

Advanced Energy Job Stimulus Program

A key component of Ohio's program to create new jobs and encourage economic development, the \$150 million Advanced Energy Job Stimulus Program is designed to support new technology projects on a fast track toward commercialization. As part of the \$1.57 billion job stimulus package signed into law by Governor Ted Strickland in June 2008, the goal of the program is to employ Ohio workers in the advanced energy jobs of the future.



Project Name:
CODA Automotive

Project Location:
Columbus, Ohio (Franklin County)

Applicant Information:

Lio Energy Systems (US) LLC ("Lio US") was formed in 2010 in an effort to replicate Li-ion battery pack manufacturing operations presently performed in China by Lishen Miles Power Battery System Co., Ltd ("Lio China") to a manufacturing site in the U.S., specifically at a new plant located in Columbus, Ohio.

Lio US, a privately held joint-venture, will be 60 percent owned by Lio Energy Systems Holdings (US) LLC ("Lio (US) Holdings") and 40 percent owned by Tianjin Lishen Battery Joint-Stock Co., Ltd. ("Lishen"). Lio US Holdings is wholly owned by CODA Holdings, Inc. ("CODA Holdings"), an American company headquartered in Santa Monica, California, which also owns a 40 percent interest in Lio China and a 100 percent interest in CODA Automotive, Inc. ("CODA Auto"), also located in California. Lishen is controlled by CNOOC Ltd. ("CNOOC").

Project Description:

Lio US will produce automotive grade lithium ion ("Li-ion") cells to make 34 kWh battery packs with advanced thermal management and battery management electronics. This project in Columbus, Ohio is to retrofit a manufacturing facility at the former Lucent Technology building. Lio US's battery pack systems will be produced primarily for use in CODA Auto's all electric sedan. CODA Auto will launch its sedan in the U.S. in 2011. Building this factory in Ohio will reduce CODA Auto's dependence on sourcing Li-ion battery packs from Lio China.

This project has the potential to significantly boost Ohio's advanced energy supply chain for the electric vehicle market. The technology for the battery pack has been developed over the past few years and is currently in production with Lio China at a factory in Tianjin, China. The \$40 million in state and federal public capital will leverage at least \$40 million in additional funding through matching investments from private capital resources.



CODA electric car

Funding Request: \$10,000,000

Approved Funding: \$10,000,000 loan

Total Projected Investment: \$711,000,000

Use of Stimulus Funds: Advanced energy battery manufacturing

Jobs Created: 1,000 new jobs

Type of Jobs Created: Manufacturing

Qualifying Technology: Advanced battery technology

Product to be Manufactured: Lithium-ion battery packs for the CODA electric car

Industry Sector Customers: Automotive



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