OVERVIEW

SAIL CAPITAL PARTNERS (www.sailcapital.com)

SAIL was founded in 2002 as a pioneer in the cleantech investment sector and continues to be one of the sector’s recognized thought leaders. Our comprehensive portfolio currently includes fourteen leading companies spanning the universe of sustainable innovations in the areas of energy storage and efficiency, renewable fuels, electrical efficiency, green cleaning products and water purification.

In this era of profound changes in the way we produce and consume valuable resources, SAIL focuses on exceptional profit opportunities as a result of inefficiencies in the global markets. Our tea of uniquely talented investors employs their decades of experience and cleantech-related networks to the most exciting venture investment opportunities.
Enerpulse Technologies, Inc., (otcqx:ENPT) developer and manufacturer of a high-energy ignition device for use in spark ignited internal combustion ("IC") engines, has been approved to trade on OTCQX after the completion of a public offering of 5 million common shares. The company also is offering 5,000,000 warrants to purchase 7,500,000 shares of common stock at an offering price of $0.75 per share and $0.05 per warrant. The warrants have an exercise price of $0.96 per share, or 120% of the combined offering price. The company granted the underwriters a 30 day option to acquire an additional 750,000 shares of common stock and/or 750,000 warrants to purchase up to 1,125,000 shares of common stock to cover overallotments in connection with the offering.

After the estimated offering expenses payable by the company, the company expects to receive net proceeds of approximately $3.4 million, assuming no exercise of the overallotment option. The company intends to use the net proceeds of this offering for research and development (including patent development and protection, prototype development and third party testing), salaries and benefits, repayment of indebtedness incurred under certain bridge financings, and general working capital purposes.

"We are delighted to welcome Enerpulse to OTCQX and congratulate the company on its successful public offering," said R. Cromwell Coulson, President and CEO of OTC Markets Group. "Enerpulse joins the many U.S. and international companies that have chosen OTCQX to provide their investors with a superior trading and information experience so they can better analyze, value, and trade their securities. We look forward to a long-standing relationship with Enerpulse as it embarks on its journey as a publicly-traded company."

"We are pleased to have received approval for trading on OTCQX," commented Joe Gonnella, CEO of Enerpulse Technologies. "It is another confirmation of the confidence the market places in our groundbreaking, high-energy automotive spark plug technology."

"The announcement about the public offering of our stock is great news for our company," said Joseph Gonnella, CEO of Enerpulse Technologies. "It is another confirmation of the confidence the market places in our groundbreaking, high-energy automotive spark plug technology."

Enerpulse has introduced the world’s most powerful ignition device for use in all spark ignited IC engines. Using Ultra High-Power Electro-Magnetics developed with support of Sandia National Laboratory, Enerpulse's Precise Combustion Ignition (PCI) technology is at the core of a major breakthrough in IC engine ignition systems.
Ener-Core Celebrates Ribbon Cutting of First Operational Powerstation

Ener-Core, Inc. (OTCQB:ENCR), whose proprietary Gradual Oxidation technology and equipment generates clean electric power from low quality and waste gases, is pleased to announce that on June 5th the company and Attero, the waste management company in the Netherlands, convened a ribbon cutting ceremony celebrating the operation of its first installation in the Netherlands.

A video of the installation highlighting interviews of Ener-Core and Attero management is available here:

Paul Ganzeboom, CEO of Attero, stated, "Landfills generate gases, and if we don't do anything with these gases then they are lost. By generating clean electricity from these sources of waste gas, it reduces our dependency on generating electricity from other sources, such as coal. We have ten landfills that generate gas, and over the years, the quality of the gas deteriorates. Ener-Core's technology allows us to continue to generate electricity with the low quality gas. We compared different technologies and determined that the Ener-Core technology provided us the best benefits, both from a cost perspective as well as return on capital."

Frans Follings, Director of the Recycling Business of Attero, stated: "Up until now we've used gas engines on our landfills, but they can only operate on landfill gases that contain methane levels of 30% or 40%. Once the quality of landfill gas falls below that, the engines stop and simply cannot operate on those gases anymore. This issue with low-energy gases is pervasive across other industries, such as the chemical industry and oil industry. We at Attero have about ten landfill sites where we could use this technology to generate power when the gases become too low to generate power from a traditional engine or a turbine."

Alain Castro, CEO of Ener-Core, stated, "Our entire team has worked hard to achieve this critical milestone in our company’s development, and the importance of our first unit’s installation and operating status cannot be overstated. Having a system operating in Europe, with a well-respected and recognized company like Attero is crucial to our ability to secure additional commercial orders. We are now receiving several requests per week from prospective customers throughout Europe, wishing to schedule site visits to observe the unit in operation. We are grateful to Attero's entire management team for this opportunity, and will continue to work closely with them toward their objectives of generating energy from their other operations throughout Netherlands."
Ener-Core Expands Addressable Market with Multiple MOUs

Ener-Core, Inc. is pleased to announce that during this 2nd quarter it has received a purchase order to test Ener-Core’s technology with emissions gases from oil sands operations, as well as several memorandums of understanding (MOUs) from companies in a wide range of industries.

