



# POWERING THROUGH CHALLENGES: INNOVATIVE ENERGY SOLUTIONS

The increasing frequency of power disruptions has driven businesses across industries to explore solutions for uninterrupted power, reducing grid dependence, and enhancing energy resilience. As organizations face growing pressure to maintain continuous operations, these solutions are becoming vital in ensuring stability and reducing operational risks. From healthcare and data centers to manufacturing and commercial buildings, the demand for efficient energy management, microgrids, and energy storage has never been higher. RTM Engineering Consultants, with our expertise in delivering customized solutions, helps organizations optimize energy usage while minimizing their environmental impact.

## ENERGY EFFICIENCY: REDUCING GRID DEPENDENCE

Energy efficiency is a core strategy in reducing grid reliance, enabling buildings—from hospitals and office complexes to manufacturing plants—to manage energy consumption more effectively, especially during power disruptions. Smart HVAC systems, LED lighting, and advanced sensors help minimize energy waste by adjusting to occupancy and environmental conditions. Energy Management Systems (EMS) ensure that these operations remain efficient, even when grid power becomes unstable. By focusing on energy efficiency, businesses not only reduce their operational costs but also contribute to environmental goals, such as reducing carbon emissions, while preparing for power outages and fostering a more sustainable energy future.

## MICROGRIDS: INDEPENDENT POWER SOLUTIONS

Microgrids allow for local power generation and distribution, helping facilities run on their own during power outages. By using renewable energy like solar, wind, and natural gas, microgrids make sure important operations keep running, even during long power cuts. This is especially important for sectors like healthcare and data centers, where reliable power is essential. Microgrids also reduce reliance on the main power grid by producing and storing energy locally, ensuring businesses stay up and running. They also support sustainability by cutting carbon emissions, using less fossil fuel, and promoting green energy. Additionally, microgrids provide a cost-effective solution by reducing energy costs and improving energy efficiency for businesses.



OFFICES COAST TO COAST & LICENSED IN ALL 50 STATES





## REYES DISTRIBUTION CENTER ENERGY-EFFICIENT ELEMENTS | FRESNO, CA

RTM's team provided MEP engineering design for an approximately 210,000-square-foot distribution facility, including a two-story main office, receiving office, truck maintenance office, repair facility, wash bay, and warehouse. The facility features energy-efficient elements like rooftop solar panels, skylights, and EV charging stations for the Reyes truck fleet. Our team optimized the design to maximize energy efficiency, reducing both environmental impact and operational costs.

