

Founded in 1999, PVI Systems, Inc. is a privately-owned engineering firm specializing in custom mechanical and electrical test and measurement systems as well as process and motion control systems for a variety of process levels in data acquisition and product life cycle management.

Our engineers are skilled at developing software architecture to system-level hardware design for research and development, process automation, and quality control applications. PVI Systems focuses on developing the most effective solutions for our clients to actualize their project goals.

Specializations

- Data Acquisition • Custom Databases
- Automated Test & Measurement
- Motion & Process Control
- Machine Vision
- Consulting Services • LabVIEW Training

Certifications

- 3 Certified LabVIEW Developers
- 2 Certified LabVIEW Associate Developers
- 1 Certified LabVIEW Architect
- 1 NI Certified Professional LabVIEW Instructor

What We Do

Software Development – We develop custom software solutions for data acquisition, machine vision, and process control applications using NI LabVIEW platform. We also developed Chameleon Software for turnkey data acquisition using NI PXI and Compact DAQ hardware platforms.

Hardware Design – We utilize NI hardware controllers and modules to custom design systems to support a variety of applications. We can also integrate other third party instruments or equipment such as PLCs, environmental chambers, and more to provide the best solution for the client's particular application needs.

Automation – We design real-time control of components such as pumps, robotic arms, and servo motors.

Differentiators:

- PVI Systems' experience engineering systems for companies from different industries such as aerospace/defense, general manufacturing, pharmaceutical/life sciences, energy, and more, allows us to draw on this knowledge to provide unique solutions to common and uncommon problems.
- We developed the Chameleon System, a powerful and flexible system for turnkey DAQ application needs.



Past Performances:

Medtronic – North Haven, CT; 2019 – Automated test & measurement system for medical device testing.

Avenger Aerospace – Greenville, NC; 2018 – Data acquisition system for measuring strain on Gulfstream airplane.

Exercise equipment manufacturer* – 2018-present (2 projects). Automated test & measurement systems for prototype products.

Major appliance manufacturer* – 2017 – Chameleon DAQ system for measuring temperature in R&D application.

Edgewell – Milford, CT and Knoxville, TN; 2012-present. Designed 6 machine vision systems to automate measurement of complex machined parts.

** Please note that we sign NDA agreements with many of our clients.*

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PSC Codes: AC31, AC32, AC35, AJ15
AN11, AR15, H270, H999

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