

Want to simplify the management  
of your automation equipment?

Simplify your control  
solution with a  
Modicon® PLC.



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



**Schneider**  
Electric

# Modicon...

## the PLC that started it all

The Modicon controller sparked a revolution in 1968 with its introduction as the first programmable logic controller (PLC). That Modicon programmable controller completely reshaped the world of automation and machine design by offering an entirely new control solution that was flexible, easy-to-use and more versatile.

Today, Schneider Electric continues that tradition of excellence and innovation with a complete range of Modicon PLCs. Consisting of seven products, the Modicon family enables you to:

- Select the exact level of control you require without sacrificing simplicity and performance.
- Streamline programming by reusing functional libraries across products.
- Reduce implementation time and cost by utilizing commercially available cabling, modular architectures and standard networking protocols.
- Quickly expand your control solution by using combinations of products or simply upgrading to other PLCs in the line.

As the choice of a generation, the Modicon line of PLCs comes with over 40 years of proven experience built into every product. It is also supported by the industry's largest distribution network and the global leader in power, control and automation solutions, making it the ideal choice for simple machines to complex automation facilities and critical applications.



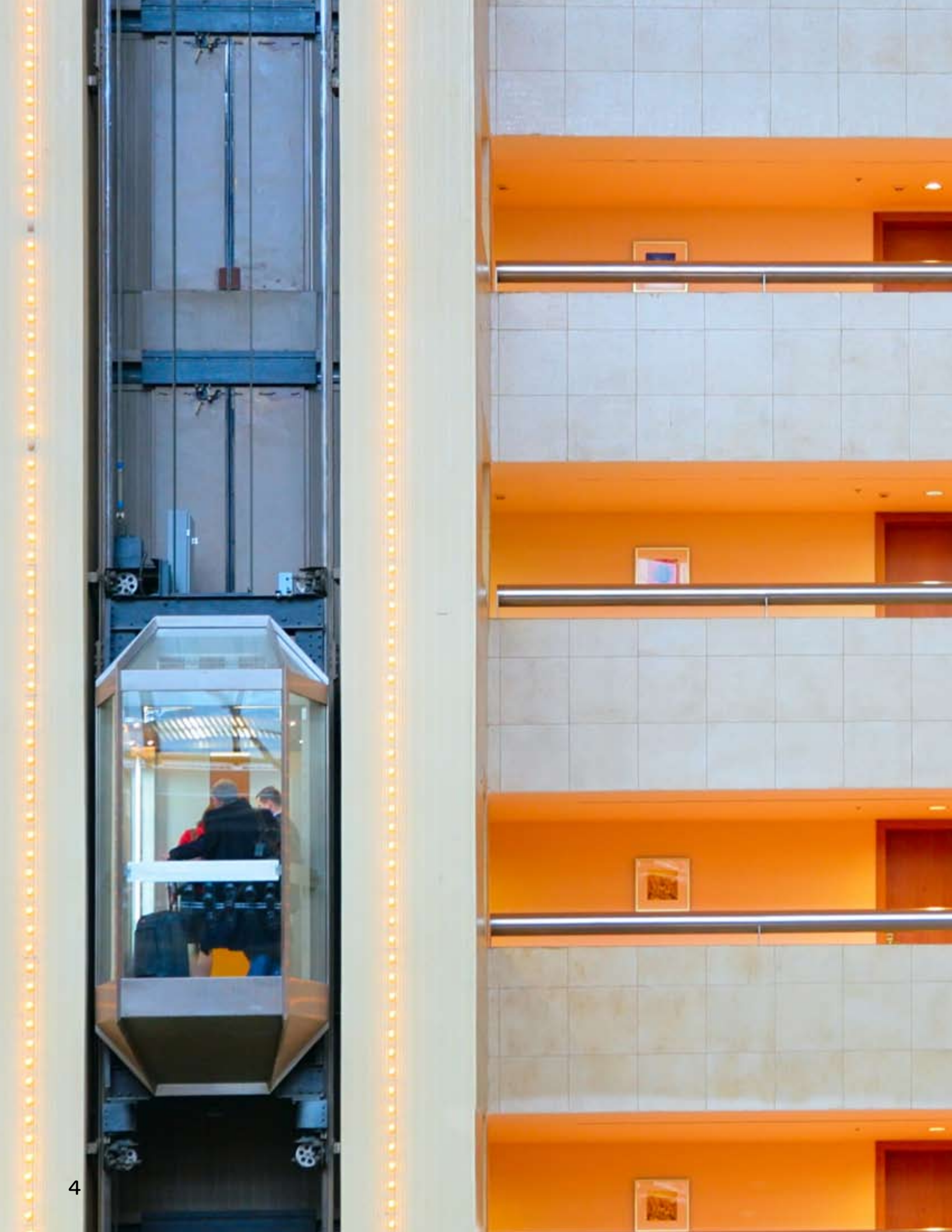


# Protect your automation investment



Schneider Electric offers long-term protection for your automation investment by simplifying your adoption, upgrade and migration to Modicon PLCs. Plus, conversion kits allow you to replace legacy products without requiring expensive rewiring or cabling and streamline connectivity to other automation products — even those from other vendors.

