



REPORT MPACT

LETTER FROM THE EXECUTIVE DIRECTOR

As the new Executive Director of the Oklahoma Center for the Advancement of Science and Technology (OCAST), I am proud to reflect on our past accomplishments, recap our present status, and excited to announce new opportunities that will lead OCAST into the future.

Since our founding in 1987, OCAST has been committed to promoting and supporting science and technology-based economic development in Oklahoma. Over the years, we have helped hundreds of businesses and researchers bring innovative ideas to life, creating jobs and driving economic growth in the state.

As we look to the future, we are focused on expanding our impact even further. This move has brought in new partners, new programs, and new possibilities for innovators in Oklahoma. We are proud to announce that the U.S. Treasury has awarded us State Small Business Credit Initiative (SSBCI) funding to support Oklahoma's small businesses and entrepreneurs. This funding will help to provide crucial capital to those businesses in need and allow them to expand and grow. Additionally, we are working to strengthen the Oklahoma Accelerator Program, which provides mentorship and resources to help start-ups and small businesses grow and thrive.

Beyond supporting small businesses, we are also investing in emerging science and technology solutions to ensure that Oklahoma remains at the forefront of scientific discovery and technological innovation. By doing so, we are positioning our state as a leader in addressing global challenges in those core areas Oklahoma is positioned to excel including, autonomous systems, aviation, and defense, biotechnology and life sciences, and energy diversification.

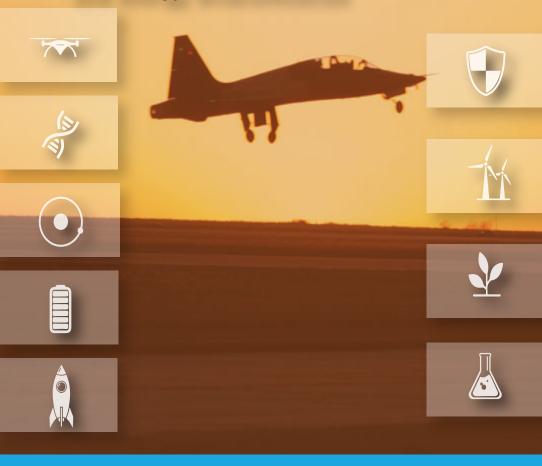


As we move forward, we remain dedicated to fostering collaboration and innovation in Oklahoma's science and technology community. We are grateful for the support of our stakeholders and partners, and we look forward to continuing our work to advance science and technology in Oklahoma.

fennifer MCGraul Executive Director, OCAST

IMPACTING INNOVATION IN OKLAHOMA

Working to grow core industries of Aerospace, Autonomous Systems, Defense, Biotechnology and Life Science, and Energy Diversification



Oklahoma Innovation propels our state forward, accelerates economic growth, and solves society's challenging problems.

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1986 The Health Research program was created

1987 OCAST created by the Oklahoma Legislature

State Question 611 established the Seed Capital program; Small Business Research Assistance was created

1990 The Oklahoma Applied Research support program was created

The Industrial Extension System was created (Oklahoma Manufacturing Alliance)

1998 Created the Oklahoma Technology Commercialization Center;
Inventors Assistance Service transferred to OCAST

2003 OCAST surpasses \$1B in Return on Investment for Oklahoma

2017 OCAST turns 30!

2018 The OCAST supported Oklahoma Catalyst program established

Oklahoma Science Technology Research and
Development Board (OSTRaD) realigned and moved to
9 members representing industry and academia partners

2022 HB4362 Created the STEM Intern Partnership Program as a standalone program in state statute

RESULTS

ANCIAL IMPACT OF OCAST PROGRAM 13131920194

\$294M+ INVESTED IN R&D

.....

\$6.5B+

PRIVATE SECTOR & FEDERAL FUNDING

RESULTS

JOBS IMPACTED

OVER THE LAST FIVE YEARS

2000+

INTERNSHIP JOBS IMPACTED

2022

84

COMPANIES THAT WILL HIRE THEIR OCAST INTERNS

2022

42

Oklahoma Applied Research Support (OARS)

OCAST awards funding of up to \$500,000 to companies leading innovation projects that have the potential to create economic impact in Oklahoma.

Small Business Research Assistance

OCAST provides funding for research projects, facilitates partnerships and collaborations, and assists small businesses in obtaining federal funding.

Intern Partnership

Companies can obtain up to \$30,000/year for two years to cover student intern salary and project costs for innovative industry projects.

Technology Commercialization Center

Works with thriving startups to assist with the development of new companies and spur innovation across existing companies.

Inventor's Assistance Service

Provides guidance and resources to Oklahoma's inventors in the area of preliminary patent searches, market analysis and more.

Manufacturing Assistance

Is a network of trusted experts working with manufacturers to help them grow and evolve.

