

# Smart Elder Life^^ 感謝!

"장년12도" 언도(言道) 행도(行道) 금도(禁道) 식도(食道) 법도(法道) 예도(禮道) 낙도(樂道) 절도(節道) 심도(心道) 인도(忍道) 학도(學道) 기도(氣道)

## Concord Blue is a waste management company

댓글 0 · ■<주식투자.IPO등>/태양광·ESS·폐기물·연료전지발전 · 2014. 3. 7.

### History

Concord Blue is a waste management company that transforms nearly any form of local waste into a variety of clean, renewable fuels. Concord Blue has developed a revolutionary closed-loop system that efficiently and cost-effectively produces the highest quality sustainable energy with virtually no pollutants. Unlike other available waste-to-energy processes, Concord Blue's unique technology benefits the environment, fulfilling all international, EPA and European regulations for renewable energy and air emissions.

### Concord Blue System

#### Concord Blue Tower

Concord Blue is a clean and environmentally friendly waste and sewage sludge disposal system that also creates clean renewable energy. The Concord Blue system can run on a multi-feedstock input material. Before the material goes into the plant it can automatically segregate out all inert materials such as glass, rocks & stone and metals. Virtually any other material with an organic base can be used, including:

- Any woody biomass (green cut, foliage, hay/straw, forest biomass or roadside collection, residual wood even with burden of contaminants)
- Sewage sludge
- Hospital waste
- Municipal solid waste / bio-garbage / restaurant-food waste
- Animal manure, other animal wastes
- Any agricultural biomass waste – e.g. sugar cane & distillery effluents (including "energy plant" residuals)
- Manufacturing sludge (e.g. paper, paint)
- Paper recycling refuses
- Plastic waste
- Any waste with a significant organic component

The Concord Blue process employs gasification followed by gas reforming to produce a medium btu, tar free, hydrogen intensive syngas which can be utilized to generate power directly. This [video](#) has more information on how Concord Blue works or [Contact Us](#) for additional information.

## CONCORD BLUE AND LANZATECH TO PRODUCE FUELS FROM WASTE BIOMASS RESOURCES IN GEORGIA

CONCORD BLUE AND LANZATECH TO PRODUCE FUELS FROM WASTE BIOMASS RESOURCES IN GEORGIA  
LOS ANGELES, CA, Dec. 4, 2013 Concord Blue USA, Inc. and LanzaTech have entered into an agreement to integrate their individually proven technologies to demonstrate the production of fuels and chemicals from waste materials.



Bonjour Kwon

K&E link 대표이사  
-경영, 투자, 금융 컨설팅

전 국제자산운용, 알파에셋자산운용, 제이피에셋자산운용 대표이사, 한국투자증권 IB, 국제, 조사

- 국내외 사모부동산/특자 펀드 운용  
- Multi Asset 사모Fund 운용  
- SOC, PEF, 벤처투자, M&A, 투자자문 등

LanzaTech will install a Concord Blue Reformer at its Freedom Pines facility in Soperton, GA to convert waste biomass from regional forestry operations into syngas. The syngas will be converted by LanzaTech's proprietary gas fermentation process into a range of biofuels and chemicals. The integration and testing at Freedom Pines will serve as an important step towards commercialization of the integrated technologies for multiple projects that both companies have under contract and in development.

"As the U.S. continues to diversify its energy mix and produce more domestic energy, low carbon fuels derived from waste woody biomass and municipal solid waste will play an increasingly important role," said Dr. Jennifer Holmgren, CEO of LanzaTech. "Our partnership with Concord Blue will enable us to extend our technology to these important resources."

Concord Blue has developed a closed-loop, commercially proven, non-incineration process that recycles nearly any form of waste, including landfill waste and sewage sludge, into energy at virtually any scale. By working closely with leading businesses, governments and communities around the globe, Concord Blue creates tailored solutions that safely and effectively dispose of waste streams while producing clean energy through advanced waste conversion.

LanzaTech's proprietary technology has earned a global sustainability certification from the Roundtable on Sustainable Biomaterials at a pre-commercial facility in China. The proven process is able to produce fuels and chemicals through the capture and reuse of a variety of gas streams, such as syngas, from gasified biomass, municipal solid waste and waste gases from industrial processes.

"This partnership and demonstration facility lays the foundation for the expeditious development of large scale projects we have been awarded, like the Four Forests Restoration Initiative (4FRI)," said Charlie Thannhauser, chairman and chief executive officer of Concord Blue. "This represents a critical step towards achieving our company's objective to produce drop-in fuels from waste resources and bolster foreign oil independence by producing sustainable non fossil-based fuels."

#### **About Concord Blue**

Concord Blue is a waste solutions innovator that transforms nearly any form of waste into a variety of clean, renewable fuels. On October 1st 2013, Concord Blue and Lockheed Martin reached an agreement in which Lockheed Martin will provide its engineering, procurement, manufacturing and integration experience to apply Concord Blue's patented technology globally. Concord Blue operates worldwide, with offices in the United States, Germany, India and Dubai.