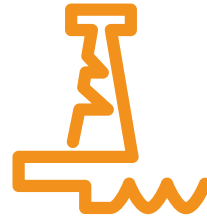
To further minimize your risk, dedicated service teams specialized in bridging the gap between old and new technologies are available to manage the whole process. Starting with a comprehensive analysis of your current systems, we identify ways to improve performance by incrementally updating your systems to replace outdated equipment in phases. This enables you to immediately benefit from modern equipment, quickly recoup the cost of upgrading and positively impact your bottom line for years to come.



# Tailored to your needs

Every industry is unique in its own ways, as is the Modicon family of products. Each offers something unique, such as the M340™ PLC's embedded web browsers or the Quantum PLC's SIL2 certification or even the Twido® Extreme PLC's ability to operate under water. Together, they make tailoring your solutions to meet your customer's needs easy.

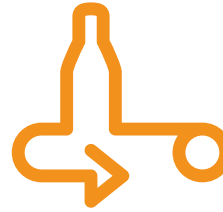
And as a global leader in power, control and automation solutions, Schneider Electric has the resources to focus on understanding your specific challenges to assist you in building solutions for your customers. Accelerating this process are global industry competency centers and regional country representatives available to work hand-in-hand with you to build innovative new machine solutions. They combine day-to-day industry experience with automation expertise to help you design, build and market equipment that is more efficient, more productive and more competitive around the world.



Off Shore Oil & Gas



Hoisting



Material Handling



Lift



Oil & Gas



Food & Beverage



Automotive



Water, Wastewater



Packaging



Machines

# Comprehensive PLC Solutions

## > High end controllers

### Modicon® Quantum™ PLC

The Modicon Quantum PLC is the powerhouse of the Modicon family. It's scalable, modular architecture is configurable to meet the needs of even the most critical solutions, from a single rack system to a plant-wide architecture. It is ideally suited to industries that require continuous operation, rapid responsiveness and high availability through redundant backup, and achieves optimum cycle times, while integrating increased communication connectivity, diagnostics, memory flexibility and data storage.



### Modicon® Atrium™ PLC

The Modicon Atrium slot PLC provides all the benefits of a PLC in a PC-card format. This embedded real-time controller meets your needs for openness and cost savings while providing a reliable, robust operating system that won't crash even if the PC does. When used with the Magelis® Compact iPC, Atrium slot PLCs offer an inexpensive all-in-one-box combination of full function controller and supervisory software.



### Modicon® Premium™ PLC

Delivering more flexibility and openness, the Modicon Premium PLC offers a highly versatile, cost-effective control solution. It enables you to standardize on a single platform for multiple discrete manufacturing and process control applications while at the same time, allowing you to take advantage of a flexible architecture that integrates multiple CPU levels, plug-and-play rack support and open communication standards. It also features multi-axis interpolated motion control, weigh scale monitoring, integrated Preventa™ safety relays and reflex functionality for fast, independent processing of critical I/O.



## > Mid range controllers

### Modicon® M340™ PAC

Extremely powerful, rugged and compact, the Modicon M340 Programmable Automation Controller (PAC) provides cutting-edge features and high-end performance in a mid-range processor. Using commercial integrated circuit technology, the M340 utilizes modern data networking to interact with distributed I/O, drives, other PLC devices, and enterprise-type entities. It also uses the same Unity™ application development software as the Quantum, Premium and Atrium equipment, making it easy to quickly select, program and implement the controller to optimally manage simple to complex applications.



### Modicon® Momentum™ PLC

With a small footprint and open architecture, Modicon Momentum PLCs provide an extremely versatile control solution for a variety of automation applications. Ideal for PC-based control, distributed I/O and traditional, standalone PLC control, the Momentum Ethernet processor offers users the option of programming with traditional ladder logic or the five complete IEC program editors standard with Concept™ software. Using Ethernet as its communications backbone, the Momentum M1E processor delivers in real-time, while its open architecture promote interoperability, making it the first truly universal controller for distributed I/O compatible with many of the major fieldbus and control network environments.



