



EDD

ECONOMIC
DEVELOPMENT
DEPARTMENT

NM SBIR Awardees FY19

Fourth Round FY19

IDEAS Engineering and Technology develops high-reliability, cost-effective electronics subcomponents for space applications. They currently have an SBIR Phase II grant from the Air Force Research Laboratory. The company is based out of Albuquerque and was founded in 2011. They will receive \$50,000 from the program.

mPower Technology is commercializing technology to capture solar energy at the highest possible efficiency. They currently have an SBIR Phase I grant from the Army. The company is based out of Albuquerque and was founded in 2015. They will receive \$25,000 from the program.

Third Round FY19

Actoprobe, LLC is a start-up company developing and selling custom optical spectroscopy/microscopy instruments for conventional Scanning Probe Microscopy (SPM or AFM). The company is based in Albuquerque and was founded in 2009. The company will receive \$50,000 from the program. November 28, 2018

Advanced Optical Technologies (AOT) delivers next-generation solutions in physical optics, encompassing polarimetry, diffractive rendering, scatterometry, and photonic materials. AOT provides one-stop physics-based solutions, from early-stage research and feasibility analysis through verifiable modeling and simulation, custom metrology and experimentation, optomechanical and electro-optical design, data acquisition and analysis, algorithms and software, and custom-built prototypes. The company is based in Albuquerque and was founded in 2004. The company will receive \$50,000 from the program.

iBeam Materials is a new company focusing on technologies for crystal-aligned coatings utilizing ion-beam-assisted deposition (IBAD) texturing. iBeam was spun-off from Los Alamos National Laboratory. iBeam makes high-quality IBAD textured substrates on metal tapes and wafers for customers' R&D needs. The company is based in Santa Fe and was founded in 2011. The company will receive \$50,000 from the program.

Picotek LLC is a company focused on developing laser-cooled platforms for electronic cooling applications. The company is based in Albuquerque and was founded in 2014. The company will receive \$25,000 from the program.

UbiQD, Inc. is a nanotechnology company that manufactures high-performance cadmium-free quantum dots and composite materials. The company uniquely focuses on applications that utilize its materials to manipulate sunlight, enabling solar windows and spectrum-controlled greenhouses. Spun out of technology developed at Los Alamos National Laboratory, Massachusetts Institute of Technology, The University of Washington, and Western Washington University, UbiQD envisions a future where quantum dots are ubiquitous in a wide spectrum of applications. The company is based in Los Alamos and was founded in 2014. The company will receive \$50,000 from the program.

Woodruff Scientific offers assistance with all stages of scientific innovation: concept design, engineering design, procurement, fabrication, installation, testing, and operations. The company is based in Santa Fe and was founded in 2005. The company will receive \$25,000 from the program.

Second Round FY19

IR Dynamics is developing a low cost, thermally dynamic, nanoparticle technology that will be incorporated into a variety of products where controlling solar heat gain and infrared reflectivity is a significant advantage. The company is based in Albuquerque and was founded in 2014. Technology is licensed in part from Sandia National Laboratory. The company will receive \$100,000 from the program.

Osazda Energy provides materials engineering solutions to improve solar cell and solar module reliability with special metal matrix composites that have been proven to electrically bridge stress-induced cracks that self-heal to regain electrical continuity. The company is based in Albuquerque and was founded in 2017. Technology is licensed in part from the University of New Mexico. The company will receive \$50,000 from the program.

Vibrant Corporation provides Process Compensated Resonance Testing (PCRT) services to the aerospace and power generation industries worldwide, as well as to materials laboratories, through its facilities in the United States and Germany. The company is based in Albuquerque and was founded in 2006. Technology is licensed in part from Los Alamos National Laboratory. The company will receive \$100,000 from the program.