Ener-Core received a purchase order from Cenovus Energy, Inc. (NYSE:CVE), a Canadian integrated oil company with significant operations at the oil sands of northern Alberta, to test the ability of Ener-Core’s gradual oxidizer to destroy the waste gases from its oil fields and convert these gases into power.

In addition, Ener-Core received MOUs from a large producer of plastics (Saudi Arabia Basic Industries Corporation), a large regional supplier of drinking water (Brabant Water in Netherlands), a sewage treatment plant operator and a large ethanol producer. In relation to the Cenovus contract, Ener-Core expects the testing to take place over the next five months at its testing facility at University of California, Irvine (“UCI”), with UCI validating the test data.

Paul Fukumoto, Director of Business Development at Ener-Core, comments, “It is no coincidence that we are seeing increased commercial activities in the same period that we inaugurated our system in the Netherlands in the first week of June. There has always been interest in Ener-Core’s technology, but many customers were waiting for that system to be operational before proceeding with a formal evaluation.”

Alain Castro, CEO of Ener-Core further comments, “Virtually any industry that is flaring its waste gases will be attracted to the possibility of being able to utilize these gases to generate their own power. From the outset of our commercial deployment, we have been targeting a variety of industries, which include landfills, refineries, oil fields, coal mines, distilleries, and industrial manufacturers of plastics and steel.”

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“Virtually any industry that is flaring its waste gases will be attracted to the possibility of being able to utilize these gases to generate their own power. From the outset of our commercial deployment, we have been targeting a variety of industries, which include landfills, refineries, oil fields, coal mines, distilleries, and industrial manufacturers of plastics and steel. This sudden influx of MOUs, and the order from Cenovus, are testament to the fact that our multi-industry strategy is working. Our team is now working closely with all of these companies to address all of their questions and assist them in solidifying their business cases, with a view to convert our sales pipeline into booked orders and secure potential future deployments of our Gradual Oxidizer across these multiple markets.”

POWERSTATION FP250

The cleantech industry has seen a mixed bag of results with some companies exploding with success while others fail. Navigating the landscape of a new sector can be difficult, but one group in particular has helped cleantech startups succeed in this challenging environment. Enter the Cleantech Open.

Established in 2006, the Cleantech Open “was founded on the premise that entrepreneurial innovation is the answer to the world’s most pressing environmental challenges, and the key to economic growth for all nations.” As the world’s largest clean technology accelerator, Cleantech Open believes that when private sector forces join together in educating and equipping entrepreneurs, they can make a far greater difference than when companies, governments, or non-profit organizations act alone.

The success of this not-for-profit organization, headquartered in Palo Alto, can be shown through some statistics of its work over the past nine years:

- Nearly 3,000 technologies and companies vetted for admittance into its programs.
- 865 clean technology companies graduated from its programs of mentorship and education.
- Nearly 40% of those companies have received external funding of $990,000,000 from third-party investors.

Part of reason for the high percentage of funding success is due to the Cleantech Open’s program that de-risks technology and equips entrepreneurs with business savvy and connections without which they’d likely fail.

And it looks like the triple bottom line impact of the group is poised to reach new heights. On May 20th in Washington, DC the Cleantech Open joined with the United Nations Industrial Development Organization (UNIDO) and the Global Environment Facility (GEF) – the principal financing mechanism for several keystone U.N. environmental and sustainable development agreements – to announce a partnership to launch cleantech startup accelerators in as many as 25 developing countries.

Working together, Cleantech Open, UNIDO and the GEF have already trained UNIDO identified country teams and launched international cleantech accelerators in Armenia, India, Malaysia, Pakistan, South Africa and Turkey. Their mission, Cleantech Open explains, “is to find, fund and foster small and medium-sized enterprises (SMEs) that can tackle the most urgent energy, environmental and economic challenges in those countries.”

If you’re interested in learning more about the Cleantech Open, contact Wayne Janisch, Director of Development.

