

Boost your productivity by upgrading your Square D SY/MAX PLCs.



Make the most of your energy<sup>SM</sup>



**M**odernizing your plant is much more than just a technological upgrade. It is your first step on the path toward innovative industrial process management.

Today, you are looking for cost-effective methods of preserving your hardware and programming investment while extending component life and improving your manufacturing process. Schneider Electric™ supports you with technical expertise, service, and support to ensure that your systems are performing at optimal levels.

Improve your productivity and protect your valuable investment in technology by upgrading your SY/MAX™ programmable logic controllers (PLCs) to modern, state-of-the-art equipment using simple, effective, and affordable upgrade tools and quick wiring adapters available only from Schneider Electric.

- > Extend the life of your existing automation with minimum risk and investment
- > Retain the engineering investment you have made in your existing PLC programs and control system designs
- > Be future proof, with an evolution path to the latest technology
- > Minimize the risk of unplanned and/or extended shutdown during the upgrade
- > Retain connectivity to any other PLC and HMI/SCADA systems without the need for additional programming



# Stay competitive

Easily upgrade your SY/MAX PLCs to Modicon Quantum programmable automation controllers (PACs) with Unity Pro software.



There are many benefits of upgrading to state-of-the-art Modicon™ controllers, including lower cost of ownership, reduced maintenance, higher productivity, increased reliability, and better diagnostics.

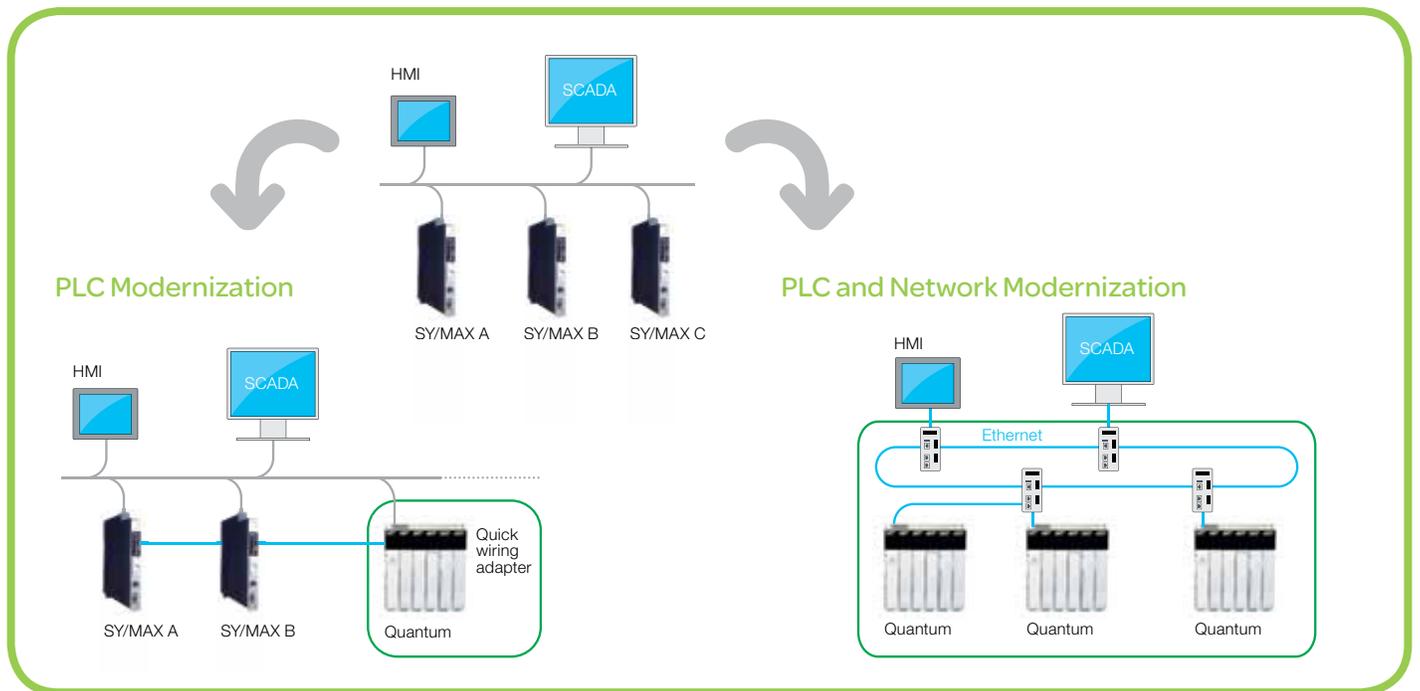
With our Modicon Quantum™ PAC modernization solutions, you can upgrade your processors, software, and I/O modules in stages, enabling you to manage the transition process so that even a complete system upgrade can fit into your budget and scheduled downtime.



Unity Pro

# Choose your own modernization path

At Schneider Electric, we have the product, application, and industry expertise to help you develop sound modernization strategies. Our proven solutions will allow you to leverage your existing investments in knowledge and equipment while you manage the transition at your own pace.



