



For Immediate Release

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Ohio Third Frontier Approves More Than \$12.5 Million to Support New Technologies and Entrepreneurship

COLUMBUS – Today the Ohio Third Frontier Commission recommended more than \$12.5 million in funding through the Ohio Third Frontier Industrial Research and Development Center Program, the Ohio Third Frontier Technology and Validation Start-Up Fund, and the Ohio Third Frontier Entrepreneurial Signature Program.

“These investments in Ohio’s tech-based economy are critical to the growth of new technologies, ideas, and talent that make Ohio a leader in innovation,” said Christiane Schmenk, Director of the Ohio Department of Development and Chair of the Ohio Third Frontier Commission. “We are ensuring life-changing technology is supported while creating key industry jobs for Ohioans.”

Fiscal Year 2012 Ohio Third Frontier Industrial Research and Development Center Program

The Industrial Research and Development Center Program (IRDCP) is designed to attract and expand large, nationally designated, and highly visible corporate, nonprofit, or federal research and development centers or laboratory facilities to Ohio. A center or laboratory must involve one or more of the following criteria: (1) conducts value-added applied research at the direction of or in collaboration with Ohio industry; (2) performs industry-directed and industry-oriented problem solving; and (3) develops technologies that can be commercialized by or in partnership with an Ohio for-profit company. The IRDCP supplements Ohio organizations’ proposals for such centers by providing funding that serves as cost share, thereby improving the competitiveness of the proposal and enhancing the potential for a center being located in Ohio.

A funding commitment of \$2,133,750 was approved for **Youngstown State University**, located in the City of Youngstown (Mahoning County), for the *The TechBelt Additive Manufacturing Innovation Institute*. The project was recently approved for \$30 million in federal funding through the U.S. Air Force Research Laboratory. The center will serve as the pilot in a network of national centers aimed at the critical areas of manufacturing process development and economic growth, particularly in the defense, aerospace, and medical manufacturing industries. This project involves more than 90 companies, including Lockheed-Martin, Lubrizol, M-7 Technologies, the Timken Company, and Kent Displays, as well as the University of Akron, Lorain County Community College and Case Western Reserve University. Youngstown State estimates 500 jobs will be created as a result of the IRDCP award.

Fiscal Year 2012 Ohio Third Frontier Technology Validation and Start-Up Fund

The goal of the Ohio Third Frontier Technology Validation and Start-Up Fund (TVSF) is to create greater economic growth in Ohio-based, start-up companies that commercialize technologies developed by Ohio institutions of higher education and other Ohio not-for-profit research institutions. The TVSF supports technologies inside these institutions that need known validation, such as the building of a prototype before a technology is commercially viable and able to support a start-up. The TVSF also supports Ohio start-up companies that license these technologies with funds to help move the technology forward to successful commercialization.

ALPPS Ltd., located in the City of Dublin (Franklin County) was awarded \$100,000 for its project, *Advanced Language Performance Portfolio System (ALPPS)*. The project will develop a software product that will provide, initially for the academic sector, an assessment of an applicant's language skills.

CGC Ultramarine LTD, located in the City of Columbus (Franklin County), was awarded \$100,000 for its project, *Marine Jet Propulsion System*. The project will develop a prototype of a new propulsion system for marine applications.

Cincinnati Children's Hospital Medical Center, located in the City of Cincinnati (Hamilton County), was awarded \$50,000 for its project, *Suicide Risk Index (SRI)*. The project will support a clinical study to validate a software product that assists healthcare workers in more accurate identification of suicidal patients.

Cincinnati Children's Hospital Medical Center, located in the City of Cincinnati (Hamilton County), was awarded \$50,000 for its project, *Neonatal Intensive Care Unit Magnetic Resonance Imaging (NICU MRI)*. The project will develop a Magnetic Resonance Imaging (MRI) machine especially adapted for use in the Neonatal Intensive Care Unit.

Core Quantum Technologies, Inc., located in the City of Columbus (Franklin County), was awarded \$100,000 for its project, *Next Generation Illuminators for Imaging and Detection Applications*. The project will develop a more sensitive detection technology to be used in medical tests.

