

## Self-Sustainable Technology Utilizes Dark Energy

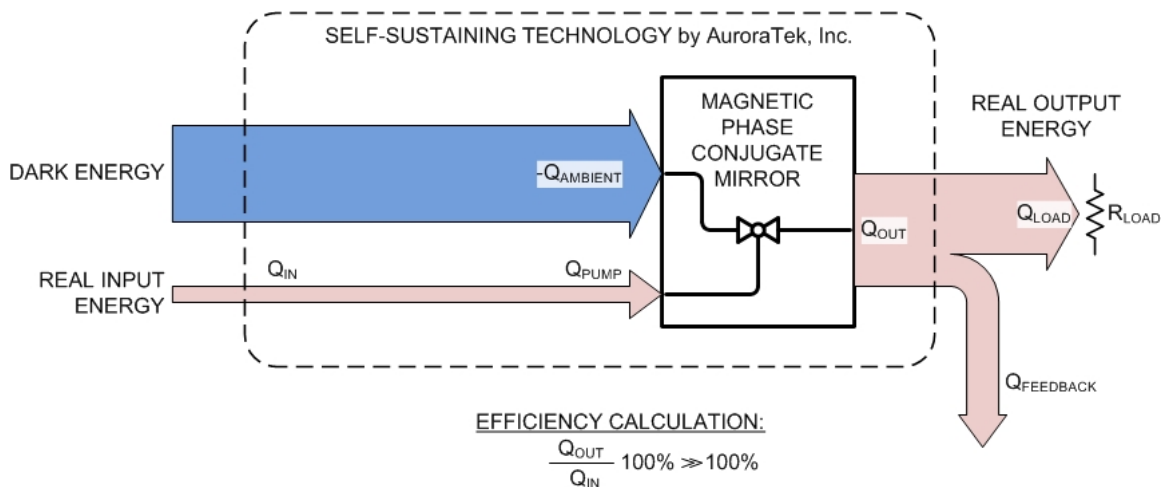
By William S. Alek

President and CEO of AuroraTek, Inc.

Mainstream science defines “Dark Energy” as a hypothetical form of energy. It permeates all of space and tends to accelerate the expansion of the universe. According to the Planck mission team, and based on the standard model of cosmology, the total mass-energy of the universe contains 4.9% ordinary matter, 26.8% dark matter and 68.3% dark energy.

It is observed through an astronomical means Dark Energy has a strong negative pressure, or acting gravitational repulsion, in order to explain the observed acceleration in the expansion rate of the universe.

According to General Relativity, the physical quantity that causes matter to produce gravitational effects is the “Stress-Energy Tensor,” which contains the mass-energy density of a substance and its’ pressure and viscosity. This Tensor describes the density and flux of energy and momentum in spacetime.



**Fig. 1.** PPCM developed by AuroraTek, Inc.

A means by which to harness “Dark Energy” is to reduce the “Stress-Energy Tensor.” This is accomplished through the use of bifilar coil configurations, which neutralizes the effect of self-induction. This, in turn, reduces the overall impedance of the coil. The bifilar coil is driven by two independent transverse pump waves as described by researcher, Tom Bearden. The ferromagnetic core material used by the bifilar coil acts as a nonlinear medium or more commonly known as a Pumped Phase-Conjugate Mirror or

PPCM. Shown above in Fig. 1 is the Self-Sustaining Technology developed by AuroraTek, Inc. utilizing a PPCM.

According to mainstream science, “Dark Energy” or anti-waves are a component of space and therefore, present everywhere in the universe. These anti-waves or phase-conjugated waves are time-reversed electromagnetic waves. So, along with “Real Energy” or time-forward electromagnetic waves, anti-waves, or time-reversed waves are present as well. During operation of the PPCM, when anti-waves or “Dark Energy” comes in contact with the mirror, a transformation occurs producing time-forward electromagnetic waves. In other words, the PPCM acts as a gateway or valve transforming “Dark Energy” to “Real Energy.” This process occurs in the low to mid frequency range allowing ordinary power electronics to capture the real power and deliver it to a load.