## Optimize your control system by upgrading your SY/MAX PLCs to Modicon Quantum PACs.

### Your process will quickly be up and running with your new Modicon Quantum PAC.

We will help you upgrade your automation system without disturbing your field wiring. The SY/MAX terminal blocks fit easily into the Modicon Quantum quick wiring adapter, eliminating the need for rewiring, additional investment, and costly production loss.

### Quickly benefit from the capabilities of your new software.

Preserve your existing programs and algorithms by easily converting them to our Unity™ Pro software, the only programming tool you need to fully develop, test, manage, and maintain your applications.

### Give your plant network a quick and easy boost.

Upgrade to the latest networking solutions of Ethernet and Factory Cast HMI and maintain connectivity to other PLCs and HMI/SCADA without the need for additional programming.

## What will the Modicon Quantum PAC give you?

- > Easy access to the latest network solutions, so you can quickly see the data needed to optimize your production operations
- > Faster performance to improve your process throughput in manufacturing operations
- > Improved mean time between failures (MTBF)
- > Cost-effective maintenance and service
- > High-end benefits of a programmable automation controller (PAC)
- > Improved analog I/O
- > Ready to replace SY/MAX PLC in its most popular applications:
  - Extended backplanes
  - Conformal coating for harsh environments
  - Approved for Factory Mutual Class 1 Division 2 environments
  - Substation automation — 125 Vdc power supply and I/O

# Open a new window of opportunities

Upgrade your control platform to the latest leading-edge products from Schneider Electric.



**Florida Keys Aquaduct Authority (FKAA) greatly improves efficiency by upgrading Schneider Electric PLCs.**

*“Prior to the upgrade, we had to travel to each and every PLC, covering over 130 miles. Just the transportation and overtime cost to send a technician to one site was huge. We are more efficient now because we’ve eliminated any need to travel to any PLC for troubleshooting. Our technicians can identify the problem remotely and then take any needed equipment with them instead of having to make three to four trips for troubleshooting before making the repairs.”*

**Upgrade to the new Modicon platform and you will have access to:**

- > Improved reliability of newer electronic components
- > Increased productivity and efficiency
- > Common enterprise applications via standard Ethernet networking
- > Integrated functionality of database applications, email, and browser-based application reports
- > Warranty coverage

**Benefits include:**

- > Reduced production downtime
- > Lower cost of ownership
- > Ability to retain existing field wiring, as well as your investment in PLC, SCADA, and HMI software applications
- > Significantly reduced upgrade time with application conversion utilities, I/O quick wiring adaptors, and services



You can also standardize to a single PLC platform by upgrading your SY/MAX PLC to a Quantum PAC. Reduce downtime by keeping your existing field wiring with our SY/MAX to Quantum wiring adapters and save your established application by converting to Unity Pro.

# Schneider Electric, a true enterprise efficiency partner

Schneider Electric consulting and project services are available to help you make smart investments, while achieving the greatest improvements to your enterprise efficiency.



### Where to start?

Before you start your modernization journey, you need a road map. Through an industrial audit portfolio, we can help you identify your current risks and where to start your journey by assessing:

- > Risk levels with obsolete systems in critical applications
- > Maintenance skills levels and training needs
- > Spare parts availability, inventory levels, etc.



### Expert on-site support

Schneider Electric automation service staff are experts in the installation and commissioning of our automation hardware. Adding one of our service engineers to your start-up team will give you an added level of insurance with a specialist to help you reduce your start-up time so you get back into production as soon as possible.

### Project management services

Protecting your production activities during plant upgrades requires precise execution and planning. Our Industrial Services and Solutions organization offers complete turnkey project management services that can help you:

- > Plan on-site activities to coincide with planned downtime
- > Update designs and drawings for your new system
- > Convert application programs to new programming environments
- > Test and commission the new systems to ensure everything is working correctly



Schneider Electric consulting and project services help reduce the risk and time required for your modernization journey, so you can get the best productivity improvements in the shortest possible time.

# Enjoy the benefits of a modernized control system from Schneider Electric:



## Increased productivity

with cutting-edge automation products



## Optimized flexibility

with new open architectures



## Reduced costs

for maintenance and service



## Enhanced connectivity

through access to multiple network options



## Improved energy management

with PlantStruxure™ capabilities

# Talk to someone you can trust

When we introduced the first programmable controller, we were responding to the needs of our customers for better, more effective process control. More than 40 years later, we continue to listen and work with you to pioneer innovative ways of delivering value, efficiency, and performance. This commitment has earned us a reputation for dependability, innovation, and reliability that defines the Schneider Electric team around the world. This includes product specialists, industry experts, system integrators, and countless other members of the Schneider Electric family.

Because the first step is always the most important, Schneider Electric offers an on-site audit and a customized assessment to confirm the project scope and validate risks. We also offer project execution services to deliver the right solution for your needs and budget.

To take advantage of the advanced features of the current line of Modicon industrial PLCs and Unity Pro programming software, talk to your local Schneider Electric automation and control expert.

For more information, visit  
[www.schneider-electric.com/us](http://www.schneider-electric.com/us)  
and enter key code **v985v**.

Enter key code

> OK



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