

Entrepreneurial ID «venture leaders» 2007



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EnAirys Technology Inc.

«Clean Energy Storage Solutions »

→ *We put Air to Work to supply Clean and Sustainable Energy from Renewable Sources*

Industry: «ENERGY»

Biography

As a Power Electronics engineer, it is for me a great and enriching experience to lead the development of these new conversion and storage solutions to enhance the use of renewable energies and thus help addressing the environmental and resources problems related to the world energy supply.

My participation to the Venture Challenge program has completely changed my technology-driven approach into a customer's need-driven one, which seems to me a more pragmatic and efficient way to achieve that goal. This venture project is so exciting for me and I feel very motivated and determined to tackle the challenge and bring it to success.

Company / project

EnAirys Technology Inc. is a leading developer of integrated conversion and storage solutions to provide our customers with a sustainable power supply. Our storage concept is based on simple and natural elasticity of air; thus our solutions are environmentally harmless and therefore particularly suitable to circumvent the intermittency of renewable energy sources such as solar photovoltaic and wind energy. Our innovative technology combines a new Liquid-Piston compression/expansion concept with specific Power Electronics & Control units. This smart combination allows achieving a high efficiency together with a flexible and autonomous operation.

EnAirys' solutions are unique because they are the only storage solutions that can guarantee a clean and sustainable power supply for decades and only from renewable energy sources. *EnAirys* also aspires to offer customized services and products from the feasibility study to the follow-up services.

Our first targeted customers are grid-tied and off-grid households, fed by photovoltaic panels or small wind turbine, where *EnAirys* products are the best solutions to perform the day-to-night power shift or the power bridging. This is a worldwide market with an important share in remote areas and emerging countries. The European market for off-grid houses only, is estimated to about 40 B€ with an annual growth of 20%.

Other possible stationary target applications in the medium power range are sensible and strategic applications such as hospitals, telecommunication antennas, and military installations. *EnAirys* products can be used as power backup to achieve uninterrupted power supply. Renewable energy power stations such as wind farms and photovoltaic power stations are other stationary target applications in the high power range. The modular design of our products will ease the transition from low to high power applications.

Another important market segment is that of mobile applications. *EnAirys* aspire to develop a revolutionary concept of urban car: A compressed-air powered, energy autonomous city car. This car will be able to produce its own fuel, compressed air, with on-board photovoltaic panels. This will open a completely new market segment.

A demonstration installation is under construction for technology proof purpose. *EnAirys* incorporation is planned in 2008 with an initial team of about six persons. A turn-over of about 10 M€ is targeted during the first year with a minimum annual growth of 100%. The break even is expected during the third year.

Join us as industrial or financial partner for this interesting and exciting venture; we will be please to welcome you onboard.