The PPCM is driven by two converging pump waves causing the transformation to occur and the valve to open. More energy is output than input into the system with an overall efficiency exceeding 100%. This is a clear violation of the 2<sup>nd</sup> Law of Thermodynamics due to the imbalance of the energy equation. However, the system is brought into balance by adding in the unseen or invisible “Dark Energy” component. Thus, bringing the overall system into perfect balance. Once “Dark Energy” is factored into equation, the 2<sup>nd</sup> Law of Thermodynamics is no longer being violated.

AuroraTek, Inc., a leader in Self-Sustainable Technologies, has on its’ bench a working prototype device that has an efficiency of 127% with a theoretical efficiency of over 3,200%. Our objective is to get this technology to the market place and change the way the world produces and utilizes energy. With this technology, “the age of burning fossil fuel” is over; “the age of dangerous fission” is over; “the age of dangerous fusion” (which never got started) is over; and “the age of alternative energy technologies” is over!



**Fig. 2.** Our ZERO EMISSIONS Logo.

Our patent-pending Intellectual Property allows us to scale the technology ranging from milliwatts to megawatts of power with theoretical efficiencies exceeding 3,000%.

The market potential for our technology is enormous and worldwide in scope. In China, more than 200 million electric bikes (eBike) have been sold. There will be about 450 million electric bikes sold worldwide by 2020. Carbon dioxide emissions for a Chinese eBike are about one-tenth of what is emitted by a conventional electric car.” Carbon dioxide emission using our technology – ZERO! See Fig. 2 above.

The market facts speak for themselves. The global wholesale level market for battery control technology was nearly \$86 billion in 2011 and should grow to more than \$124 billion (constant 2012 dollars) by 2016 under a consensus scenario, a Compound Annual Growth Rate or CAGR of 7%. Battery chargers currently represent the largest of the three (3) battery control technology market sectors, with 2011 sales of about \$48 billion. BCC expects this market to reach \$69.6 billion by 2016, a CAGR of 7.6%. They are followed by smart batteries (including both nickel metal hydride and lithium-ion), especially those used in portable products and on-road electric vehicles. Smart batteries represented a \$32 billion market in 2011, expected to grow to more than \$49 billion by 2016, a CAGR of 8.5%. Lastly, battery conditioner shipments have grown over the last 5 years. Between 2011 and 2016, global sales are predicted to grow from \$5.2 to \$5.8 billion, a CAGR of 2.2%.



**Fig. 3.** Consumer Electronics Show 2014 held in Las Vegas, Nevada.

We're very excited to announce our plan to debut our technology at the world-renowned Consumer Electronics Show (CES) held in Las Vegas, Nevada (Fig. 3). This enormous event covers 1.6 million sq.ft. with over 150,000 attendees.

As shown below in Fig. 4, our Self-Sustainable Technology called SmartPAK<sup>TM</sup> / SFT<sup>TM</sup> is attached to electric bike (eBike) creating an integrated energy solution that NEVER, EVER requires the scooter's batteries to be charged from the 120VAC wall outlet AGAIN! The world's 1st FREE Energy (Over-Unity or OU) device will be demonstrated at the consumer level - this has NEVER, EVER been done before.



**Fig. 4.** An Electric Scooter fitted with the SmartPAK™ / SFT™ OU System.

CES is a four-day marathon event and runs January 7 - 10.

Want to be part of this exciting revolution in energy by investing? We're signing up investors NOW! There has NEVER been a time for you to get involved in this cutting-edge technology before. Ask for our free prospectus. Call Aurora Light, VP of Investor Relations at: 480-474-4388



**BIO:** William S. Alek is President and CEO of AuroraTek, Inc., a world leader in Self-Sustainable Technologies. He is also the Director of Research and Development and the chief architect of the SmartPAK™ / SFT™ Energy Management System.

William has over 25 years work experience in electrical, computer hardware and software engineering.

He has a BSEE Degree graduate of Illinois Institute of Technology, Chicago, 1979.

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