

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. The \$150 million advanced energy funding (over three years) seeks to increase the development, production and use of advanced energy technologies in the state, and is divided into two parts:

- \$66 million for clean coal technology projects administered through OAQDA's Ohio Coal Development Office (OCDO) (reviewed by staff, outside reviewers and the Technical Advisory Committee and approved by OAQDA); and
- \$84 million for non-coal-related projects in three \$28 million annual appropriations administered by OAQDA (reviewed by staff and outside reviewers, the Development Finance Advisory Council, approved by OAQDA and brought before Controlling Board for final approval).

**Project Name:****Cool Containers, LLC****Project Location:**

Marietta, Ohio (Washington County)

Applicant Information:

Cool Containers, LLC is a spinoff of Farrar Scientific, LLC. Farrar Scientific is a consulting company that specializes in the design and prototype manufacture of high performance, exotic refrigeration systems for the pharmaceutical, life science and semiconductor industries. As there is a very high volume requirement for the company's PharmaPort cold-chain cargo container, it was decided that a new company should be formed to deal with the manufacture and marketing of this product line. Farrar Scientific will continue to provide research and development services to Cool Containers. Cool Containers works closely with the transportation, pharmaceutical and diagnostic medicine sectors in the development of transportation systems for high-value raw materials and products starting with the PharmaPort 360.

Project Description:

Cool Containers has designed and optimized the PharmaPort 360, a cold-chain cargo container that can be used for the air transport of pharmaceuticals and other materials that require ultra-low temperature refrigeration. The company has completed development of the PharmaPort 360 with input and favorable feedback from customers. In fact, Cool Containers already has received



customer commitments for the PharmaPort 360. This equipment offers significant benefits over dry ice-based technologies and provides additional technical advantages over competing compressor-based systems. Cool Containers plans to launch the PharmaPort 360 container in late 2010 once approval is received by the Federal Aviation Administration.

The Cool Containers PharmaPort cold-chain cargo container

Funding Request: \$250,000

Approved Funding: \$235,870 loan

Total Projected Investment: \$2,751,870

Use of Stimulus Program Funds: Expansion of manufacturing facilities and equipment production

Jobs Created: 20 new full-time jobs

Jobs Retained: 7 full-time jobs retained

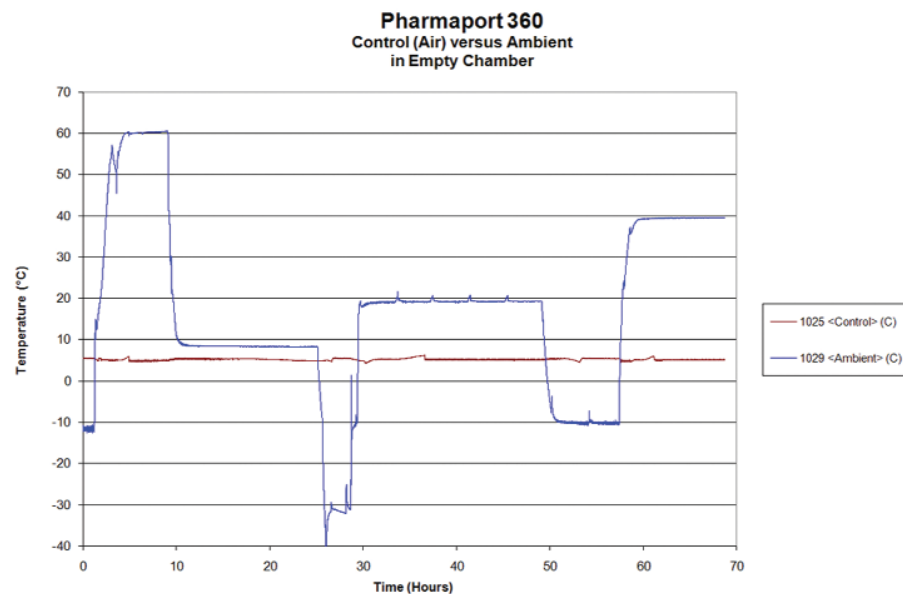
Type of Jobs Created: Manufacturing, sales, engineering and administrative

Qualifying Technology Category: Energy efficiency

Product to be Manufactured: PharmaPort 360 cold-chain cargo shipping container to be predominantly used for air freight

Industry Sector Customers: Pharmaceutical industry

Industry Sector Suppliers: Metal fabricators, electronics/PCBA manufacturers, refrigeration components manufacturers, eutectic manufacturers



Environmental tests show the PharmaPort 360 holds pharmaceutical products at a constant temperature over extreme temperature changes while in the transport mode



Mark R. Shanahan

Governor's Energy Advisor and
Executive Director, Ohio Air Quality
Development Authority

Ohio Air Quality Development Authority
50 W. Broad Street, Suite 1718
Columbus, Ohio 43215
614-224-3383
www.ohioairquality.org



Carl Hauptmann

Director of Operations

Cool Containers, LLC
30765 State Route 7
Marietta, Ohio 45750
740-374-8129
www.coolcontainersllc.com