



CONTROL PANELS & SYSTEM INTEGRATION GROUP

Carotek's Control Panels and Systems Integration Group offers complete Control System integration including fabrication of control panels and assist with start-up on your next automation project.

For more information, visit carotek.com/control-panels or call us for expert assistance.

WHY CAROTEK CONTROL PANELS?

We offer:

- Complete Control Fabrication
- UL/CUL 508A, 698 and 1203 Certified
- Authorized Integrator for most major PLC and HMI Manufacturers
- Experience with all major brands of DC Drive and AC Variable Frequency Drives
- Systems fabricated to your design, drawings and programs
- AutoCAD Electrical generated drawings
- Software Development can be arranged with 3rd party suppliers
- All systems tested prior to shipment
- On site Start-Up Assistance and Training
- Existing production process automation

Industry Applications

- Pulp & Paper
- Plant Process Control
- Pharmaceutical
- Process Instrumentation
- Food Processing
- Variable Speed Applications
- Plastics
- Power Generation
- Material Handling
- Petro Chemical/Chemical
- Wireless Applications
- Automotive
- Bio-Diesel
- Water & Wastewater



CONTROL SYSTEM SERVICES

We start by taking the time to completely understand your requirements and the goals for the control system. For large systems, each control panel is fabricated with the system operators in mind.

- PLC/HMI authorized integrator - All major brands supported
- Report generation
- Complete annotated documentation
- Installation and operator documentation and training
- Multiple drawing formats (size & color)



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CONTROL SYSTEM CALIBRATION & TRAINING

Carotek offers unparalleled startup assistance to get your control panel system up and running quickly, operator training to ensure system integrity, and 24/7 services when needed. This includes:

- Factory qualified technicians
- Instrument calibration & repair
- Start-Up services
- Field Troubleshooting
- Operator/User training
- Plant & system audits

We will come to your facilities with our control panels and provide startup assistance to ensure that everything is working correctly. This includes startup testing to ensure compliance with any required standards. Our team also will ensure all instruments are calibrated correctly and repair/replace any existing instrumentation as needed. We will troubleshoot to ensure complete system integrity before leaving the job site.



CONTROL PANEL UL CERTIFICATIONS

Carotek offers several certifications on all of our control systems according to your particular process requirements. We are a UL 508A, 698 and 1203 certified panel shop for industrial control panels (standard and hazardous). We can do certification testing for your existing control panels - only in our facility. Testing in your facility must be conducted by UL.

Hazardous Location Certified

Our latest certification is in the UL's Hazardous Location Industrial Control Panel Program, accepted in every jurisdiction across North America. The industrial control panels covered by these UL services are assemblies of components such as motor controllers, overload relays, fused disconnect switches, circuit breakers and related control devices. These related control devices may include push-button stations, selector switches, pilot lights, control relays, and associated wiring terminals.



CONTROL PANEL THERMAL MANAGEMENT

Carotek is an authorized stocking Pfannenberg Distributor who specializes in thermal management solutions to maximize up-time and efficiency. Products include Panel Mounted Air Conditioners, Air-to-Water / Air-to-Air Heat Exchangers, Chillers, Exhaust Fans, Heaters, Hydrostats, & Thermostats. Carotek also provides sales, service, and spare parts for all your thermal management needs.



For more information on the following offerings, please reference the respective brochures.

PROCESS SKIDS

Integrated pre-piped and pre-wired process systems. Complete piping design, fabrication and Factory Acceptance Testing. Control Panel integration available.

ADDITIONAL PRODUCT LINES

- Instrumentation
- Valves
- Pumps
- Blowers
- Steam & Hydronics
- Heat Exchangers
- Filtration
- Control Panels

SERVICE & REPAIR

- Pump Repair
- Valve Automation
- Instrumentation Calibration
- System Start-Up
- Steam System Services
- Field Repair
- Training



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For Additional Information

Call **704.844.1100** or
Visit **carotek.com**

