Genesis Alternative Solar Energy Technologies

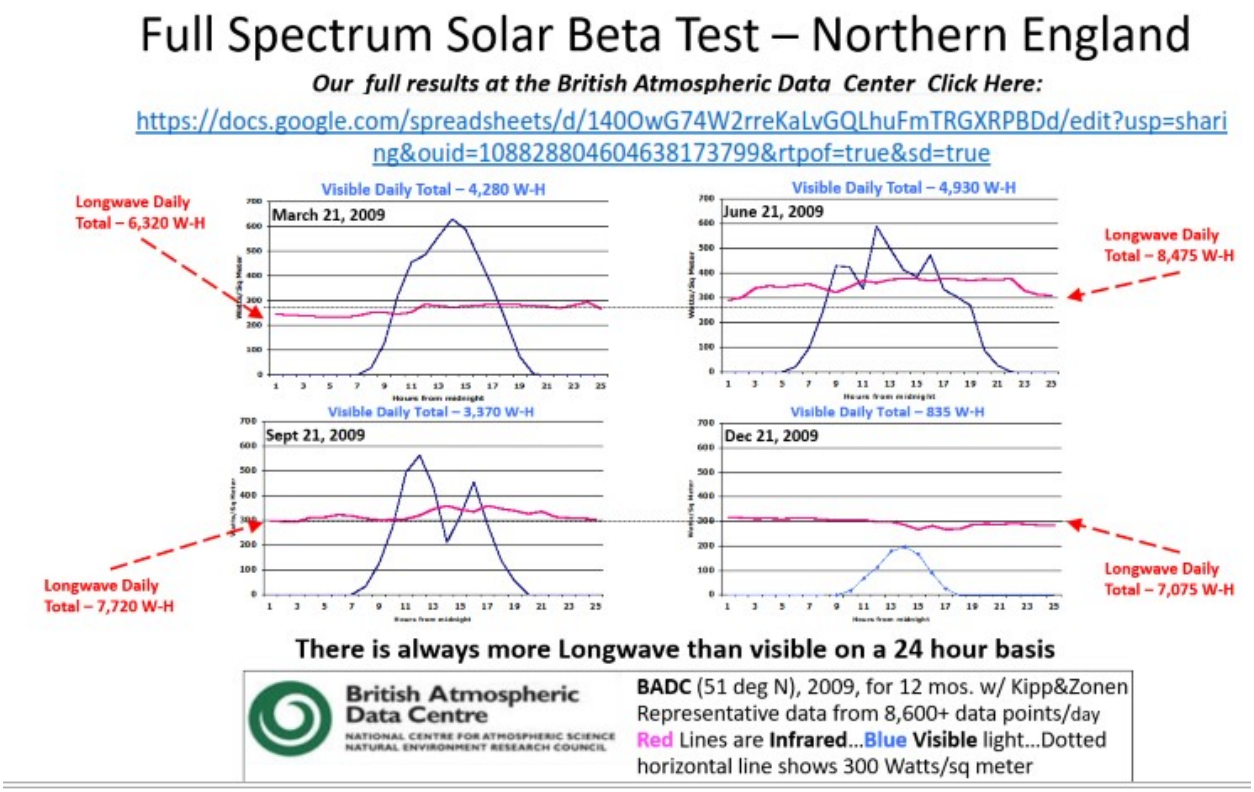
www.genesiseconomicdevelopment.org

Stand-Alone Solar Thermal Power Station

One-to-one point two-megawatt continuous base-load power:

With the present environment of growing power needs and the instability of traditional fuel supplies and cost; a new approach is needed to provide a rapidly deployable base-load source of electrical power is essential.

- The units are composed of aluminum honeycomb composite that are machine formed and based on technologies that the aircraft industry is using to make modern aircraft like the Boeing 777 Dreamliner. Designed to be assembled within days at site and transportable using containerized components, with the latest AI programmed construction methods.
- The Units are engineered on our full spectrum energy collection patent, which is based on the collection of 99% of the Infrared spectrum. The visible and UV radiation, unlike the UV and visible spectrum, is almost a constant energy collection (Infrared), as testing shows on the chart below:

