

Lockheed Martin, Concord Blue to build bioenergy plant in Germany

By Lockheed Martin | November 20, 2014

Lockheed Martin and teammate Concord Blue announced a new contract to build a power generation facility that will provide a new, clean energy source to meet the needs of 5,000 homes and businesses in Herten, Germany.

The 5 MW power generation facility will transform forestry waste to power using Concord Blue's Reformer technology, which converts waste to energy through advanced gasification. Under this engineering, procurement and construction (EPC) contract, Lockheed Martin will provide overall project management, engineering and design, procurement and construction for the new facility.

"Lockheed Martin is excited to manufacture the Concord Blue technology, which advances how the world addresses clean energy and waste reduction challenges," said Mauricio "Mo" Vargas, [bioenergy](#) lead for Lockheed Martin's Mission Systems and Training business. "The Herten facility will demonstrate the accessibility of innovative energy technology to global customers."

Concord Blue's Reformer technology is feedstock-flexible, converting nearly any kind of organic waste into clean, sustainable energy. Unlike other available waste-to-energy

processes, Concord Blue's unique process employs a patented technology called steam thermolysis to convert waste material using heat transfer instead of incineration.

"Located at the Hydrogen Competence Center in Herten, this Concord Blue Reformer [CBR] will be a landmark in the region that receives international interest," said Concord Blue's founder and CEO Charlie Thannhaeuser. "This project represents the sixth commercial CBR, a testament not only to the technological quality of our waste-to-energy solution, but also to the economic viability."

In 2013, Lockheed Martin and Concord Blue [signed an agreement](#) to develop an advanced waste conversion system to address waste disposal, energy security and climate control issues through clean energy production. In October 2014, Lockheed Martin was selected as the exclusive manufacturing provider of the Concord Blue Reformer.

Concord Blue's unique technology benefits the environment, fulfilling all international, Environmental Protection Agency and European regulations for renewable energy and air emissions. Concord Blue operates globally, with offices in the United States, Germany, India and Dubai.

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.

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 113,000 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 2013 were \$45.4 billion.



First Concord Blue Reformer in Germany.
Lockheed Martin