



# Greenfield or plant expansion project?

Combining process and power control on a single platform can accelerate your speed to market, uptime, energy savings and return on investment



# 3 pivotal milestones to maximize plant profitability

## BEFORE YOU BREAK GROUND ON YOUR PROJECT...

A single decision can help your company save millions of dollars on its next plant expansion project. By partnering with the right organizations early in the facility planning process – long before construction begins – manufacturers can avoid costly startup delays, excessive capital expenditures and long-term operational inefficiencies.

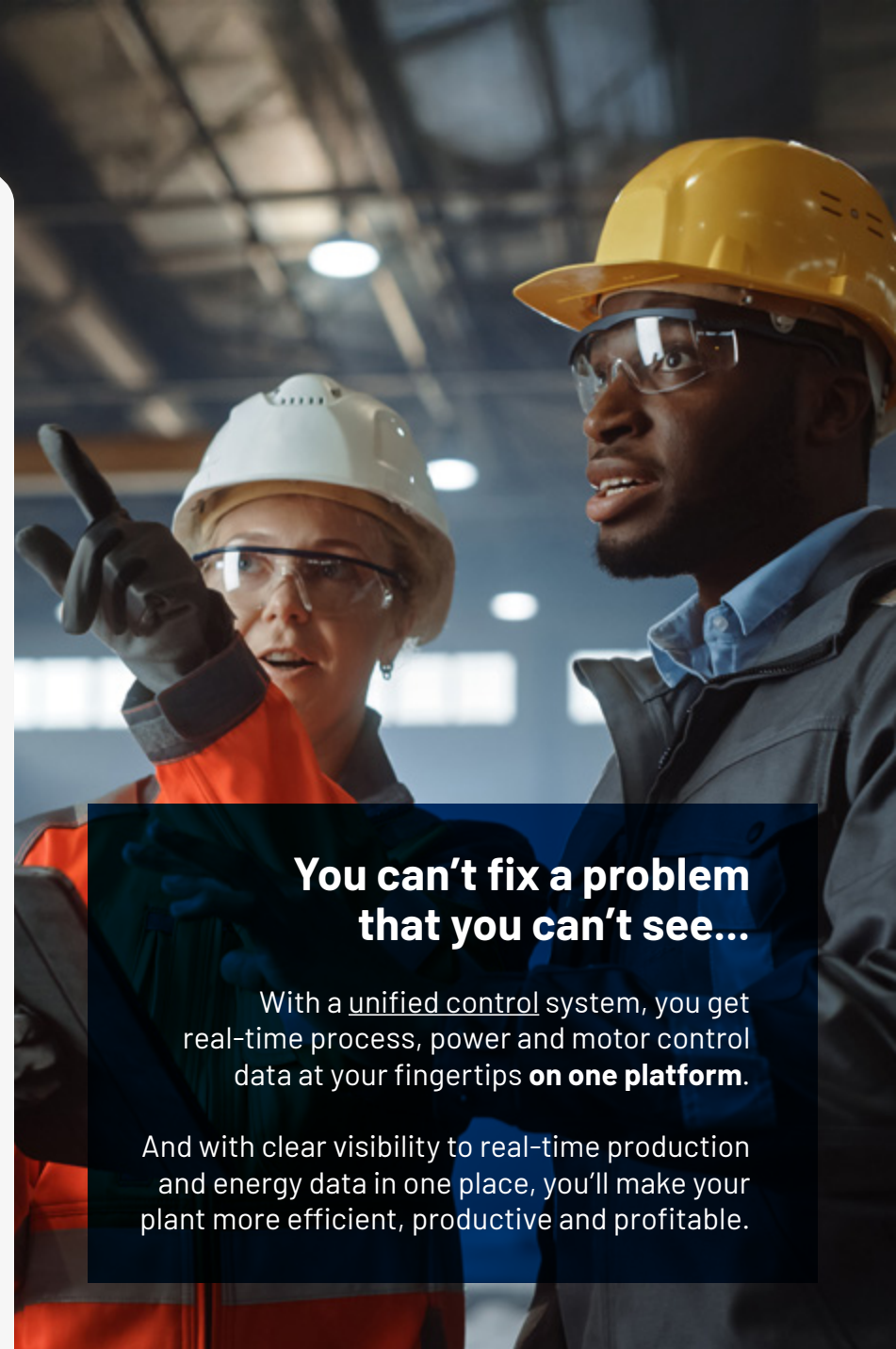
But it's not just about avoiding expenses. Companies can also invest in technologies that provide 24/7 production insights and drive profitability year after year.

Our consulting team identified 3 pivotal milestones that help deliver the highest return on investment in plant expansion initiatives:

1. **Develop** a scalable, high-level project engagement framework to align stakeholders and long-term goals
2. **Unify** real-time data, smart technology and control systems
3. **Engage** a unified industrial design, commissioning and system support team

### **We're here to help you bring it all together.**

Our systematic approach builds smart manufacturing solutions to meet your needs today – and plan for tomorrow's growth.



