Acadia Cyber Solutions

Revolutionizing the way our clients use data by creating and managing new technologies such as unbreakable security and the fastest available network interfaces.

Capabilities Summary

For over 17 years, Acadia has been developing and integrating advanced technologies to produce the ultimate in high performance information systems.

We create, integrate, and manage the fastest and most secure information systems in the Federal Government's civilian sector. Since 1996, Acadia has been pushing the envelope of IT innovation. Our engineering-driven culture has achieved numerous successes for our clients in areas including:

High Performance Information Systems:
- Architecture design and migration planning
- Custom platform development
- Procurement and integration
- Testing, debugging, and support
- Optimization for high performance multicore and network systems

Cybersecurity:
- Security analysis, measurements, and certifications.
- Security gateways incorporating high throughput encryption, AAA, and intrusion detection.
- COTS and custom hardware/firmware/software integration for peak performance

Project Management:
- Delivered over 25 programs on-time, on-budget while overcoming the challenges of sourcing technology from over a dozen countries.
- Broadly integrated development environment to shorten the gap between design innovation and technological reality.
- Numerous activities successfully coordinated with:
  - Lawrence Berkeley National Lab
  - Oak Ridge National Lab
  - Commercial partners

Past Performance

DOE
- 100 Gb/s Ethernet network interface controller
- Secure network interface
- Content management systems and collaboration environments

DARPA
- Optical network testbed program
- Display and visualization technologies
- Quantum key distribution systems

NIST
- Oversee Synchrotron Ultraviolet Research Facility
- Manage industry partnerships

Contract Vehicles
- SBA 8(a) certified
- FAA eFAST

Technical Achievements

First 100 Gb/s Ethernet network interface controller

Quantum cryptographic data transmission at record rates