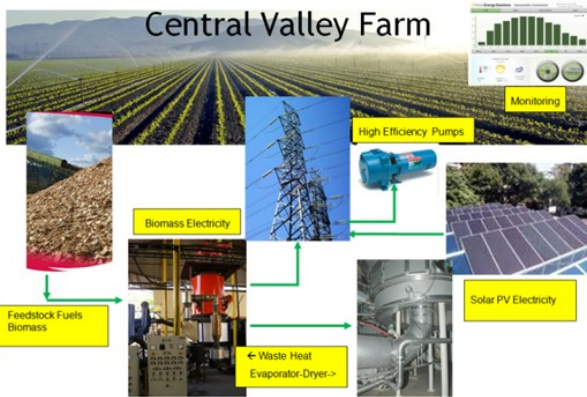


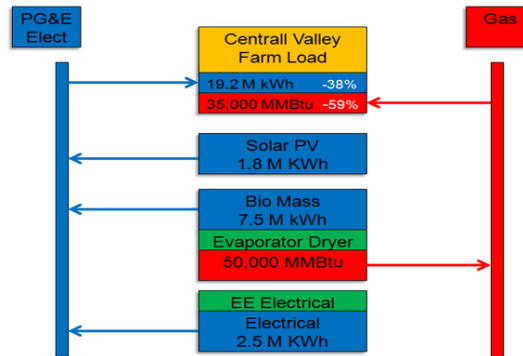
Experience in a broad range of energy technologies, energy systems and project and construction management implementation.

Central Valley Farm - Integrated Energy Solution



A central valley grape grower and processor desired to reduce their energy and cost and incorporate and integrate renewable energy strategies. Helio Energy Solutions is the project developer and system designer for this proposed integrated energy solution. The project energy balance is comprised of renewable electrical energy sources, reusable waste heat energy and reductions in energy use, specifically:

- Two energy sources from Bio Mass and Solar energy,
- Waste heat from Bio Mass for supplemental dry heat and gas reduction, and
- Energy reduction projects from energy efficiency projects
- Financial and return goals were achieved



International Utility Scale Solar Project- 1MW

The system is located in a rural farming community approximately 1.5km from the nearest electrical substation. Power was evacuated at 14kV. The system was commissioned on schedule and was producing 105% of its expected, instantaneous power output. The remote, low tech local environment provided many opportunities for problem solving in implementing this country's first privately owned solar energy electric power plant.

The system included the following major components:

- (2) SMA SC500-HE inverters
- (3780) ET-Solar 275 watt modules
- (28) SMA Sunny String Monitors
- (4) SMA Sunny Main Boxes
- (70) TTI Adjustable Tilt Ground Mounts
- (1) 1.2MW Medium voltage transformer with switch yard.



A Professional Services firm integrating power generation, energy efficiency and intelligent monitoring to significantly reduce our commercial clients energy cost

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Monitoring with Intelligence

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