## LECONTE BATTERY ENERGY STORAGE SYSTEM BESS | CALEXICO, CA

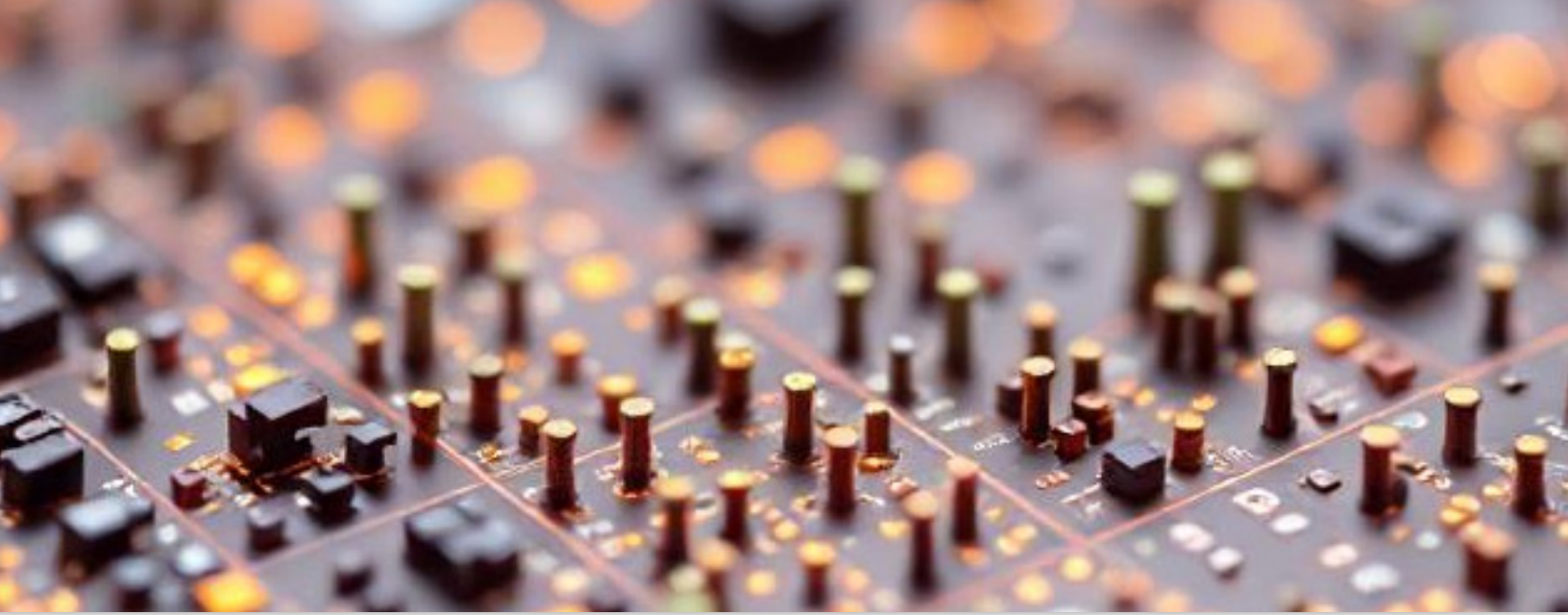
RTM provided electrical engineering services for the 125MW / 250 MWh LeConte Battery Energy Storage System containing 2 acres of batteries. The team's expertise played a critical role in the design and implementation of the project, ensuring that all technical and regulatory requirements were met. The successful completion of this energy storage project marked a significant step forward in building a more resilient and sustainable energy grid.

## CAMBRIDGE SKILLED NURSING FACILITIES MICROGRIDS | CA

RTM provided a CHP/Engine generator to power the multiple sites in compliance to regulations, replacing the existing main service, and coordinating with the local utility for the service replacement. Our team installed new electrical distribution, including microgrid gears, ATS switches, and E-power distribution boards. The projects are aimed to prevent disruptions to existing branch circuits and avoid non-compliant code issues.







## MEET OUR EXPERT IN MICROGRID DESIGN

Rocky Tanner, Principal, is an accomplished electrical engineer specializing in microgrid design and implementation. He has a strong background in developing innovative, sustainable energy solutions for a variety of markets, including data centers, healthcare facilities, and urban infrastructure. Rocky's expertise lies in integrating renewable energy sources, optimizing energy efficiency, and ensuring reliable power distribution through advanced microgrid systems. His collaborative approach and technical skills have made him a trusted partner for clients seeking to enhance their energy resilience through cutting-edge microgrid technology.

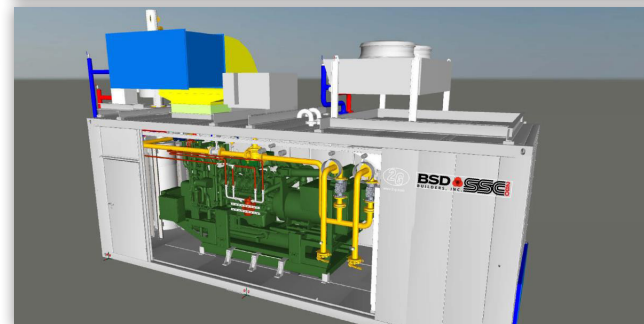


William "Rocky" Tanner, P.E.  
Principal

*35+ years of experience in electrical engineering and power distribution.*

RTM has extensive experience in microgrid design, delivering tailored solutions to our clients. Recent microgrid projects include:

- The Ensign Group, Inc. | Skilled Nursing Facilities | 5 Sites in Northern California
- Cambridge | Skilled Nursing Facilities | 32 Sites in California
- Scripps Hillcrest Hospital | San Diego, California



NATIONAL RESOURCES, LOCAL RELATIONSHIPS

[rtmec.com](http://rtmec.com)