COLITE TECHNOLOGIES

Company Profile

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Introduction

Founded in 2018, Colite Technologies is dedicated to helping commercial and industrial customers incorporate sustainable energy solutions into their operations. The company began with an idea to power exterior monument signage with renewable energy and has since expanded into its own unique portfolio of commercial and industrial solar PV systems, off-grid renewable energy powered lighting systems, and LED retrofit services. Our solutions drive businesses across the nation to improve energy efficiency, minimize carbon footprints, and increase energy resilience. All of our projects are fully turn-key and designed, engineered and installed by Colite Technologies' in-house team from our headquarters in Columbia, South Carolina.

From initial engineering design to final installation, Colite Technologies handles every step with professionalism and expertise. Our diverse team brings extensive industry knowledge to the table and analyzes every detail to offer a custom, innovative solution that meets your specific needs. The team's emphasis on clear and transparent communication ensures that each stakeholder's expectations are met, and that the project progresses smoothly. We also maintain a strong network of partners, suppliers, and vendors to support our objective.

Colite Technologies' mission is to deliver reliable energy efficiency and renewable power products for a more sustainable future. As renewable energy technologies continue to evolve and improve, our team will be at the forefront of advancing cleaner, more efficient solutions for businesses looking to bring a positive impact to their community.

Company Information

- South Carolina Limited Liability Company
- Headquarters in Columbia, SC
- Solar EPC developer
- SEIA member company
- NABCEP certified team members
  - PV Associate
  - PV Technical Sales Professional
  - PV Design Specialist
  - PV Installation Professional
- USGBC LEED GA certified team members
- Dun & Bradstreet D-U-N-S Number: 116940096
- Better Business Bureau A+ rating
- NAICS codes:
  - 221114 Solar Electric Power Generation
  - 335139 Electric Lamp Bulb and Other Lighting Equipment Manufacturing
- Licenses in key states

State	License(s)
National	NASCLA Accredited Commercial General Building Contractor
Alabama	Professional Engineer #PE53779 Electrical Contractor #07713 Solar Contractor #58519
Delaware	Master Electrician #T1-0016684 Electrical Contractor #DE-2023-000009237
Florida	Electrical Contractor #EC13011390
Georgia	Professional Engineer #PE051285 Electrical Contractor #EN218255
Kentucky	Electrical Contractor #CE66216 Master Electrician #ME66090
Mississippi	Electrical Contractor #25547-MC
North Carolina	Professional Engineer #057583 Electrical Contractor #U.31682
South Carolina	Electrical Contractor #CLM.116923 Master Electrician #008120315 General Contractor #CLG.125370
Tennessee	Electrical Contractor #79683
Texas	Master Electrician #581180
Virginia	Master Electrician #2710075757 Alternative Energy Systems Contractor #2705186016
Washington DC	Master Electrician #EM40000452
West Virginia	Master Electrician #M1802JDRENC0921

Leadership

Kevin O'Hara
Founder, President & CEO
NABCEP PV Associate

Kevin O'Hara is one of the founding members of Colite Technologies and directs overall business operations as the President and CEO. His background in the power generation industry is anchored in a deep understanding of electrical grid networks and distributed renewable technologies. He has held executive-level positions leading global teams through aggressive business growth, focusing on strategic planning, business analysis, and market research. Kevin's entrepreneurial spirit challenges our team to stay up to date with industry movement and continuously improve our products, methods, and services.

Arash Anzalchi, PhD, PE
Director of Engineering
NABCEP PV Installation, NABCEP PV Design

Dr. Arash Anzalchi joined Colite Technologies in January 2018 and has been instrumental in the company's portfolio expansion. He has over 10 years of hands-on experience with solution development, evaluation, design, implementation, and advisory service in the renewable energy and electric power industries. He received his Ph.D. in Electrical Engineering from Florida International University (FIU) specializing in the integration of advanced renewable energy solutions to the grid. Arash leads the engineering team and is our in-house licensed Professional Engineer.

Jeff Phelan
Executive Vice President of Operations
NABCEP PV Associate

Jeff Phelan joined Colite Technologies in January 2023 and is responsible for overseeing all aspects of operations including job estimation, engineering, procurement, field installation and project management. He has over 30 years of experience in electrical distribution and critical power services across multiple functional areas. He applies his experience in leading multidisciplinary teams to deliver projects on time and on budget to produce profitable company growth, returning value to customers and shareholders.

Jason T. Davis
Project Superintendent and Electrical Qualifier
Master Electrician, NABCEP PV Associate

With over 25 years of career experience, Jason holds several electrical contractor and master electrical licenses, awards, and achievements. Jason's vast electrical knowledge spans commercial and industrial power quality analysis, medium voltage applications, and solar installation. He also supported the U.S. military in Operation Iraq Freedom for two years, ensuring proper electrical grounding and bonding throughout the Middle East. He served in U.S. Naval Construction Battalion NMCB 133 as a construction electrician.

