



Entrance to SCI offices

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.



SCI Engineered Materials

Project Name:

SCI Plant Expansion

Project Location:

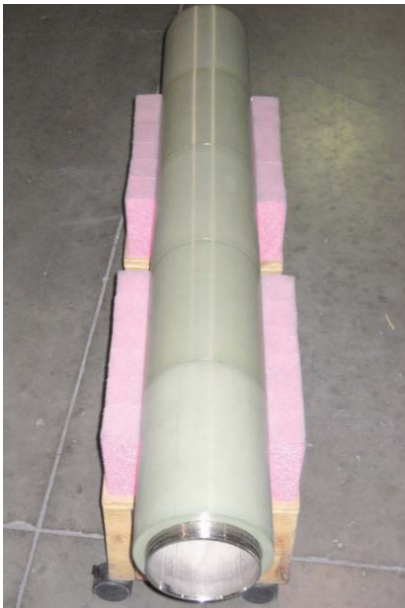
Columbus, Ohio (Franklin County)

Applicant Information:

The late Dr. Edward Funk founded Superconductive Components, Inc. in 1987 for the purpose of manufacturing high-temperature superconductivity material. Since 2002, the company has operated under the name SCI Engineered Materials, Inc., and its main focus has been advanced materials for customer applications in thin-film layers used by the physical vapor deposition industry. SCI is a leading manufacturer of complex ceramic, metal and alloy products for the thin film battery, photovoltaic, media storage, flat panel display, semiconductor, electronic and photonic industries. Throughout its history, SCI has conducted funded research under grants from such organizations as the U.S. Department of Energy, the National Science Foundation, NASA and the Ohio Department of Development.

Project Description:

SCI Engineered Materials, Inc. is a leading manufacturer of its "transparent conductive oxide" products and now needs to expand its manufacturing capacity to meet demand for materials used in the production of thin-film solar panels. Heretofore, SCI has used Third Frontier grants to get into small-scale manufacturing of this product. Under the proposed project, SCI will use the loaned funds to help finance the acquisition of machinery and equipment to increase its production capacity by eight times, thereby keeping pace with anticipated demand from the solar market. SCI will remain at its Columbus location and likely will acquire additional space at that location for its planned expansion.



Ready-to-ship transparent conductive oxide (TCO) "target"



TCO cylinders before removal from kiln

Funding Request (adjusted): \$1,365,780

Approved Funding: \$1,365,780 loan

Total Projected Investment: \$3,003,780

Use of Stimulus Program Funds: Expansion of manufacturing facilities

Jobs Created: 50 new full-time jobs

Jobs Retained: 26

Type of Jobs Created: Manufacturing

Qualifying Technology Category: Solar energy

Product to be Manufactured: Transparent conductive oxide materials

Industry Sector Customers: Solar power industry



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SCI Engineered Materials

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