architecture

Migration plans designed to meet your needs

Our experts work closely with you to tailor the solution best suited to your business and operational requirements.

Partial: Upgrade CPU, retain all I/O modules

Targeted migration of critical production controls

Stepwise: Upgrade CPU, migrate I/O modules over time

Boost your system capabilities while retaining existing assets

Total: Upgrade CPU and I/O modules

Redesign your entire control system to benefit at once from an up-to-date and integrated system

With Schneider Electric, you are choosing world-class experts with in-depth knowledge of integrating automation from the field to the enterprise level. Additionally, we have an international service network to support you globally and locally throughout the system life cycle.

5%

of total production value

The average impact of unscheduled downtime

Source: ARC survey

Transition smoothly to a future-ready plant

Whether you upgrade your PLCs in phases or in one go, we help you extend the life of your automation system with minimal risk and investment. Your PLC migration will comprise two stages.



Secure your legacy application investment

Using a proprietary software, our field services team convert your Rockwell applications to the Unity™ Pro platform with minimal effort.

Cost and time saving

Preserve your legacy codes and data, including all I/O names, comments, and rung comments

More capabilities

Enhance your converted applications selectively with the latest programming languages, functions, or libraries in Unity Pro

Minimal new training

Reduce transition effort thanks to Unity Pro sharing the same code execution process and the same look and feel of the editors

One software for your PLCs

Featuring a wide range of functions and collaborative tools, Unity Pro software lets you unify the control of your Modicon units with a single software platform. The Unity Pro platform increases design productivity and PLC performance.

- 100% graphics-based configuration with customizable toolbars and icons, plus advanced drag-and-drop and zoom functions
- Built-in library with pre-tested application function blocks as well as user-developed blocks that are reusable across applications
- Integrated and synchronized editors for all design elements
- Context-sensitive help and tool tips
- Advanced, intuitive diagnostics
- Compliance with IEC 61131-3 PLC programming standard
- Choice of five IEC programming languages



Unity Pro

Before conversion



After conversion



Unity Pro shares a similar look and feel with your legacy interface



Stage 2

Efficient hardware migration while retaining existing assets

You can migrate your control system with confidence thanks to our extensive I/O cross-reference documentation.

Additionally, our unique quick wiring adapter lets you keep existing wiring as well as avoid faulty wiring. Simply plug the terminal block into the new I/O without changing the existing connections.

1 Remove Rockwell PLC and I/O module



2 Remove field connector(s) from SLC™ 500 I/O module



3 Install new Modicon unit and I/O modules



4 Mate each wiring adapter to Modicon I/O module



5 Reconnect each field wiring harness to its corresponding module and wiring adapter



6 Your migrated control system



Save time and avoid faulty rewiring with unique quick wiring system from Schneider Electric

Products and tools for cost-effective migration and maximized uptime

Schneider Electric offers a unique range of products and tools to help minimize the costs and effort of migration while maximizing the reliability and performance of your system.

Conversion tools for PLC, SCADA systems, HMI, and drives



Preserve and capitalize on your existing investment and accumulated know-how

I/O interface



Retain existing I/O with the new controller

Gateways



Retain fieldbus I/O and network, with new controller

Quick wiring adapter



Retain existing field devices and wiring

HMI connectivity



New HMI can be connected to existing controller and I/O

Engineering libraries



Faceplates and function blocks with similar look and feel as the legacy system reduces the need for retraining

Data encryption tools



Increase protection against cyberthreats to the data inside your controller as well as against corruption of your firmware, software, memory, and processor

Reduce migration downtime, effort, and cost with products and tools available only from Schneider Electric

Revolutionize your automation control with PlantStruxure™

Our migration solutions for plant modernization are based on PlantStruxure, an integrated architecture for driving plantwide productivity and energy efficiency.

Your renewed control platform can now leverage PlantStruxure architecture to deliver a combination of capabilities, tools, and resources to complete your projects in less time using proven and integrated technologies, and leveraging a powerful industrial software portfolio.

a single architecture for:



Integrated energy management



Maintenance excellence



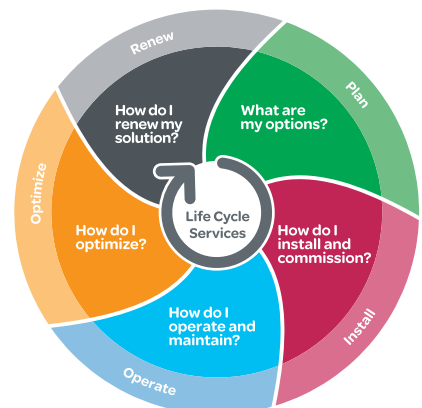
Operational efficiency

- ▶ Operational integrity to facilitate risk reduction, continuous production, business continuity, safety, and security
- ▶ Operational insights to extract maximum value and enable each worker to be faster, more agile, and more accurate
- ▶ True efficiency to make the most of manpower, assets, and resources now, in preparation for generations to come
- ▶ Future-proof operations to ensure the technology and intellectual property you invest in today, won't be obsolete tomorrow

PlantStruxure, your integrated and collaborative architecture

PlantStruxure from Schneider Electric is our global process automation architecture for discrete to continuous applications. Its scope has expanded to include the former Invensys portfolio, including DCS for process applications and a complete range of safety solutions. These are now delivered alongside hybrid control system applications, plant and infrastructure for discrete applications, and telemetry for remote architectures.

Our migration solutions for plant modernization are part of a comprehensive range of services supporting your automation assets, including PLCs, drives, HMIs, and SCADA system. Lifecycle services from Schneider Electric help sustain the optimal performance of your modernized facility throughout its lifespan.



We have services for optimizing productivity throughout the system life cycle. Prepare your plant for the future. Contact our Field Services team today!

Life Is On



Schneider Electric

70 Mechanic Street
Foxborough, MA 02035 USA
+1 877 342 5173

schneider-electric.com/processautomation

September 2016

© 2016 Schneider Electric. All Rights Reserved.
All trademarks are owned by Schneider Electric Industries SAS or its affiliated companies.
998-19869226_GMA-US_A4