A few of our OCAST trusted partners...











CENTER FOR INTEGRATED BUILDING SYSTEMS

College of Engineering, Architecture and Technology

Through support from both the Intern and OARS programs, OCAST has provided incredible value to CIBS and its Oklahoma-based manufacturers. OCAST support enabled us to pilot an internship program that continues. In 2022, we were able to expose 86 students to building systems, many of whom were ultimately employed by our members.

Dr. Craig Bradshaw Director, CIBS



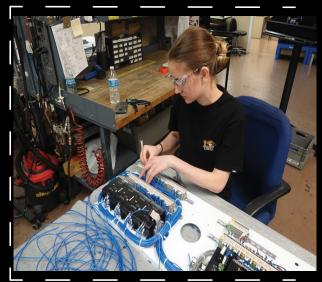
Recruiting engineering talent can be a challenge for our companies and we believe that this program will have a positive impact by retaining talent that might not have considered careers in their back yard. We are grateful that OCAST entrusted us to conduct this pilot program and are confident that will result in outcomes that we intended. OCAST has been a great partner for MidAmerica and its companies over the years and continue to innovate to bring value to Oklahoma's economy.



Scott Fry

Director of Workforce Development

Talia Pearl, Pryor High School Mid-America Industrial Park STEM Program



Talia wires a control panel that she helped design at HE&M Saw for a new automated carbide manufacturing center.

INDUSTRIAL PARK

I was able to gain hands-on experience in a plethora of fields and even tour businesses, seeing first hand what a day might be like working at that company. Additionally, during these tours I made countless connections that could lead to internship opportunities during college and employment afterwards.

Benton Raymer, Pryor High School Mid-America Industrial Park STEM Program



Abby Emert, Pryor High School Mid-America Industrial Park STEM Program





We had an incredible innovative product that was setting idle on a back shelf waiting for the right people to get behind what would be a revolutionary change in the Federal Highway System. OCAST were those right people. We were able to take this product and build the momentum and funding needed to put Sign Dart up against decade-long systems and showcase the incredible versatility and capacities, it alone could accomplish. The good people that represent OCAST aided in Sign Dart's journey to TTI (Texas A&M Transportation Institute) where Sign Dart successfully passed MASH TL-3 testing and is now being sent both domestically and Internationally to DOTs across the world.

OCAST's mission of continuing innovation for Oklahoma and steadfast determination to grow our economy and compete to be the best in science and technology is clearly prevalent in the work they helped us to accomplish with Sign Dart. Representing our state to the highest standard of manufacturing and quality, we are able to produce a product that is not only faster, more efficient, and completely reusable, the Sign Dart is a safer alternative for our teams maintaining and building our highways systems. The partnership with OCAST made this opportunity possible.



State Small Business Credit Initiative

Under the American Rescue Plan Act of 2021, OCAST has been allocated \$82M in State Small Business Credit Initiative (SSBCI) funding to improve funding accessibility for startups and small businesses across Oklahoma.

Oklahoma Accelerator Program

Funded by the State legislature in 2021, this program creates accelerator opportunities across the state. OCAST is proud to be partnering with gener8tor to offer the Oklahoma City accelerator, Techstars to offer the Build in Tulsa accelerator, and the Oklahoma Farm Bureau to offer the AgLaunch Oklahoma rural accelerator program.

American Rescue Plan Act

Through HB 1018, the Oklahoma Legislature has given OCAST the opportunity to partner with organizations across the state to initiate projects funded through the American Rescue Plan Act. OCAST is excited to work with Fab Lab Tulsa, The University of Tulsa, FISTA, OKC Innovation District, Moore -Norman Aviation Academy, and Central Oklahoma Manufacturing Alliance and maximize the impact of these projects.

OCAST is governed by the Oklahoma Science and Technology Research and Development (OSTRaD) Board of Directors (Title 74, Section 5060.6). This 9-member board of directors consists of the State Secretary of Science and Innovation as the OSTRaD board chair with four members appointed by the Governor and two each by the State Senate and House.



Elizabeth Pollard
CHAIR of OSTRaD



Blayne Arthur Secretary of Agriculture



Sean Bauman



David Ingram
Phillips 66



Thomas Kupiec ARL/DNA Solutions



Dan Marticello



Kenneth Sewell
Oklahoma State University



Jeff McCormack
Oklahoma Christian University



Brenda Rolls
Frontier Electronic Systems

Jennifer McGrail Executive Director **Joyce Coleman**Executive Assistant

PROGRAMS

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Mark Ballard Programs Manager

Connie LakeAssociate Director, Programs
Central + Southern Oklahoma

Heather McDowellAssociate Director, Programs
Tulsa + NE Oklahoma

Laura Sohl-Smith Programs Officer

Sam Snow Programs Officer

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