



The Leader in Automated Test, Data Acquisition and Control Systems



AEROSPACE



BATTERY



ELECTRONICS



ELECTRIC VEHICLES



POWER GRID

Your Integration Partner

As a Platinum Alliance partner of National Instruments, Bloomy provides a solutions strategy that brings new systems to market quickly, while expanding your in-house technical capabilities to maintain and extend the systems we deploy. We ensure your success by combining commercial, off-the-shelf hardware and software from National Instruments (NI) by using our standard designs, world class engineering practices and training, to expedite development and maximize long term value.

Bloomy has more than 25 years of experience developing NI-based systems using LabVIEW, TestStand, PXI, DAQ, RIO, and SCXI. When off-the-shelf products are not available, we utilize our electronic design and manufacturing expertise to provide custom electronics to fulfill special requirements. Our standard hardware, software, and system designs, considered the best in the industry, reduce lead times and increase quality, thereby deploying your system faster and with lower risk.

The Bloomy team has more than 20 NI certified developers and architects, the most NI certified architects in the world. We set the industry standard in best practices for LabVIEW software development by publishing our coding standards in The LabVIEW Style Book (© 2007, Prentice Hall) and were awarded “Most Outstanding Technical Resources – Platinum” by NI. Grow your in-house expertise with hands-on training at our three NI certified training centers in CT, MA, and NJ, or onsite at your facility.

Recognized industry experts in:

- Turnkey ATE, data acquisition, and control
- LabVIEW and TestStand best practices
- NI PXI, DAQ, and RIO hardware
- Custom electronic design
- Battery, BMS, and power quality
- Enterprise automation solutions



Windsor, CT
860-298-9925

Marlborough, MA
508-281-8288

Paramus, NJ
201-773-9115

More than a quarter century of success!

For more than 25 years, Bloomy has been a member of the National Instruments Alliance Program and achieved Platinum status, the programs highest level, in 2012. We are also designated as a NI Embedded Specialty, Vision Specialty and Hardware-In-the-Loop Specialty Alliance Partner.

TURNKEY SYSTEMS

- Automated test equipment (ATE)
- PCB functional test
- Comprehensive manufacturing test
- Embedded control
- High-channel-count data acquisition
- Vision inspection
- Distributed monitoring and test
- Robotic pick and place testing

SOFTWARE DEVELOPMENT

- LabVIEW / Real Time / FPGA
- LabVIEW Object Oriented
- TestStand
- Source code control
- Configuration management
- C#/C++ , .NET
- LabWindows/CVI
- Database SQL

ELECTRONIC DESIGN

- PCB layout, design and fabrication
- Custom data acquisition
- Microprocessor firmware
- Custom NI C-series modules
- Wired and wireless communication
- ESD safe facility
- Regulatory compliance – UL, CE, CC, RoHS, and ITAR
- Mechanical design

ELECTRONIC MANUFACTURING

- Assembly
- Analog and digital circuits
- Cable assemblies
- Electronic test fixtures
- IPC-A-610
- IPC-A-620
- J-STD-001

AUTOMATION STRATEGY

- Specification development
- Requirements tracking
- Code evaluation
- Software reuse
- Configurable platforms
- Validation and verification
- Hands-on training led by experienced engineers
- NI Certified Training Centers in CT, MA, and NJ; on-site training available

PRODUCTS

- Electronics Functional Test Platforms: UTS, cUTS, xUTS
- BMS Test Platforms: Battery Simulation, HIL, Validation, Manufacturing Test
- EnergyMAX™
- MIL-STD-1553B C Series Module
- Centrifuge Data Acquisition
- Energy Storage Performance Test
- Mixed-Signal Battery Test



Call 860-298-9925 or visit
www.bloomy.com