

Software for the grid of the future

Camus Energy's grid management platform provides industry-leading scalability, reliability, and intelligence to empower grid operators and energy providers to lead the energy transition.

Community-led grid management.

The grid is changing rapidly, and traditional tools will soon fail to manage it. Camus developed a next generation energy management platform that enables the enhanced real-time grid visibility, forecasting and procurement coordination, and advanced control that grid operators need to successfully navigate a zero-carbon grid.

The grid today is far from simple. And due to increasing renewable penetration, advancing building and vehicle electrification, a growing number of distributed energy resources, it's only getting more complex. Through our state-of-the-art software platform, we strive to empower utilities and energy providers to address the challenges of today while laying the foundation for tomorrow.



Enhance grid visibility and control



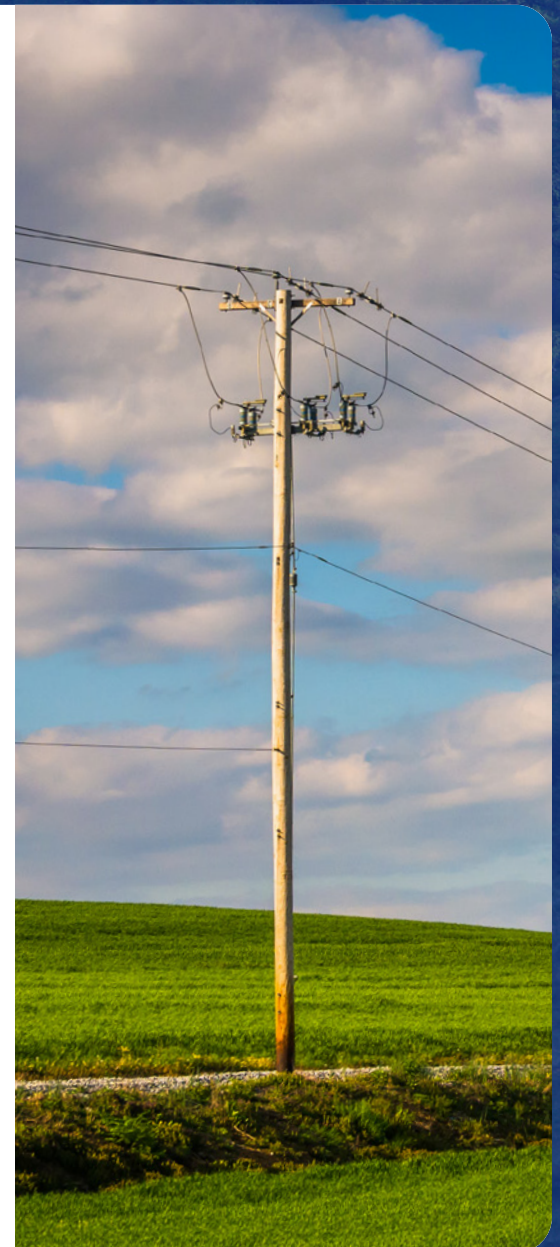
Integrate low-cost renewables



Unlock the value of local resources



Strengthen grid asset cybersecurity



GRID VISIBILITY

State-of-the-art visibility and optimization.

Providing grid operators and load serving entities with advanced situational awareness, insight, and control, Camus' platform empowers industry leaders to safely and efficiently manage a rapidly changing grid environment.



Unparalleled situational awareness with real-time analytics.

- Through our integrative dashboard, aggregate data from multiple sources to create a robust, multi-dimensional view of current and near-future grid conditions.
- Leverage real-time monitoring of local resources and demand to gain high quality insights and optimize operations.



Advanced forecasting and coordination.

- Our orchestration engine enables grid operators to choreograph both centralized and distributed energy resources to achieve system-level outcomes.
- Easily model local resources alongside market-procured power to inform procurement, improve scheduling coordination, and maximize capacity for flexibility services.



Maximization of local resources.

- Via our grid-edge markets platform, create local markets from distributed energy resources and seamlessly coordinate them with wholesale markets.
- Leverage local resources for grid services such as load shifting or voltage support by providing incentives and market-based payments to community members.

CASE STUDY

Driving \$10M+ annual savings and 100% solar with enhanced visibility and control.

When Kit Carson Electric Cooperative (KCEC) announced the ambitious goal of achieving 100% daytime solar by the end of 2022, CEO Luis A. Reyes, Jr. knew he needed to improve visibility and control over his grid assets to effectively scale up renewable capacity.

Camus Energy's grid management platform gave KCEC an integrated system view that allows the KCEC team to understand power flows both in front of and behind-the meter while using third-party telemetry to build a complete picture of grid conditions.

With the help of Camus' software, KCEC expects to reach its 100% daytime solar goal six months ahead of schedule. By then, the cooperative will have reduced its energy supply costs from 9.5 to 4.5 cents per kilowatt-hour (kWh), which translates to \$10 million in annual savings.



"Camus' platform gives us the ability to change when our members want change."

Luis A. Reyes, Jr.
CEO, Kit Carson Electric Cooperative

Kit Carson Electric Cooperative (KCEC) is a member-owned Electric Distribution Cooperative in northeastern New Mexico serving Taos, Colfax, and Rio Arriba Counties since 1944. KCEC serves over 30,000 meters, including 25,000 residential customers.





APPROACH

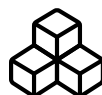
We start by integrating data using a methodology that is scalable and secure.



Zero-Trust Cybersecurity

Protect your critical infrastructure from attackers with Zero Trust cybersecurity. A Zero Trust model authenticates each user or subsystem through multi-channel mechanisms, such as two-factor authentication, and provides explicit access to only a limited set of systems.

This end-to-end security approach better protects your infrastructure than relying solely upon a firewall or VPN to keep bad actors out, while leaving internal services exposed to those inside the security boundary.



Grid Management-as-a-Service (GMaaS)

GMaaS offers a radically different approach that can unleash the full potential of local resources. Rapid integration between data sources and tools can enable operations managers to rely on a unified interface for both real-time monitoring and near-term predictive state estimation.

The open source foundation allows for DER vendors to design new solutions to work with the software platform from day one with forward compatibility and full flexibility. The presence of robust real-time situational awareness makes it possible to embrace and choose local resources as the preferred tools -- using local energy procurement, retail programs, incentives, or markets as mechanisms for actively engaging community members.

TEAM

Software experts for a distributed grid.

Camus' founders and partners leverage deep experience designing and operating distributed systems in other industries – including the founders' pioneering work building Google's high reliability computing platform – to provide high-performance, low-complexity management for the distribution grid.

We're skilled in thinking about systems as a whole, as well as all the parts, to develop world-class tools for operators. Expertise in distributed systems development, power modeling, high scale monitoring, big data analytics, distributed telemetry, software load control, systems reliability, power software systems, and utility business models.



Astrid Atkinson

CEO

- ✓ Google Sr. Director
- ✓ Pioneered & scaled Google's reliability approach



Cody Smith

CTO

- ✓ Google Principal Systems Engineer
- ✓ Tech Lead for Site Reliability



Michael Ryan

COO

- ✓ GE Power, BD Biosciences, NetApp
- ✓ Enterprise IoT and data integration



Start your transformation today.

Camus Energy is building an open source software platform to enable the future Distribution Service Operator (DSO). Providing grid operators and load serving entities with advanced situational awareness, insight, and control, Camus' platform empowers industry leaders to safely and strategically manage a rapidly changing grid environment.

info@camus.energy
1333 Minna, San Francisco, CA 94103