Wyatt Gould
Director of Project Operations

Wyatt Gould was integral to Colite Technologies' first pursuit into commercial rooftop solar in 2019. He leads the project operations team with an acute understanding of manufacturing processes, supply chain logistics, and budget management for all products in the company's portfolio. Additionally, he manages the operations and maintenance team to ensure all installed systems are functioning correctly and efficiently.

Matt Winter
Director of Estimation & Contracts
NABCEP PV Technical Sales, LEED GA

Prior to joining Colite Technologies in 2020, Matt Winter worked in the residential solar sector designing and installing solar PV systems for nearly 10 years. Since switching to the commercial and industrial sector, his wide range of field-based industry knowledge has guided Colite Technologies' equipment selection and estimation methods. Matt also expertly navigates communications between the team and customers to maintain realistic and achievable project expectations.

Core Competencies

Project Evaluation

Colite Technologies carefully evaluates each potential project location for product feasibility. While renewable energy is an abundant resource in most areas, there are some natural limitations that may prevent a project from moving forward. Our team considers existing infrastructure, shading impacts from the surrounding topography, local weather conditions, and any potential risks before proposing a solution.

Engineering Design

Our in-house engineering team works within the parameters of your budget, jurisdictional authorities, and local utilities to design a system that meets your goals. Whether an off-grid renewable lighting system or a rooftop solar system, each design considers the unique properties of the application and incorporates the necessary adjustments to develop a reliable system. Colite Technologies' engineering team boasts NABCEP PV Design and PV Installation certifications and are able to offer expert insight from beginning to end.

Project Management

The project management team works with individual AHJs to obtain the required permits for every project. All necessary licenses, qualifications, and inspections are coordinated with the team for consistent documentation and streamlined application processing. Our experienced project managers are familiar with the ins and outs of the permitting process across multiple states and our in-house qualifiers support the team's efforts.

Material Selection and Procurement

Colite Technologies' operations team is responsible for analyzing and sourcing the components identified by the engineering team during the design phase. Every project utilizes industry leading equipment that has been field-tested in various environmental conditions. We leverage our direct relationships with suppliers, vendors, and logistics partners to secure the best pricing and efficient delivery of materials to avoid any delays during production or installation.

Construction

The skilled production and installation of our products is paramount to the long-term viability of your project. Our crews take exceptional care to maintain quality, organization, and professionalism throughout the entire project, prioritizing safety at every step. Once installed, the team does a final inspection for proper setup and quality assurance. The final contract completion is handled by the Project Management team and Colite Technologies is always available for any trouble shooting or maintenance needs that may arise in the future.

Key Projects

Commercial Solar

Extra Space Storage

Extra Space Storage is the second largest storage units operator in the US with over 2,000 properties across the country. Their ambitious sustainability goals are supported by onsite rooftop solar on many of their facilities. Colite Technologies is a preferred solar partner for Extra Space Storage's portfolio of facilities.

Terrell Mill Road – Marietta, GA (2021)

- 62 kW system produces 91.83 MWh of electricity annually, offsetting about 58% of the facility's energy use.
- Energy offset results in estimated energy cost savings of about $12,500/year.
- 1,455 metric tons of carbon dioxide emissions avoided over the system's 25-year life.

Briarcliff Road – Atlanta, GA (2022)

- 101.2 kW system produces 152.42 MWh of electricity annually, offsetting about 69% of the facility's energy use.
- Energy offset results in estimated energy cost savings of about $16,000/year.
- 2,501 metric tons of carbon dioxide emissions avoided over the system's 25-year life.

Kempsville Road – Virginia Beach, VA (2023)

- 165.5 kW system produces 223.47 MWh of electricity annually, offsetting over 96% of the facility's energy use.
- Energy offset results in estimated energy cost savings of about $12,890 in the first year.
- Sales from solar renewable energy credits (SREC) result in an additional $8,500 savings in the first year.

Culver's – Macon, GA (2021)

The customer was interested in solar energy and desired a solar canopy system for its economic and environmental benefits. Colite Technologies installed a 60 kW canopy system in the restaurant parking lot. With 3,320 square feet of electricity-generating surface area, the system produces nearly 90 MWh of energy annually and avoids 1,595 metric tons of carbon dioxide emissions over its 25-year life. The project is also eligible for federal and state renewable energy tax incentives, reducing total project costs.

Montana Health Center – Helena, MT (2022)

Montana Health Center qualified for a USDA Rural Energy for America Program (REAP) grant of over $16,000 to help install a 23.7 kW system on their roof. The system offsets 55.37% of the facility's energy use, avoiding 534 metric tons of carbon dioxide emissions over 25 years, and results in over $2,400 of energy savings every year. It also features real-time monitoring of energy production that allows for a quick snapshot of performance and fast trouble shooting when needed.

