

OUR SERVICES

- ▶ Automation Project Management
- ▶ Instrumentation Services
- ▶ Commissioning & Qualification (C&Q)
- ▶ Control Systems Integration
- ▶ Computer System Validation

OUR VISION

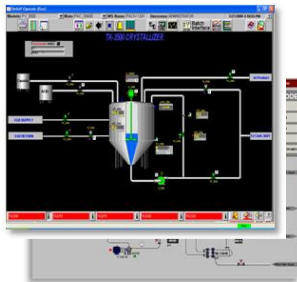
To be the preferred solution provider of our business partners' control system engineering needs.

CORE VALUES

- ▶ Excellence and innovation in all we do.
- ▶ Honesty and integrity are the foundation of who we are.
- ▶ Relentless commitment to serve is our way of life.
- ▶ Listen to our client's and associate's needs.
- ▶ We are a family; respect, loyalty and teamwork is our company culture.
- ▶ We are an integral part of the communities in which we live.

OUR MISSION

To be the best control system, instrumentation and compliance service firm by applying our unique combination of technical expertise and commitment culture. We will achieve unparalleled cost-effective and reliable solutions for our business partners while being a great company in which to work and a valuable corporate citizen to our communities.



CUSTOMER NEWSLETTER

total control systems engineering solutions

Interesting Facts...

Do you know who is considered the "Father" of the PLC? The father of the PLC is **Richard Morley**, however **Odo Struger** is the father of Allen-Bradley PLC and is credited with creating that acronym.



PROJECT NEWS

Recently Granted Projects

PUERTO RICO

- ▶ Leading soda beverage bottler company control system line (Rockwell 5/04)(Kister)
- ▶ DeltaV Control System Integration for PWEC System upgrade (DeltaV and Rockwell 5/04)
- ▶ PWEC System Computer System Validation (DeltaV and Rockwell 5/04)
- ▶ BMS Computer System Validation at major pharmaceutical plant (JCI)

UNITED STATES

- ▶ Control system integration and validation support for the Utilities building of a major pharmaceutical client.
- ▶ Instrumentation Procurement Services for a pharmaceutical parenteral expansion project
- ▶ Documentation support for a global quality system integration project at a major pharmaceutical industry client's corporate quality group.
- ▶ Kaizen Project participation to reduce the amount of secondary standard events and to appropriately identify the correct specifications for all instrument standards in an engineering and maintenance department. This project will focus on the entire calibration maintenance program for the site.

EUROPE

- ▶ Extension of Instrument Services Provider for C&Q activities at major pharmaceutical plant.



Recently Completed Projects

PUERTO RICO

- ▶ DeltaV Control System Installation, Integration and Validation
- ▶ DeltaV Control System Installation and Validation (C&Q), Pharmaceutical Chemical Plant

UNITED STATES

- ▶ Six Sigma Project focused on eliminating intrusive preventative maintenance that caused multiple shutdowns and interruptions to production. The benefit to the customer is less downtime caused by the scheduled maintenance, significant cost savings through a rationalized PM schedule and reduced labor cost.
- ▶ Electronic Management System migration of the entire control system and automation IT system validation packages for a pharmaceutical client's pilot plant and laboratory facility.
- ▶ Development of security plans, procedures and associated training required for the control systems at a pharmaceutical pilot plant facility to align them with the organization's regulatory requirements.



EUROPE

- ▶ Decommissioning support of various bottling lines (Siemens S300).
- ▶ Functional changes to control system to allow for additional adjustments to bottling line (Siemens S300).

General News

- ▶ Our ISP group is currently working on a pilot project with a client to execute receipt verification electronically. This is expected to increase the speed of the process and provide a seamless migration of project data into client's maintenance system.

VISIT OUR WEBSITE WWW.PACIV.COM

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