

CENICOM

CENICOM is a combustion-free, solar-thermal electrical power generation system. It is commercially practical and economically competitive. The system collects the sun's energy up to 2,000°F (1,093°C) and stores it in an inert, non-volatile, non-toxic material. Then CENICOM draws that energy, as needed, to drive conventional, utility-grade, (standard, off the shelf) steam turbines. This solar-driven, continuous electrical generation process, with storage capability, produces *conditioned* power. This is, in contrast to, sporadic power from large wind-driven systems or photo voltaic (PV) systems that have no ability to store energy. Smooth, conditioned, commercial-grade utility power is provided by CENICOM whenever needed—24 hours a day, 7 days a week, 365 days a year. Power generation is absolutely pollution-free, without using combustible fuels to create the high temperature steam that line-focusing troughs and power-tower must use. Furthermore, other solar concepts are substantially less efficient by requiring significantly more land and therefore, more cost to deliver the same amount of energy. CENICOM is one of the only solar processes that separates energy collection from its distribution, making it possible to supply energy, as needed. It can be used with its own local grid or attached to a regional one. It is modular and can produce power according to a variety of specifications, from kilowatt-sized turbine generator sets to multi-megawatt sizes.

ENERGY PRODUCTS DELIVERED FROM A SINGLE CENICOM OR SINGLE CLUSTER MODULE

ELECTRICITY (UTILITY GRID CONDITIONED)

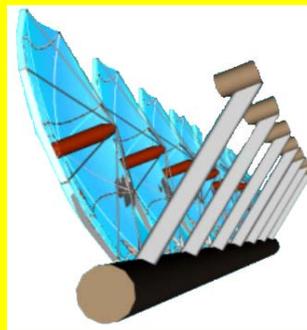
SINGLE CENICOM
330,660KWh per year

SINGLE CLUSTER
11,903,760KWh per Year

STEAM @1600° F

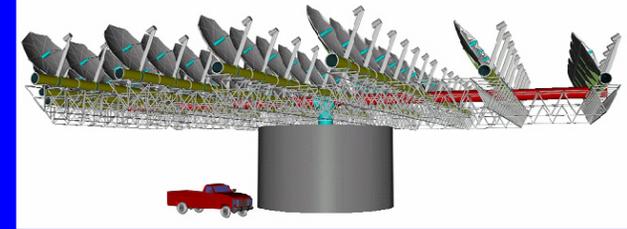
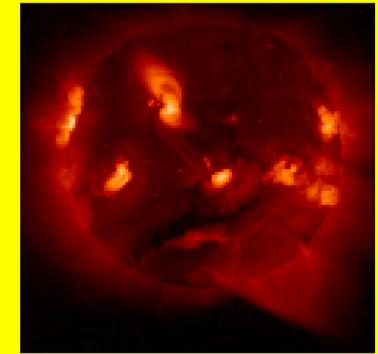
SINGLE CENICOM
3,604,195 Lbs per year
(1,638,270 kg per year)

SINGLE CLUSTER
129,751,020 Lbs per year
(58,977,736 kg per year)



PRODUCTS FOR A CLEANER-PURER FUTURE
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PURE



POWER

MANY APPLICATIONS ARE POSSIBLE USING COMBINATIONS OF CENICOM MODULES

36-CENICOM MODULES FORM A CLUSTER.

ONE CLUSTER WITH TWO 1,080 MW TURBINE GENERATORS WILL OPERATE WITH A CAPACITY FACTOR OF 0.63.

A THREE-CLUSTER CONFIGURATION, MATCHED WITH A STANDARD 6-MW TURBINE GENERATOR, SET WILL ALSO OPERATE WITH AN ANNUAL CAPACITY FACTOR OF 0.63.

CENICOM Cluster Elements