## You can't fix a problem that you can't see...

With a unified control system, you get real-time process, power and motor control data at your fingertips **on one platform.**

And with clear visibility to real-time production and energy data in one place, you'll make your plant more efficient, productive and profitable.

# Finally. Process and power control in one place

## THE ADVANTAGES OF UNIFYING CONTROL SYSTEMS

Although many manufacturing plants are designed with separate process and power control systems, *this approach increases complexity, costs and risk*. We think that's a disadvantage.

**Our integrated network approach** puts your critical process, power and motor control data **on one platform**. This helps lower your design, hardware and total install costs:

- **Reduce** material, design, engineering, wiring and testing costs
- **Faster** installation, commissioning and time to market
- **Reduce** downtime with visibility to operating conditions, faults, predictive maintenance, alarms and events on one system
- **Increase** safety with 24/7 system monitoring from remote devices

An integrated system also reduces project complexity and risk. Plant engineers don't need to design, learn, maintain and manage multiple systems, connections and interfaces.

Plus, a unified system gives a complete view in one place. Learn more about our [industrial control system here](#).



## Integrated control systems help save:

- Up to 15%** in equipment costs with system packaging
- Over 25%** in installation costs through digital technology
- 70% to 80%** in integration costs by unifying your system

# Connecting people, operations and technology

## DELIVER A SINGLE PLANT-WIDE VIEW

The advantages of combining your control system extend far beyond installation and startup...

With unified systems, you gain critical real-time data to make better operational decisions throughout your system's entire lifecycle. Insightful analytics. Energy management. Predictive maintenance. Network security and more. Talk about reducing your total cost of ownership.

- **Improve** performance with 24/7 real-time operation data, synchronized and time-stamped from a single source
- **Boost** uptime and productivity with predictive analytics and the newest AI and machine learning technologies
- **Reduce** energy costs with load management and energy monitoring tools
- **Make** faster and easier system modifications and expansion

With the right technology in place, your process, power and motor control system can become a strategic advantage. [Let us show you how.](#)

## Boost your return on investment with a connected system

Our smart motor control devices are some of the most critical and data-rich devices on your plant floor.

By connecting them to your process control system, you can use real-time data, AI and predictive analytics to improve production, equipment life, maintenance and energy use.

# A unified platform simplifies everything



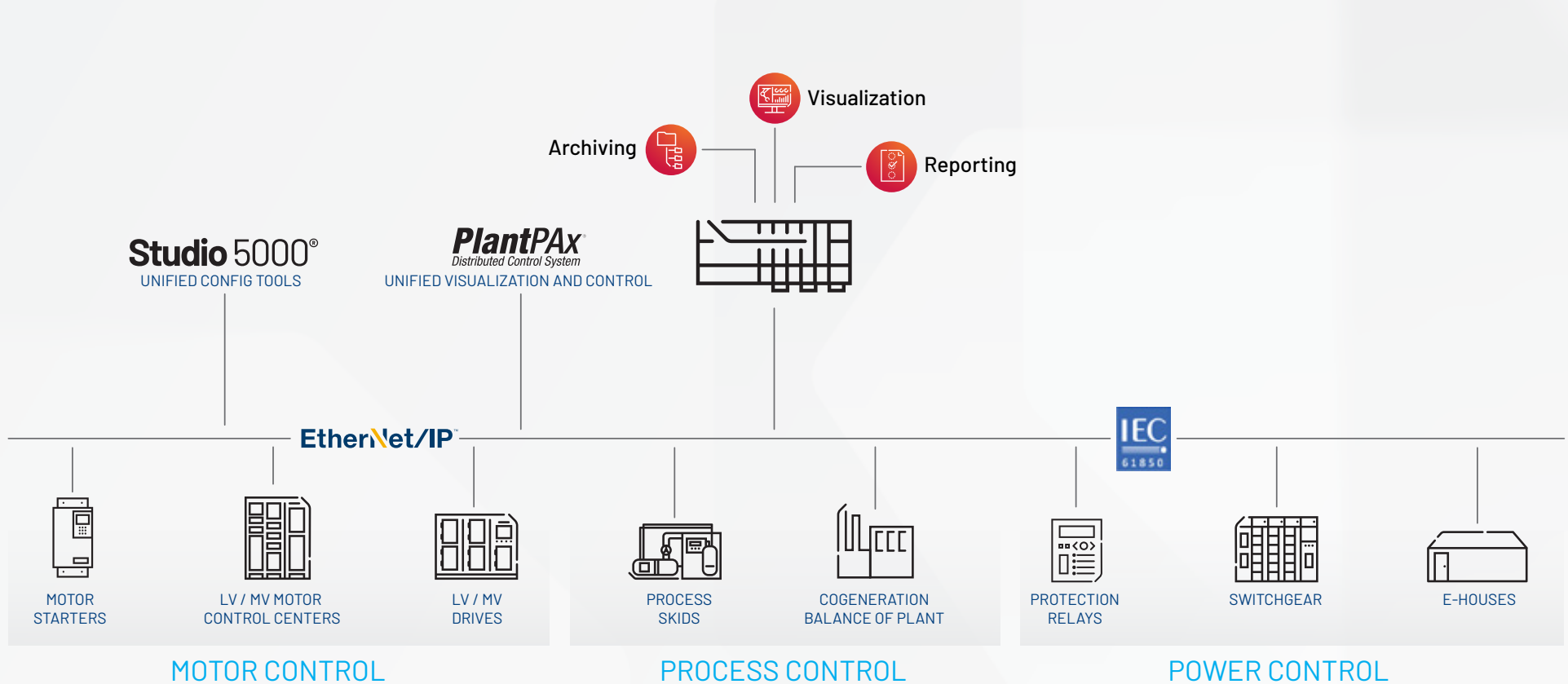
Replace independent power management system with a unified control platform