#### **About LanzaTech**

LanzaTech is a leader in gas fermentation technology that provides novel and economic routes to fuels and high value chemicals from waste gas streams. By leveraging waste resources, LanzaTech's solutions mitigate carbon emissions from industry without adversely impacting food or land security. LanzaTech's unique process, certified by the Roundtable on Sustainable Biomaterials, creates sustainable fuels and platform chemicals that serve as building blocks for everyday products such as rubber and plastics. LanzaTech, a company founded in New Zealand and headquartered in the U.S. is now a global organization with partnerships and funders in India, Malaysia, Japan, the UK and two commercial facilities slated for construction in 2014 in China. More information is available at [www.lanzatech.com](http://www.lanzatech.com).

Media Contact: Jessica McHugh (303-527-4610); email: [jessica.mchugh@ogilvy.com](mailto:jessica.mchugh@ogilvy.com)

## **LOCKHEED MARTIN REACHES AGREEMENT WITH CONCORD BLUE TO DEPLOY ADVANCED GASIFICATION TECHNOLOGY GLOBALLY**

 Lh-head

October 1, 2013

LOCKHEED MARTIN REACHES AGREEMENT WITH CONCORD BLUE TO DEPLOY ADVANCED GASIFICATION TECHNOLOGY GLOBALLY

BALTIMORE, Oct. 1, 2013 – Lockheed Martin [NYSE: LMT] and Concord Blue USA, Inc., have reached an agreement to offer an advanced waste conversion system to address waste disposal, energy security and climate control issues. Advanced waste conversion is an emerging technology that uses gasification processes to convert waste products to electricity, heat and synthetic fuels. This solution addresses the current burden on landfills, conventional incineration and fossil fuels, as well as the desire for green baseload energy.

Lockheed Martin will provide its engineering, program management, procurement, manufacturing and integration experience to apply Concord Blue's patented technology globally in the expanding waste-to-energy arena.

"This agreement enables Lockheed Martin to combine our proven ability to meet complex project requirements and access to a broader, global market with Concord Blue's demonstrated technology, experience and global facilities," said Paul Klammer, director of bio energy programs at Lockheed Martin's Mission Systems and Training business. "With more than 7 billion people on the planet, sustainable waste disposal and a need for energy that is both secure and clean are quality of life issues. Leveraging Concord Blue's feedstock flexibility, combine

d with their ability to scale for smaller applications, uniquely positions us to solve waste disposal challenges, including those challenges industrial customers face.”

Concord Blue has developed a closed-loop, commercially-proven, non-polluting process that recycles waste into energy at virtually any scale. By working closely with leading businesses, governments and communities around the globe, Concord Blue creates tailored solutions that safely and effectively dispose of waste while producing clean energy through advanced waste conversion.

“This alliance with Lockheed Martin will allow Concord Blue’s innovative waste recycling technology to positively impact more communities around the world,” said Charlie Thannhaeuser, chairman and chief executive officer of Concord Blue. “This collaboration will enable us to deploy a compelling solution to a significant environmental, social and safety issue that affects every region of the world.”

Lockheed Martin takes a comprehensive approach to solving global energy and climate challenges, delivering solutions in the areas of energy efficiency, smart energy management, alternative power generation and climate monitoring. The company brings high level capabilities in complex systems integration, project management, information technology, cyber security, and advanced manufacturing techniques to help address these challenges. Today, Lockheed Martin is partnering with customers and investing talent in clean, secure, and smart energy – enabling global security, a strong economic future, and climate protection for future generations.

Concord Blue is a waste solutions innovator that transforms nearly any form of waste into a variety of clean, renewable fuels. Unlike other available waste-to-energy processes, Concord Blue’s unique technology benefits the environment, fulfilling all international, EPA and European regulations for renewable energy and air emissions. Concord Blue operates globally, with offices in the United States, Germany, India and Dubai.

Headquartered in Bethesda, Md., Lockheed Martin is a global security and aerospace company that employs about 116,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration, and sustainment of advanced technology systems, products, and services. The Corporation’s net sales for 2012 were \$47.2 billion.

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Media Contact: Scott Lusk, (240) 274-3554; email: [scott.lusk@lmco.com](mailto:scott.lusk@lmco.com)

For additional information about Lockheed Martin, visit our website: <http://www.lockheedmartin.com>

[DOWNLOAD PRESS RELEASE AS A PDF](#)

## Partnership with Good Earth Power Brings Electricity to Abuja, Nigeria

June 12, 2013

The Jonathan Goodluck Legacy Estate is part of a development of 100,000 houses and supporting infrastructure in Abuja. This development will provide much needed housing to a growing population, as well as critical infrastructure including renewable energy production provided by the Concord Blue Reformer. The first facility currently under construction will deliver 1.4MWe to the local grid, which will be used directly by the local community supported by infrastructure developed by Good Earth Power. Future Earth Power, the joint venture of Concord Blue and Good Earth Power, will provide all necessary power generation infrastructure for this development. The facility will process 20,000 tons of municipal solid waste and sewage sludge per year.

[concord\\_blue\\_waste\\_to\\_energy.vod - YouTube](#)



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[www.youtube.com/watch?v=fFcVikDOL1o](http://www.youtube.com/watch?v=fFcVikDOL1o)

2012. 2. 15. - 업로더: ConcordBlueEnergy

Concord Blue waste to energy facility. 1000 tons per day, Concord Blue Reformer <http://www>

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