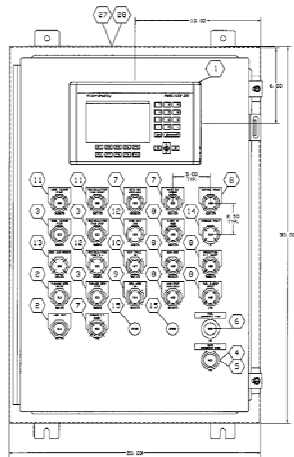




Automation Engineering Services

PCT Engineered Systems provides automation system engineering services to industrial and commercial businesses. We combine superior product and process knowledge with proven project methodology to offer a complete range of services from design to commissioning of automation projects.

PCT partners with the customer to deliver a wide range of value-added services unrivaled in the automation industry. The services range from project planning and budgeting to PLC systems to drive systems to installation and commissioning services.



Our team, with over 60 members, creates real-world solutions for all of your automation needs. We use a 14-step project methodology developed over 20 years of project experience and reinforced with CSIA and PMI processes and procedures. PCT has developed a customer base that extends across the U.S., North America, and the world.

We have developed long term strategic relationships with the major automation suppliers to provide you with the most cost effective source for a complete automation solution.

Services:

- Project justification, concept and specification development
- Project management services
- Automation control system design, programming and assembly
- Coordinated drive system development
- Operator interface programming
- Installation planning, supervision and labor
- On-site commissioning support
- System documentation and training
- Advanced SCADA applications
- Process data collection and exchange
- MES and plant operation systems
- Web portals and web-based process reporting



Control Systems

A solid foundation is important for any project. Our approach to automation begins with the development of a functional description. This important document guides the programming effort and is used for system acceptance. PCT leverages our standard PLC code library to maximize the efficiency of our programming. We support our customers through the specification and supply of all peripheral control devices. Our design staff develops complete electrical design packages and system documentation sets. When it is time to commission the system in your plant, PCT's programmer will be there to ensure that the system starts up smoothly.

HMI and SCADA

PCT also specializes in providing well conceived human machine interface (HMI) systems. Our work is driven by input from your operators. We are experienced in developing applications for machine operation and troubleshooting, recipe management (to reduce setup time and variation), production data tracking, and interfacing to enterprise software.

Drive Systems

Complex process lines benefit from the precise control that coordinated drive systems provide. PCT has applied our know how to develop web handling solutions for processes ranging from stretch film to steel. We have also provided product handling systems requiring several axes of coordinated motion. Our team excels in the design, programming, fabrication and commissioning of drive systems.

Team PCT

As part of Team PCT, our automation engineering group also has access to mechanical engineering and design, mechanical fabrication and panel assembly resources. The team has completed hundreds of successful projects which gives them practical experience developed on the plant floor to provide a complete solution.

PCT
Engineered Systems, LLC
The Solutions Team

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PLC Experience:

- Siemens
- Rockwell
- Reliance
- GE
- Parker-SSD (Eurotherm)

HMI Experience:

- Siemens
- Rockwell
- Citect
- Wonderware
- iFix

Drive Experience:

- Siemens
- Rockwell
- Parker-SSD (Eurotherm)
- ABB

SIEMENS



**Rockwell
Automation**