Wayne Janisch
Cleantech Open
3333 Coyote Hill Road
Palo Alto, CA 94304
(650) 575-1300
wjanisch@cleantechopen.org
www.cleantechopen.org
On May 9th President Obama announced more than 300 private and public sector commitments to create jobs and cut carbon pollution by advancing energy efficiency and solar deployment. The commitments represent investments that will lower bills for more than 1 billion square feet of buildings as well as more than 850 MWs of solar deployed – enough to power nearly 130,000 homes. Specific commitments from the federal government include the following:

- Another $2 billion in energy efficiency upgrades for federal buildings (added to the $2 billion from 2011). This will cut carbon pollution by more than 380 million metric tons – equivalent to taking 80 million cars off the road for one year – and will save businesses nearly $26 billion on their energy bills.
- The President has also called on private and public sector leaders to join the Better Buildings Challenge and continue improving the efficiency of American commercial, institutional, and multifamily buildings and industrial plants by 20 percent or more over ten years.
- DOE is launching a High Performance Outdoor Lighting Accelerator to increase the adoption and use of high efficiency outdoor lighting in the public sector. This Accelerator is aimed at replacing more than 500,000 outdoor lighting poles and developing best practice approaches to municipal system-wide upgrades.
- Two new energy conservation standards from the DOE, one for electric motors and one for walk-in coolers and freezers.
- New financing options for energy-efficiency and water-saving upgrades for affordable housing units.

Two new energy efficiency standards for electric motors and walk-in coolers and freezers were released this May by the Energy Department. These developments represent a trend in market drivers to move towards more efficient motors like those made by SNTEch.

Currently, a standard 30 horsepower electric motor consumes approximately 62,000 kilowatt-hours per year. The new standard will save consumers up to nearly $16 billion and prevent 96 million metric tons of CO2 through 2030.

In addition, the Energy Department issued a final efficiency standard for walk-in coolers and freezers. This standard will help cut energy bills by about $10 billion and result in CO2 emissions reductions of 62 million metric tons through 2030.

The efficiency standards update the 2010 standards for electric motors and the 2009 standards for walk-in coolers and freezers.

Electric motors are used extensively in a variety of applications, such as industrial machines, conveyor belts, and escalators. SNTEch motors are also used in HVAC, refrigeration, pool pump motor and spa motor markets.
Enerpulse Technologies (OTCBB: ENPT) has added PlasmaCore to its line of Pulstar Pulse Plugs, providing the aftermarket with the next generation of its popular alternative to conventional spark plugs. Representing the fourth generation of the product, Pulstar with PlasmaCore Pulse Plugs benefit from a bigger spark that results in more engine power and extended plug life.

Pulstar with PlasmaCore Pulse Plugs have a patented capacitor in the core that stores energy from a vehicle’s ignition coil. Before the spark, PlasmaCore Pulse Plugs release this energy in a quick and powerful burst, forming a fuel-sensitizing plasma field that produces more than 5 million watts of peak power within a few nanoseconds. By comparison, conventional spark plugs only produce 50 watts of ignition power.

“The Pulstar plasma field sensitizes the fuel mixture, ensuring instantaneous ignition, which burns the fuel more quickly and efficiently,” says Lou Camilli, inventor of Pulstar Pulse Plugs and the President & CTO of Enerpulse. “A faster burn consumes the same amount of fuel more quickly, creating consistent cycle-to-cycle combustion to produce higher average horsepower and torque and quicker throttle response.”

According to Camilli, every product goes through product refinements, but the changes from generation three to generation four of the product were significant. Enerpulse has discovered how to utilize a larger electrode, which “almost doubled our energy efficiency,” Camilli added. He says the product brings “intelligent energy management” to the spark plug market.

A bigger spark allows Pulstar with PlasmaCore Pulse Plugs to utilize a larger electrode, which Camilli says is “something spark plug makers have used for decades because it extends plug life.” A larger electrode, in conjunction with a bigger spark, further improves ignition consistency.

Enerpulse also recently announced that racing legend Al Unser Jr. has joined the company as its Pulstar Pulse Plugs Performance Expert. Unser Jr., a two-time winner of the prestigious Indianapolis 500, will be a consumer advocate for Enerpulse, assisting Enerpulse in delivering automotive enthusiasts improved vehicle power and performance.

“I am extremely excited by this partnership,” stated Unser Jr. "I am not a physicist, but I do know a thing or two about getting the most power from your engine; and the performance improvement I experienced with Pulstar Pulse Plugs is nothing short of amazing.”
SAIL Capital Partners (www.sailcapital.com) is a leading cleantech investment firm with a global vision of technologies, markets and opportunities. We invest in cleantech companies with proven technologies, visionary leadership, measurable impact and exciting growth potential. We have invested in a number of today’s leading cleantech companies including Ice Energy, The Cleantech Group, Enerpulse, SNTech, Flex Power, Paragon Airheater Technologies, M2 Renewables, Clean Technology Solutions, CNS Response and WaterHealth International. SAIL has offices in California, Toronto, New Orleans and Washington D.C. as well as a global network of investors and advisors.

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Sources

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