Unmodified Ethernet seamlessly connects and communicates all data



Get real-time access to process & motor control device intelligence





**“We have information  
at our fingertips now...”**

“From my desktop, I can see hundreds  
of motors, control points, temperatures  
– everything that’s happening and  
whatever shouldn’t be happening.”

-Director of Engineering

# Integration starts with a solid foundation

## THE TECHNOLOGY POWERING OUR PLATFORM

Nobody offers a broader suite of connected solutions than Rockwell Automation. When customers use our unified control solution, it helps reduce risk with standardized control architecture and proven technology.

The [PlantPAx® distributed control system](#) leverages a Logix-based automation platform to integrate critical areas of your plant. It connects process, discrete, power, information and safety control into a single plant-wide infrastructure.

Built to meet both NEMA and IEC standards, our motor control devices are engineered for demanding industrial applications. They natively integrate into the Logix control system. This premier integration unifies design, configuration and commissioning into one software environment, reducing time, errors and costs. Devices can include:

- [PowerFlex® variable frequency drives](#)
- [Allen-Bradley® motor control centers and devices](#)
- [ControlLogix® programmable logic controllers](#)
- [Network security & infrastructure](#)

Plus, visibility into assets on the network is critical to cybersecurity effectiveness. The capability to find and assess vulnerable assets, apply countermeasures and security patches helps prevent cyberattacks.

By connecting your plant with data-driven insights across process, power and motor control systems, you'll [unlock new levels of performance and productivity](#).

# Global support from the industry leader

## YOUR SINGLE-SOURCE AUTOMATION PROVIDER

When you partner with Rockwell Automation, we help support you every step of the way. We leverage an ecosystem of trusted partners who collaborate on plant expansion projects every day. Our approach helps you reduce risk and go to market faster.

### **Simpler from the start**

Our integrated project approach brings electrification and process automation together on one contract, with a single point of execution responsibility. This reduces the number of vendors and contracts you need to manage.

### **Collaborative and connected**

We understand systems engineering and implementation. We can work with our technology partners or yours to execute complex components of the project, including networking and cybersecurity, to deliver seamless integration.

### **Modular delivery**

Accelerate installation and reduce your costs with a preconfigured, fully integrated eHouse. It combines motor control and electrical distribution systems in a single, weatherproof unit that is preconfigured, networked and tested before it arrives on site.

### **We can assist every step of the way.**

Contact a Rockwell Automation representative or visit [rok.auto/unifiedcontrol](https://rok.auto/unifiedcontrol) for more information.



## Expanding your plant capacity?

Long before you begin your expansion or greenfield project, talk with Rockwell Automation and our trusted ecosystem. We have decades of experience designing, testing, commissioning and supporting industrial expansion. From consulting and front-end engineering and design evaluation to full system integration and lifecycle support, we help ensure your project is efficient, compliant and scalable.

Want to get started? Contact us to schedule your assessment or consultation.

Contact us

# The **right expertise**, at the right time.

Professional, managed and support services across key capabilities designed to automate, connect, protect and optimize your operations.



## PRODUCTION AUTOMATION

Automate and modernize manufacturing and production operations.

- Industrial automation control systems
- Distributed control systems (DCS)
- Coordinated drive solutions
- Power and process integration
- Safety systems and solutions
- Packaged solutions



## DIGITAL OPERATIONS

Connect processes, systems, assets and products with digital technologies.

- Data science & artificial intelligence (AI)
- Internet of Things (IoT/IIoT)
- Digital twin
- Manufacturing operations management and execution systems (MOM/MES)
- Product lifecycle management (PLM)
- Extended reality (AR/VR/MR)
- Supply chain optimization



## INDUSTRIAL CYBERSECURITY

Protect IT/OT infrastructure with security controls and countermeasures.

- Industrial compute & network infrastructure
- Asset inventory
- Risk and vulnerability management
- Endpoint protection
- Threat detection
- Security monitoring and response
- Incident response and recovery







## PRODUCTION OPTIMIZATION

Optimize the performance of assets, systems, applications and people.

- Asset management
- Industrial maintenance
- Inventory management
- Energy management and sustainability
- Workforce support
- Workforce development and training

To learn how we can help you solve your unique business challenges, contact your local authorized Allen-Bradley® distributor or Rockwell Automation sales office, or visit: **rok.auto/lifecycle**.



Connect with us.    

**rockwellautomation.com**

expanding **human possibility**®

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