



C2i, Inc.
Powering Tomorrow with
American-Made Innovation



INTRODUCTION

About Us

C2i, Inc. delivers American-made transformers designed to meet the evolving needs of today's power systems. Offering both standard and AI-enabled options, our transformers provide dependable performance along with advanced monitoring capabilities for voltage, temperature, and system health. With a focus on quality manufacturing, timely delivery, and long-lasting durability, we supply solutions that you can trust. From three-phase pad-mounted compartmental units to single-phase overhead designs, our products are built to support everything from new installations to critical upgrades. Backed by expertise and a commitment to service, C2i, Inc. ensures reliable power solutions that keep projects and communities running smoothly.



Smart Monitoring

—
Advanced monitoring for
improved system health



Advanced Insight

—
Unlock real-time data to
inform proactive
decision-making



Efficiency Optimization

—
Maximizes performance
and minimizes costs



Why Choose Us

C2i, Inc. is driven by a commitment to reliability and forward-thinking solutions, delivering transformers that consistently perform beyond expectations. By combining advanced technology with trusted manufacturing practices, we provide power systems tailored to the unique needs of each customer.

Our Distinction



Innovation & Technology

Smarter solutions powered by advanced technology



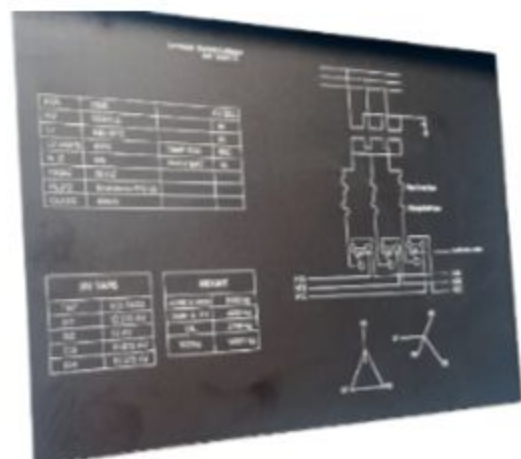
Reliability & Performance

Engineered for consistent, long-lasting performance



Partnership & Support

Trusted partners with dedicated customer support





ABOUT OUR MANUFACTURING PARTNER

Smart Monitoring for Smarter Grids

Our manufacturing partner is leading innovation in transformer monitoring and management through advanced SCADA systems. Powered by a state-of-the-art Central Processing Unit (CPU), these solutions help organizations boost operational efficiency, optimize performance, and reduce downtime. Designed to meet the demands of today's grid, this cutting-edge technology delivers real-time insights and automation-empowering teams to take proactive control of transformer health and reliability.

Core Functionalities

Advanced Load Capabilities

Continuously monitor input voltage and current to evaluate load conditions, ensuring transformers maintain peak efficiency across fluctuating operational demands.

Innovative Oil & Gas Analysis

Gain insights through real-time oil diagnostics-performed while transformers remain energized. This reveals key indicators such as voltage breakdown, power factor shifts, acidity levels, and moisture content, empowering smarter maintenance and informed decision-making

Smart Tap Changer Status

Remotely monitor and manage tap changer operations with speed and precision-empowering agile voltage control and enhanced system adaptability.

Precision Temperature Sensing

Achieve exceptional accuracy in monitoring winding and oil temperatures. Detect thermal differentials between the core and surface of the tank, and apply infrared mapping to enable proactive asset condition tracking



Comprehensive Pressure Monitoring

The CPU continuously monitors internal pressure levels, detecting abnormal fluctuations and instantly notifying operations of conditions that demand attention.

Efficient Cooling System

Advanced cooling system eliminates the need for traditional radiators, dramatically reducing oil tank footprint without compromising performance. This innovation enables us to confidently offer a 3-year warranty across all transformer units with the option of a 7-year warranty.

Custom Hardware Capabilities

Gen 4 CPUs support on-site deployment of multiple FR-powered cameras, fully integrated with SCADA interface. Equipped with advanced object detection, these cameras enhance security by triggering alerts when anomalies are detected.

Intelligent Cooling System Management

The CPU autonomously governs the cooling system, capturing real-time data on transformer performance. By analyzing temperature trends, it ensures optimal thermal regulation across individual units and coordinated systems operating under similar load and environmental conditions.

Robust Communication Protocol

The CPUs (Gen 1-3) feature integrated Ethernet DataLink for stable connectivity. Gen 4 introduces SDR and amplifiers, enabling 3 Mbps transmission up to 50 km-ensuring long-range, high-integrity data flow.



Our manufacturing partner's integrated systems provide exceptional visibility, robust control, and dependable performance across operations. By combining advanced monitoring technology with intuitive management platforms, these solutions enable proactive oversight and efficient resource allocation. With predictive maintenance and automated alerts built in, organizations can reduce downtime and maximize productivity with confidence.



Global Reach in Transformer Technology

Our manufacturing partner is at the forefront of energy innovation, delivering advanced transformer technologies that support clients across a wide range of industries—from government agencies to international utilities and solar developers. Their portfolio includes energized power transformers and a diverse selection of pad-mounted units, deployed in strategic locations across the United States, Nigeria, Ghana, South Africa, Egypt, and the Benin Republic.

Primary Clients:

- Department of Energy (United States)
 - Solar Developers (Worldwide)
- Utility Companies (Worldwide)
- Emergency Power Developers

Energized Power Transformers:

- Total Units: 10

Energized Pad Mount Transformers:

- Single-Phase Pad Mount Transformers: 85
- Three-Phase Pad Mount Transformers: 22

Energized Transformers Locations:

- United States
- Ghana
- Egypt
- Nigeria
- South Africa
- Benin Republic

Designed Transformers:

- Substation Transformers: 1,200
- Power transformers Over 50 MVA: 4,300



Contact Us



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