## > Economical controllers

### Modicon® TSX Micro™ PLC

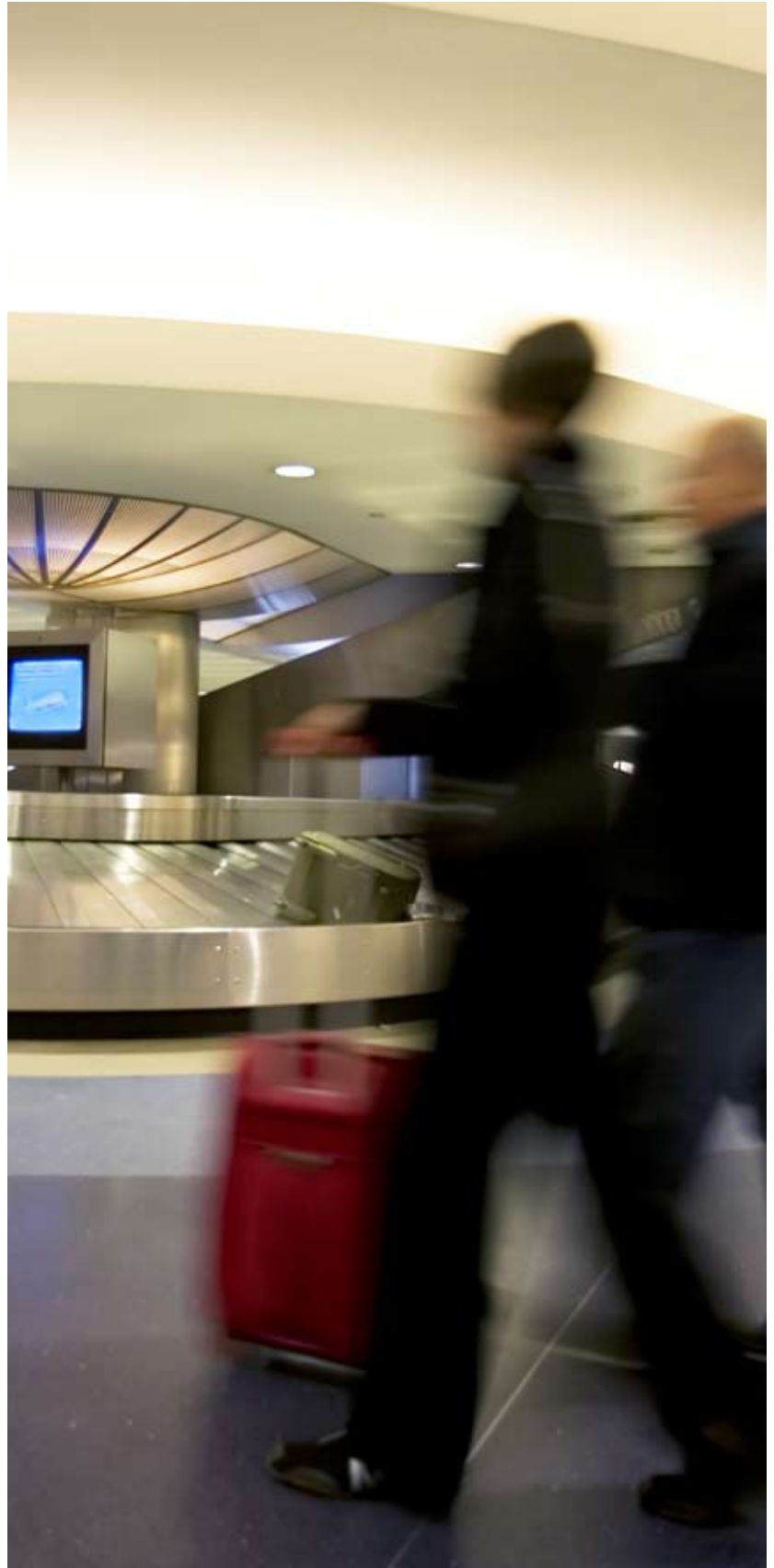
With proven accuracy, flexibility and productivity, the Modicon TSX Micro provides a modular, compact size design. Exceptionally fast for a micro PLC, the TSX Micro controller provides simple automation system integration and handles remote processing and distributed I/O to enable small machines and automated equipment to run at



optimal efficiency.

### Twido® Ultra-Compact PLC

Open to numerous communication networks, the ultra-compact Twido PLC is designed especially for small control systems with a wide range of I/Os. Flexible, affordable and adaptable, Twido solutions make control system development easy to build for your applications. The enhanced Twido line, including the Twido Extreme PLC for harsh environments includes communications modules and enhanced software that provide sophisticated machine control at no extra cost.





## 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 machine control. More than 40 years later we continue to listen and work with you to pioneer innovative new ways of delivering value, efficiency and performance.

This commitment has earned us a reputation for dependability, innovation and reliability that is the defining characteristic of Schneider Electric team members from around the world. This includes product specialists, industry experts, distributors, partners and the countless other members of the Schneider Electric family. Each is tasked with continuing our mission to help you make the most of your energy.

Safety & Security. Reliability & Productivity. Aesthetics & Comfort. Efficiency & Sustainability.

Whatever your need, Schneider Electric has the solution. Contact your local sales representative today to learn how Schneider Electric can improve operational performance and help your business to achieve a competitive advantage.

To find genuine Schneider Electric Brand PLCs, go to [www.us.Schneider-Electric.com/PLC](http://www.us.Schneider-Electric.com/PLC)

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