I-COMET Technologies Inc., located in the City of Cleveland (Cuyahoga County), was awarded \$100,000 for its project, *Portable Concussion Assessment*. The project will develop a tablet computing-based software application that will provide portable testing to assess concussion in athletes.

NGJ LLC, located in the City of Akron (Summit County), was awarded \$100,000 for its project, *New Low-Cost, Small Diameter NGJ Carbon Fibers*. The project will accelerate scale-up and production of low-cost, small diameter carbon fibers to provide the quantity of materials needed for production testing.

Ohio University, located in the City of Athens (Athens County), was awarded \$50,000 for its project, *Advanced Catalytic Material and Supercritical Reactor for Cost Effective Treatment of Flowback/Produced Waters from Unconventional Shale Gas Wells*. The project will provide validation of a process developed to treat waste water produced by shale gas wells.

The Cleveland Clinic, located in the City of Cleveland (Cuyahoga County), was awarded \$50,000 for its project, *Smart Treatment of ADHD*. The project will develop a technology that optimizes drug dosing for Attention Deficient Hyperactivity Disorder, improving therapeutic outcomes.

The Ohio State University, located in the City of Columbus (Franklin County), was awarded \$50,000 for its project, *Electromagnetic Probe for Real-Time Identification of Surgical Margins during Removal of Solid Malignancies*. The project will develop a probe for use during surgical procedures to determine if all cancer tissue is removed, reducing the need for follow-up procedures.

The Ohio State University, located in the City of Columbus (Franklin County), was awarded \$50,000 for its project, *Self-Administered Gerocognitive Examination (SAGE) Apple iPad application analysis and reporting engine*. The project will develop a technology for wide distribution that allows self-administered tests of cognitive skills for early detection of diseases such as Alzheimer's.

University of Akron, located in the City of Akron (Summit County), was awarded \$50,000 for its project, *A Highly Selective Pyrophosphate Sensor for Biological Applications*. The project will develop a sensor to monitor polymerase chain reactions, a technique used in a rapidly expanding number of medical tests.

University of Toledo, located in the City of Toledo (Lucas County), was awarded \$50,000 for its project, *Injectable Bone Cement*. The project will develop new injectable cement to secure implants such as screws and other devices inserted into bones of the spine.

Fiscal Year 2012 Ohio Third Frontier Entrepreneurial Signature Program

The goals of the Ohio Third Frontier Entrepreneurial Signature Program (ESP) are to continue to provide entrepreneurial services with demonstrated value through the ESP networks; maintain an entrepreneurial assistance climate supporting the creation, retention, and attraction of investable Ohio technology companies; attract the resources of venture capital firms both within and outside of Ohio; and build a network of universal support for technology companies within the state. The following two ESP organizations are the first of six that will be considered for funding by the Ohio Third Frontier Commission in the coming months:

Cincinnati USA Regional Chamber, located in the City of Cincinnati (Hamilton County), was awarded \$5.5 million for 2013 and 2014.

Development Projects, Inc., located in the City of Dayton (Montgomery County), was awarded \$4 million for 2013 and 2014.

Ohio Third Frontier, an unprecedented and bipartisan commitment to create new technology-based products, companies, industries, and jobs, has attracted more than \$7.3 billion in other investments to Ohio, and has a nearly 9:1 return on investment since its inception. The Ohio Third Frontier has also assisted in the creation and retention of more than 88,000 direct and indirect jobs for Ohioans. For more information, visit ohiothirdfrontier.com. For more information on Ohio's entrepreneurship activities, visit www.hivelocitymedia.com.

Working with partners across business, state and local governments, academia, and the nonprofit sector, the **Ohio Department of Development** works to attract, create, grow, and retain businesses through competitive incentives and targeted investments. Engaged every day in marketing, innovating,

*investing, and collaborating, the **Ohio Department of Development** works to accelerate and support the teamwork that is necessary for success by providing financial, informational, and technical assistance to those making an investment in Ohio's future.*

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