

# MEDICAL CAMPUS INSTRUMENTATION & CONTROLS

Focused on Uptime, Efficiency, 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 more than 2+ GW of power and energy projects successfully completed, 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 other utility resources.

## BENEFITS TO YOU

Affinity Energy designs SCADA systems that help **control** electrical loads and **identify** power quality problems that can lead to abnormally high bills or additional manufacturing costs.

Our systems gather the data that makes it possible to **identify** abnormalities and **minimize** the risk of unplanned downtime by proactively addressing issues.

We **optimize** facility operation by trending and analyzing hundreds of data points associated with chillers, boilers, generators, fuel systems, transfer switches, and electrical switchgear.

We **manage** operational energy costs by allocating costs to various equipment and processes and receive process/equipment-specific strategies. The result is increased electricity quality with less consumption and cost.

Because we're an open systems integrator, we're prepared to design a **customized** solution that meets your environment's unique production, efficiency, safety, and ROI goals.



**"W**hat 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."

-Maintenance Supervisor  
University of Virginia Health System

## 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 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.*

## HEALTHCARE PROJECTS

### Atrium Health

- Charlotte, NC
- Concord, NC
- Pineville, NC

### Gaston Memorial Hospital, NC

### Jefferson Memorial Hospital, TN

### Lee County VA Hospital, FL

### Lexington Medical Center, SC

### MD Anderson Cancer Center, TX

### Midlands Memorial Hospital, TX

### Novant Health

- Charlotte, NC
- Matthews, NC
- Huntersville, NC

### Rockdale Medical Center, GA

### Rogue Valley Medical Center, OR

### Rush University Medical Center, IL

### SE Alabama Medical Center, AL

### University of Virginia Hospital, VA

### Wesley Long Hospital, NC

### Woman's Hospital, LA

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