



CleanSky Energies Corp.



CleanSky Energies Corp., based in San Francisco, CA has developed a innovative suite of technologies deployed as an enhanced microgrid and sustainable infrastructure systems, specific to Net Zero Energy, off-grid large residential communities. Deployed by its professional team the company provides design, engineering, procurement, installation, commissioning and O&M as a turn-key offering.

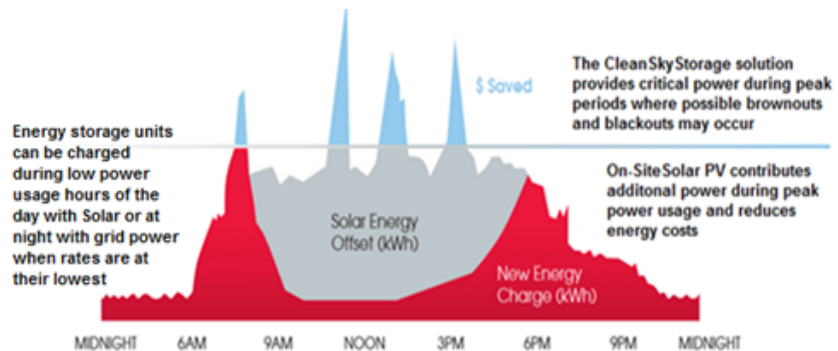


These critical societal solutions of affordable housing, reliable energy, clean water, healthy foods and healthcare are customized for localized off-grid applications and include municipal waste to energy, solar PV, solar thermal, energy storage, potable water, LED lighting and controls, medical clinic, greenhouse, electric metering & billing services, and energy monitoring systems. CleanSky Energies Corp. is focused on deploying these USA developed clean technologies into the emerging markets within Africa and beyond into Asia and the Americas, to help achieve climate stability and human prosperity in a financially responsible manner.

In addition, CleanSky Energies provides much needed **MicroGrid** solutions for Government and the C&I community as utility power grids cannot provide the reliable power needed for security and sustained growth for manufacturers throughout Africa. Black-outs and brown-outs are common in every country throughout the continent.

The CleanSky Energies Storage + PV System is an integrated microgrid solution that seamlessly integrates solar PV energy generation with advanced energy storage devices and power control and energy management systems to provide energy reliability and security. The CleanSky Energies Storage + PV™ can interact with or without a connection to the local utility grid providing:

- Off-Grid Operational Capabilities
- Demand Management and Response
- Reduce or Eliminate Grid Disturbances or Outages
- Peak Shaving
- Load Shifting
- Frequency Regulation
- Contingency Reserves
- Voltage Support
- Emergency Diesel Genset Back-up Operability with Black Start Capabilities





Energy security and supply are major challenges in most African and other third world countries and there is a constant battle with intermittent power supply. In addition, the development of large scale affordable housing communities is hampered by the inability of local authorities and government to supply the needed infrastructure required, including reliable power, clean water, fresh produce, health support, energy smart lighting, municipal waste disposal, and sewer waste treatment facilities.

CleanSky Energies **Physical & Social Infrastructure** capabilities are community solutions and complimentary to standard micro-grid installations; they encompass the total sum of basic needs that most governments just don't have the capabilities to provide.

- Waste to Energy
- Solar PV, Solar Thermal
- Energy Storage
- Off Grid Medical Clinics & Schools
- Portable Water Filtration System
- Self Sustainable Domed Agriculture Farm
- Portable Off-Grid Sewage Treatment Plant
- Electricity Metering Services
- LED Lighting



A community is much, much more than its physical form. A community is composed of people as well as the places where they live; it is as much a social environment as a physical environment. Thus, communities must not only be environmentally sustainable, they must also be socially sustainable. CleanSky Energies systems and solutions can be deployed as stand-alone or in combination with any other system or solution, allowing for significant flexibility in any off-grid or on-grid environment, nurturing a strong setting for social prosperity.

When we talk about **Security & Independence**, here's what we strive for: much more decentralized, clean energy sources – like solar and wind power – connected by a network of microgrids; disposable goods replaced by organically grown, well-sourced fresh foods; diets and agricultural practices that respect nature's limitations as well as its bounty; an economy that reflects the environmental impact of every financial transaction; and cleaner air and water as a result of all of the above. This is what it will take to achieve real security and independence. This new economic framework will yield resilient businesses, healthier citizens and safer nations. It is CleanSky Energies mission to contribute to a cleaner, safer and healthier world.



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