



Quad Plus®

Starting with a single point of contact, you'll enjoy coordinated project phases that provide a fully integrated solution from design, development, implementation, and commissioning.



System Integration & Commissioning

**CONTROL
ENGINEERING**

2024 Systems Integrator Giants
Ranked 3 in Global System Integrator Database

System Engineering, Design and Documentation, Manufacturing,
System Testing, Commissioning Support

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Full-Service System Integrators:

Customized solutions designed for your needs.



E-House

E-houses are custom-engineered, prefabricated enclosures designed to accommodate a wide range of electrical and automation equipment. Each unit is constructed and rigorously tested at our facility, ensuring maximum installation efficiency upon delivery. These durable e-houses are ideal for environmentally challenging conditions, providing robust

protection for sensitive electrical and mechanical equipment. With their flexible designs, our e-houses can be tailored to fit specific project requirements and include features such as HVAC, alarms, and fire suppression systems. Experience the ease of installation and enhanced safety with Quad Plus e-houses, adaptable to your unique industrial needs.

We Know Your Industries; We Know Your Systems

System Engineering

We listen to your requirements and can craft a plan to improve items such as productivity, outputs, and speed changes.

Our engineers have extensive knowledge of the machines, controls, and technology needed to meet your request, as well as knowing how to program your system. The engineers that initially meet with you are part of the team that generate the BOM, create the hardware design, and program the system.

Our application solution capabilities are vast, including but not limited to the following core areas:

- ✓ Coordinated Drive and Automation Systems
- ✓ PLC, HMI and SCADA Automation Solutions
- ✓ AC Common Bus Coordinated Process Lines
- ✓ Regenerative Drive, Motion Control, Servo, and Medium Voltage Systems

Design and Documentation

Using our 3D design process, we design your control system to meet your unique needs and specifications. No matter what brand of controls you need, we have you covered. Our control cabinets are always BUILT to fit the required space and are scalable for long-term flexibility. You can expect faster control system assembly time and the ability to highlight issues before entering production as a result.

Commissioning and Support

We have a saying: whoever designs it, starts it up. Our goal is to have the most efficient startup to exceed your expectations of the newly integrated system. Ensure a smooth transition from installation to production with our hands-on, onsite support. We deliver ongoing system support via expert remote support and troubleshooting and reliable field service, including emergency service when needed.

System Testing

Feel confident knowing your system is fully configured and tested before shipment by the engineers that designed that system. This practice reduces downtime once your existing machine is shut down, saving you significant time and money. As well as that, customer FAT and SAT testing are available.

Manufacturing

Our cabinets are custom designed to fit your space and are scalable for longterm flexibility, and our in-house CNC machine shop ensures an accurate and timely product. We offer stand-alone and multi-bay systems, and engineer our cabinets for hazardous and non-hazardous environments, taking into consideration many elements, including but not limited to: Climate and Temperature, Indoors/Outdoors, Altitude, Humidity, Light to Extreme Duty.



Retrofits

Restore reliability and profitability to your aging equipment. When obsolete, unrepairable, or uneconomical components mandate upgrades, we evaluate your assets to provide retrofit options for restoring reliability, returning your operations to profitability, and adding new features; often while avoiding the need to replace your equipment entirely. We offer a complete solution that can be implemented in phases to minimize downtime and reduce interruption of your production schedules.

Our skilled design teams are made up of controls, mechanical, civil, structural, chemical, and electrical engineers who boast an extensive process knowledge spanning from the utility pole to the motor shaft.



Web Gauging

Seamlessly integrate state-of-the-art web gauging scanner technology into your existing control system and production line. We provide a full-service gauge system specifically designed to meet the needs of your business and industry. Our skilled design team configures the frame and scanner around your machine's unique layout for optimal performance. Quad Plus follows up configuration by installing the system, training the operators, and supporting the system to implement a seamless operation.

Industries Served



Auto Shredding



Building Products



Cement and Mining



Converting



Manufacturing



Marine



Metals



Pulp and Paper



Rubber and Plastics

Our Capabilities

Project Coordination

Enjoy the ease of working with a comprehensive, multi-discipline design engineering firm capable of seeing your project through from start to finish. Every project begins with an on-site evaluation of your system and manufacturing requirements - we follow through with good project management and open communication to provide the ideal combination of our design-build expertise and your specific industry knowledge.

Electrical Testing

Our NETA-accredited technicians are readily available to help you identify and resolve any manufacturing defects, buildout deviations, and errors. By doing so, you'll avoid startup delays and unexpected downtime, as well as steer clear of expensive electrical issues. Our engineers and technicians specialize in electrical acceptance testing, commissioning, maintenance testing, repair, installation and troubleshooting. We perform all testing in accordance with NETA/ANSI standards.

Licensed PE

Quad Plus provides professional engineering and project coordination for many industries and every business size. We will work closely with you to design, plan, build, monitor, and complete your industrial projects. Our expertise in mechanical, piping, electrical, civil, and structural engineering range from multi-million dollar projects down to the fine details of small projects at your local plant. Our goal is to give you the leading edge in today's tough, competitive world.

Customization

To have better insight into your needs and constraints, you need a system integrator with both continuous and discreet processing experience and a background in a variety of applications. You need a crew that can tackle every processing application, including web tension control, stacking and destacking, alignment and orientation detection and correction, recipe-based batching and coatings application, and air handling.



Uncomplicate Your System

There's no room for excess downtime.

With tight deadlines, even tighter profit margins, and demanding customers, you don't have time for an integration installation process that takes you away from your bottom line. Quad Plus leads the pack in system integration solutions - our experts have experience with web handling and processing, backgrounds in various applications, and they know how to listen to what you need.

Qualified, experienced, and we know how to listen.

Whether you want to retrofit viable legacy machinery or design a new installation in large-scale industrial processes, Quad Plus delivers the resources you need.

Our goal is to exceed your expectations.

Quad Plus is a global leader in providing comprehensive, customized solutions that increase efficiency, boost profitability, and reduce costly downtime. Once your system is up and running, we can provide services you can trust from preventive maintenance to field and repair services.

We work with all major original equipment manufacturers.

SIEMENS

ABB

RA **Rockwell Automation**

Wondersware
by AVEVA

CONTROL TECHNIQUES

Ignition
Gold Certified Integrator