



MEDICAL CAMPUS CUP CONTROLS & INSTRUMENTATION

Focused on efficiency, uptime, and long-term management

Affinity Energy's dedicated professionals are fluent in the language of medical campus central utility plant environments and have a diversified portfolio of >450 mission critical projects, including CUP projects for campuses that have up to 1,132 beds.

Our high degree of focus on controls and instrumentation for medical campus central utility plants means we're able to develop systems that meet strict Joint Commission and NFPA requirements and ensure efficient management of power, emergency power, chilled water, and steam.

AT A GLANCE

- >450 mission critical projects
- Turnkey or a la carte solutions
- CUP key performance indicators (KPIs) and benchmarking
- Scalable and flexible
- Emergency power system testing automation and Joint Commission reporting
- Text/email alarming of events
- 3-year service warranty including 24/7/365 support
- Redundancy options
- Minority business certified
- Small business certified



MEET OPERATIONAL REQUIREMENTS

We're committed to help you meet contractual and operational requirements while maximizing short and long term medical campus interests.

Our customized systems help you:

- Reduce maintenance costs by using condition-based strategies.
- Minimize the risk of unplanned downtime by proactively addressing issues.
- Optimize facility operation by trending and analyzing hundreds of data points associated with chillers, boilers, generators, fuel systems, transfer switches, and electrical switchgear.



Allan Evora, President

aevora@affinityenergy.com | 704.766.2060 x110
11900 Sam Roper Dr. Charlotte, NC 28269



SOLUTIONS FOR MEDICAL CAMPUS CUPs

—SCADA— *Optimize your plant*

Crafted from industrial-grade software and hardware components, Affinity Energy SCADA systems help you understand both the high-level and granular status of your plant and equipment.

- Custom reports on energy production key performance indicators (KPIs)
- In-depth system control, management, and real-time monitoring
- Alarm notification, data storage, trending

—PLC— *Control and flexibility*

Affinity Energy's industrial hardened programmable logic controller expertise includes transfer schemes, energy curtailment, load shed, active power management, motor controls, and application-specific controls for motors, circuit breakers, transformers, inverters, generators, and battery systems.

- Flexible, scalable, redundant, and reliable
- Control panel design, programming, field installation, commissioning, and support

—EPMS— *Manage emergency power*

Affinity Energy's turnkey electrical power management systems allow you to identify costly problems, reduce operating expenses, and streamline maintenance activities.

- Quickly assess/respond to abnormal conditions such as sags, swells, unbalance, and faults
- Automate emergency power system tests; reducing time associated with manual records
- Use sequence of events diagnostics to root cause disturbances

—SUBMETERING— *Measure and contain resources*

Helping you manage demand to avoid cost spikes, Affinity Energy designs and installs industrial instrumentation to measure water, fuels, steam, BTUs, and compressed air.

- Allocate electrical costs by system or process
- Analyze and verify electric bills
- Retrofit electro-mechanical submeters or relays with digital intelligent electronic devices

MEDICAL CAMPUS PROJECTS

CHS CMC, NC
CHS Northeast, NC
CHS Pineville, NC
Gaston Memorial Hosp., NC
Jefferson Memorial Hosp., TN
Lee County VA Healthcare Sys., FL
Lexington Medical Ctr., SC
MD Anderson Cancer Ctr., TX
Midland Memorial Hosp., TX
Rockdale Medical Ctr., GA
Rogue Valley Medical Ctr., OR
Rush University Medical Ctr., IL
SE Alabama Medical Ctr., AL
University of Virginia Hosp., VA
Wesley Long Hosp., NC
Woman's Hosp., LA

"What keeps me up at night? Worrying about keeping our facility running reliably, safely, and efficiently. Knowing I can rely on alerts from our SCADA system designed and installed by Affinity Energy helps me rest easy."

-Alex DiGiacomo, Maintenance Supervisor,
University of Virginia Health System

FLEXIBLE, CUSTOMIZABLE, & TURNKEY

Efficient, long-term management can be challenging for growing medical campuses. We build intelligent systems to deliver the information you need to operate efficiently, regardless of size. Affinity Energy's control systems are engineered with a consistent look and feel to be scalable from a single boiler to dozens of power, emergency power, chilled water, and steam components.

Depending on your needs, we have the capacity to serve a full turnkey solution, or a la carte services as needed, including, but not limited to:

- System installation
- Design/architecture
- Commissioning
- Programming
- Testing
- OEM coordination
- Training personnel
- Engineering
- Emergency field services
- Instrumentation and controls specification
- Low-voltage cable installation and termination
- Maintenance/repairs
- Upgrades
- Data acquisition
- Wired/wireless network design, setup, and programming

CUSTOMER REFERENCES

Director/Sr. Service Leader
Carolinas Healthcare System
(Contact info by request)

ABOUT AFFINITY ENERGY

Affinity Energy is a vendor-neutral control systems integrator with a national portfolio of over 800 power automation projects. The company helps customers throughout the U.S. operate efficiently, safely and, reliably. Founded in 2002, Affinity Energy is headquartered in Charlotte, NC.