

DATA CENTER INSTRUMENTATION & CONTROLS

Focused on Uptime, Efficiency, and Long-Term Management



Affinity Energy's dedicated professionals are fluent in the language of data center infrastructure and have a diverse portfolio of more than 2+ GW of power and energy projects successfully completed.

Our high degree of expertise and focus on instrumentation controls for data centers means we're able to develop systems that provide operators with advanced monitoring capabilities, fault detection, diagnostics, and high-performance trending to allow maximum reliability and visibility to allocate or manage energy costs.

BENEFITS TO YOU

Affinity Energy designs systems that **maximize** uptime by identifying abnormalities, equipment problems, capacity concerns, and power quality issues that can lead to premature equipment failure. This visibility into the electrical distribution system also helps data center owners and operators **prioritize and optimize** equipment maintenance and testing.

Our customized systems help you:

- » Reduce maintenance costs by proactively alerting you to abnormal conditions
- » Make decisions quicker by providing context and employing situational awareness strategies
- » Optimize facility operation by trending and analyzing thousands of data points



"I am always on edge when we're doing UPS maintenance and running on generators. Affinity Energy's SCADA provides such a great view into all of our critical systems. I appreciate their team's flexibility and professionalism."

-Data Center Operations Manager,
DC BLOX, LLC

AT A GLANCE

2+ GW of Power and Energy projects

Turnkey solutions

Key performance indicators (KPIs) and benchmarking

Emergency power system testing automation

Text/email of alarms & events

3-year service warranty

Redundancy options

Minority business certified

Small business certified

FOR MORE INFORMATION, CONTACT

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FLEXIBLE & SCALABLE

At Affinity Energy, we understand the need for rapid and flexible deployment of enterprise controls and data management systems. Our experts leverage object-oriented technologies to support an agile, dynamic design and build process that allows for standardization and cost benefits resulting from economies of scale. Efficient, long-term management can be challenging for a growing organization. We build intelligent systems to deliver the information you need, regardless of size.

We can provide a full turnkey or customized solution as needed, including but not limited to:

- » Design/Architecture
- » Instrumentation and Controls Specification
- » OEM Coordination
- » SCADA, PLC, and RTU Programming
- » Support and Emergency Field Services
- » Wired/Wireless Network Design, Setup, and Programming
- » Data Acquisition
- » Commissioning
- » Maintenance/Repairs
- » Upgrades



ABOUT AFFINITY ENERGY

Affinity Energy is a vendor-neutral control systems integrator with over 4+ GW of renewable projects, 2+ GW of power and energy projects, and 1+ GW of PV+BESS projects completed. The company helps customers throughout the U.S. operate efficiently, safely, and reliably. Founded in 2002, Affinity Energy is headquartered in Charlotte, North Carolina.

DATA CENTER PROJECTS

Bank of America

- Charlotte, NC
- Greensboro, NC

DC BLOX

- Chattanooga, TN
- Huntsville, AL
- Birmingham, AL
- Atlanta, GA
- Myrtle Beach, SC

EDS

Charlotte, NC

NetApp

Research Triangle Park, NC

Quality Technology Services

- Atlanta, GA
- Suwanee, GA
- Richmond, VA
- Santa Clara, CA

Verizon

- Ashburn, VA
- Greenville, SC

Wells Fargo

Charlotte, NC

Wipro

Kings Mountain, NC

Xerox

Charlotte, NC

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