

# THERMO-KINETIC DRIVE!



RADIOMETER



TAO SYMBOL - PRIMEMOVER

What if....there once was a device that converted direct sunlight into rotational kinetic energy on a scale many orders of magnitude greater than a radiometer and for which the Tao Symbol is mankind's last surviving cultural artifact?

Here is an imaginative description of its design:

Measuring 3m in diameter, the prime-mover is located near the prime focus of a giant radial parabolic mirror, and offset to evenly disperse light across its entire convex 3 dimensional parabolic surface. A super insulator separates the yin and the yang; one designed with a mirror finish to reflect sunlight, and the other .... an optimized black absorber upon which the equivalent of more than 3,000 suns are focused, creating an extreme temperature differential from which the thermo-kinetic driving force is hypothetically derived. The prime-mover turns a drive-shaft coupled to the convex side of its spinning vertex and turns an electric generator or mechanically driven machine located at other end. If the aperture of the mirror were 200 ft in diameter with an aperture of 3489 square yards providing. At 1,000 watts per square yard, approximately 3.5 megawatts of light energy would be concentrated on the prime-mover. Assuming a 50% sunlight to thermal energy conversion efficiency 1.75 megawatts of power or 1.75 joules/sm<sup>2</sup> of thermal energy would be available for conversion to rotational kinetic energy.

This document was conceived and created by Bart Orlando for all mankind! 2014

Possible References For Further Research:

Radiometers - Wiki- <http://en.wikipedia.org/wiki/Radiometer>

Max Efficiency Of Solar Thermal

<http://www.inference.phy.cam.ac.uk/sustainable/solar/thermal.html>

Wiki [http://en.wikipedia.org/wiki/Kinetic\\_energy](http://en.wikipedia.org/wiki/Kinetic_energy)

<http://www.physicsclassroom.com/class/energy/u5l1c.cfm>

How Sunlight Measured [http://wiki.answers.com/Q/How\\_is\\_sunlight\\_measured](http://wiki.answers.com/Q/How_is_sunlight_measured)

Rotational Kinetic Energy <http://hyperphysics.phy-astr.gsu.edu/hbase/rke.html>

How To Calculate Rotational Kinetic Energy <http://www.dummies.com/how-to/content/how-to-calculate-rotational-kinetic-energy.html>

(<http://www.inference.phy.cam.ac.uk/sustainable/solar/thermal.html>),

Insolation -Wiki <http://en.wikipedia.org/wiki/Insolation>

Sunlight Wiki <http://en.wikipedia.org/wiki/Sunlight>