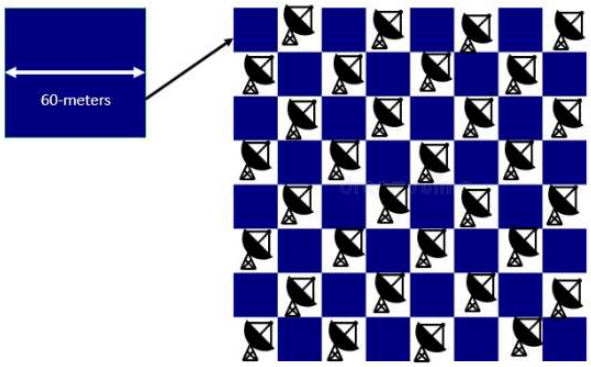


- Collecting the Infrared Spectrum, we collect three times more energy per meter of collection.
- Units have intergraded deep storage up to 30-hours that covers variations in both daily and seasonally energy availability.
- The Solar Collectors are able to be installed on any type of soil, brown fields, sand, marshy soil, etc…, as we have abandoned the traditional single supporting mast and dish design. Our large collector will have five supports and will spread the weight and forces over a concentric circular track. The massive counter-weights and the large amounts of parasitic electrical load needed to articulate the dishes will no longer be required. In its place, electro-magnetic drives and maglev

technology to track the sun with an accuracy cogs, gears and HD motors that will use a fraction of the electrical power.

- Because of three-time increase over other solar collection systems, the units have the highest collection potential available today. They can deliver as much as 208 megawatts per hour, continuously 24/7/365 on a one-kilometer square plot as shown here:

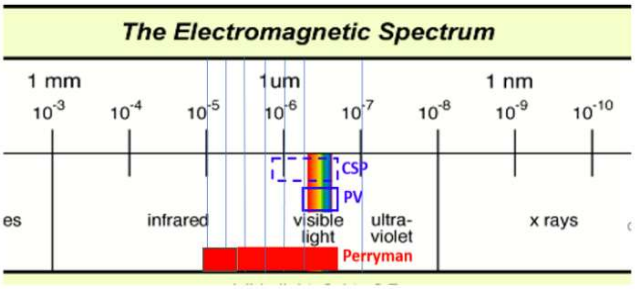
Ours is the highest power generation concentration of any solar technology with one square kilometer producing between 208 MW and 420 MW per hour 24/7/365 location dependent



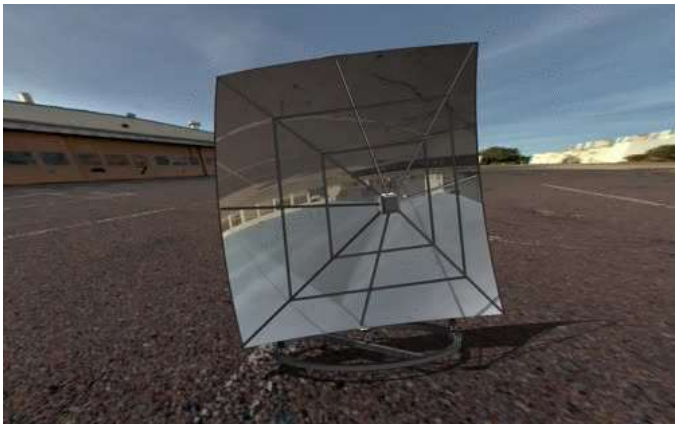
- Our latest collector and storage iteration operates at temperatures hot enough to provide the energy for the highest efficiency small gas turbine, the Aurelia Turbine; ttps://aureliaturbines.com/ we will combine with a storage feed recuperative multi-stage close loop steam turbine system in a combined-cycle configuration which will approach 70% thermal to electric efficiency. This is AC power easily synchronized with existing grids and industrial applications. The system will also deliver usable hot water if needed for heating and as an available add-on, an absorption chiller for air conditioning.

Our solar Thermal Delivers 3-times More Energy
We are the only CSP technology that collect all of the infrared spectrum

Full-Spectrum Solar Thermal ™



- Our cost per kW of produced electrical power is based on the operational life of 50-years for the unit is as low as US$0.015, with a FOB factory price of US$7,320,000 for a single 1-2MWh unit capable of energy production for 100 homes, factoring the cost of maintenance. Price subject to change.
- The Infrared Collection is a game changer:



- Able to be assembled in days, not months, at site; operate in winds of 80 mph, survive in locked down position on winds of 190 mph and earthquakes. At the same time deliver electrical power at fewer than 1.5 US Cents per kW. Truly a solution to meet growing demands for power quickly, anywhere globally.