Preserve at Lakewood – Mauldin, SC (2022)

The Sustainability Education Center at the Preserve at Lakewood provides a unique, educational display of renewable energy sources for school-aged children and the general public. The center is completely off-grid, powered by a 2.49 kW solar PV system on the roof paired with battery energy storage. The battery system can provide an estimated 20 hours of operation for the entire electrical load (interior and exterior LED lights, camera surveillance, USB charging ports, and a TV display) on a full charge without solar production. It also features a custom battery cabinet with a clear front to showcase the inner workings of a renewable energy system.

Southeastern Freight Lines – Lexington, SC (2023)

In a natural progression to their sustainability strategy, Southeastern Freight Lines' corporate offices now boast a 191.3 kW solar system across two rooftops. The system offsets around 38% of their annual electricity use and is expected to save $36,400 in energy costs in the first year. They will avoid 4,624 metric tons of carbon dioxide emissions over the system's 25-year life, equivalent to 11,853,490 miles driven by an average passenger vehicle or 5,179,432 pounds of coal burned.

Renewable Lighting System

Nephron Pharmaceuticals – West Columbia, SC (2021)

Nephron Pharmaceuticals expanded their LEED certified facility in West Columbia, SC to keep up with accelerating growth. The project consisted of 27 total Solar Only Renewable Lighting Systems installed in the 9-acre lot with 740 spaces. Of these 27 units, 11 units also feature wireless camera surveillance and communications. Since they are fully off-grid, the customer will see $27,000 in energy savings over their 20-year life and avoid 316 metric tons of carbon dioxide emissions.

Riverside Apartments – Greenville, SC (2021)

The new development features various off-grid lighting systems throughout the property:

- (4) 30ft full hybrid renewable lighting systems with custom banner signage
- (8) 30ft solar only renewable lighting systems
- (2) 12ft smart pole renewable lighting systems with a recreational bench around the base of the pole

The power management controls were modified to accommodate a high foot traffic environment. The motion sensor and dimming settings were specifically adjusted to ensure there is adequate lighting to keep pedestrians safe at night.

Dominion Energy Columbia Energy Center – Gaston, SC (2021)

The Columbia Energy Center hosts a 530MW capacity natural gas plant in Gaston, SC that is a part of Dominion Energy SC's electricity generation portfolio. The additional contractor parking area at the facility was lacking light and it was very costly to extend electricity to the parking lot. Dominion Energy decided to install four off-grid, solar only renewable lighting systems to provide much needed lighting for the parking area. As a result, they will save $2,650 in every savings and avoid 42 metric tons of carbon dioxide emissions.

Bridgeway Station – Mauldin, SC (2020)

Developed by Hughes Investments, Bridgeway Station is a new mixed-use residential community in Mauldin, SC. They installed three installed three solar only renewable lighting systems with curved ornamental banners as a centerpiece for their parking lot. The custom metalwork on the banners features their logo and showcase the brand in the best light to really stand out. Along with the avoided energy costs, Hughes Investments found significant value in the avoided construction costs and limited maintenance.

LED Retrofit

Virginia Beach Field House – Virginia Beach, VA (2019)

The Virginia Beach Field House is Virginia's premier indoor sports facility with over 175,000 square feet under its roof. It houses 6 turf fields, 8 regulation volleyball courts, 4 basketball courts, party rooms, an arcade, and an indoor Fun Zone. Colite Technologies retrofitted 217 interior high bay fixtures and 29 exterior pole top parking lot fixtures. The difference is like night and day and the facility is expected to reduce energy costs by over $17,360 per year, plus additional $5,000 in maintenance costs simply because of the efficiency of LED lights.

Sandy Ridge Square Shopping Center – West Columbia, SC (2020)

In order to meet challenging lighting requirements of retail and grocery stores, HR Developers decided to switch outdated lighting at Sandy Ridge Square to LED lighting. The retrofit project consisted of replacing (55) metal halide pole top, wall pack, and flood light fixtures with more energy efficient LED fixtures. Even with the enhanced lighting, the new light fixtures still use less energy compared to the old fixtures. They expect to see over $11,200 in combined energy and maintenance savings per year.

MÜV Fitness – Columbia, SC (2018)

MÜV Fitness, a full-service fitness center in Columbia, South Carolina, encourages people to move into a healthy lifestyle. Colite Technologies replaced 30 outdated and inefficient metal-halide parking lot lighting fixtures with LED lighting. The improvement in lighting is outstanding and drastically increases safety for members and employees. The project qualified for $3,108 in LED rebates from their utility company and results in immediate energy and maintenance cost savings of over $6,825 per year.

Wingate Hotel – Lexington, SC (2020)

The complete overhaul of the exterior lighting at the Wingate by Wyndham hotel in Lexington, SC totally transformed the property's nighttime appearance. There were 39 total fixtures: (13) pole top lights, (6) bollards, (10) flood lights, (6) canopy can lights, and (4) corn bulbs. Wingate's parking lot is now much brighter and safer for guests and employees. The hotel will save nearly $2,500 in energy costs and $3,850 in maintenance costs every year. Additionally, they received a lighting retrofit rebate of over $2,200 from their utility provider, Dominion Energy, which brings down the initial project cost.