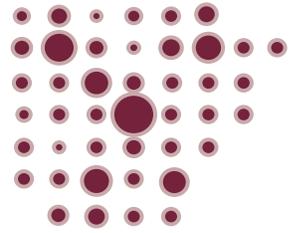


FAST Assistance in Arkansas



Synanomet Little Rock

EPA SBIR
Phase I, Phase II

Development of nanomaterial to remove phosphorous from agricultural runoff and in water treatment plants

Total \$379,355

2013, 2012

The Arkansas Small Business and Technology Development Center assists entrepreneurs whose business focus is on innovation, new technology development, or new applications of existing technology.

INNOVATION SERVICES

- Business modeling and planning
- Small Business Innovation Research and Small Business Technology Transfer (SBIR/STTR) proposal development assistance
- High-quality market research
- Online and classroom training
- New product development and commercialization
- Advice on alternative funding sources

Arkansas SBTDC received Federal and State Technology (FAST) awards in 2013, 2012, 2011, 2010, 2007, and 2004.

The special funding has allowed us to expand our assistance and outreach to science and technology-based small firms. We have particularly focused on promoting SBIR/STTR and increasing the number of SBIR/STTR submissions and awards by and to Arkansas companies.

The firms listed all received FAST-funded assistance through Arkansas SBTDC.



SFC Fluidics Fayetteville

NIH SBIR
Phase II

Development of diagnostic instrument to provide timely and effective bedside monitoring of patients with traumatic brain injury

Total \$1,500,000

2014



Fauxsee Innovations

Magnolia
NSF SBIR
Phase I, Phase IB

Development of assistive device for the sight impaired to prevent head and upper body injuries

Total \$164,500

2013

NanoWatt Design Fayetteville

NSF SBIR Phase I

Development of integrated circuit design technology that consumes less energy without loss of speed or performance in low-power electronics

Total \$150,000

2013

Agri Wind Turbines Little Rock

USDA SBIR Phase I

Development of a vertical axis wind turbine from a modified grain silo to produce affordable wind energy for farms

Total \$100,000

2012



Poly Adaptive Little Rock

DOT SBIR
Phase I

Investigation of the application and use of self-cleaning nanoscale materials to eliminate dirt and mud buildup on railroad inspection systems

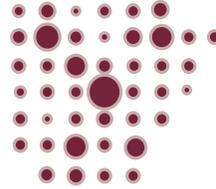
Total \$150,000

2012



ASBTDC

ARKANSAS SMALL BUSINESS AND TECHNOLOGY DEVELOPMENT CENTER



MENTORING Arkansas SBTDc targeted high-technology researchers and entrepreneurs who are women, veterans, minorities, or from institutions historically under-represented in SBIR/STTR for intensive mentoring. To date, 87 clients have received mentoring from Arkansas SBTDc's innovation consulting staff since 2010. One mentee was Dr. Tito Viswanathan of Synanomet LLC. During mentoring, Viswanathan develop an SBIR Phase II application that resulted in a \$300,000 award from EPA. In the highly competitive award process, just 25 of 425 applications were funded, and only seven were selected for Phase II funding.



ARKANSAS BUSINESS, the state's premier business publication, lauded Arkansas SBTDc in an Aug. 5, 2013, editorial for assisting **Fauxsee Innovations LLC** after the company received an SBIR Phase I award to develop its first product, an assistive device for the sight-impaired.

At first, co-founders Brandon Foshee and Timothy Zigler were overwhelmed by the requirements to participate in the SBIR program and were considering raising only private money to support their research and development efforts. Through its FAST-supported mentoring program, the Arkansas SBTDc worked closely with them to commercialize their idea with SBIR funding.

"Although the outcome is far from certain, the endeavor is promising: two sons of Arkansas, assisted by Arkansas educational institutions and the federal government toward their goal of manufacturing a product to help the visually impaired navigate the world. **That sounds like help we can get behind,**" the editorial concluded.

TRAINING Discovering that many Arkansas high-technology entrepreneurs and researchers lacked knowledge of SBIR/STTR, the Arkansas SBTDc has emphasized education and training about the federal funding opportunity for early-stage research and development by offering...

- Full-day commercialization, technology roadmapping, and SBIR/STTR proposal writing workshops
- One-hour introductory SBIR/STTR seminars
- Live SBIR/STTR webinars in collaboration with federal agencies and featuring presenters from NIH, USDA, EPA, NSF, and DoEd
- "Get Ready for SBIR/STTR" online course

330 attendees have participated in Arkansas SBTDc innovation training events since 2010.

Sea Star International Fayetteville USDA SBIR Phase II

Development and optimization of all-natural antimicrobials that can be applied to raw and ready-to-eat poultry products and add value to agricultural wastes
Total \$450,000

2012



Acetaminophen Toxicity Diagnostics Little Rock NIH STTR

Phase I, Phase II

Development of a commercial-ready point-of-care dipstick test that can significantly reduce diagnosis time of acetaminophen-induced liver injury
Total \$2,091,920

2011, 2008

Infinite Energy Jonesboro USDA SBIR

Phase I, Phase II

Development of technology to inexpensively produce enzymes that can convert cellulosic biomass to biofuels such as ethanol
Total \$530,000

2012, 2009