

National Aeronautics and Space Administration

SENTIENT SCIENCE

Originally in Idaho Falls, ID | 100 employees



Image courtesy of the U.S. Marine Corps

Sentient used a NASA SBIR contract to validate its software against testing data for a helicopter gear. The result was a way to predict and extend machinery life using computation rather than physical testing.

Significant Business Growth

The company doubled staff, tripled annual revenues, pursued capital to break into more industries, and is looking toward going public.

COMPOSITEX, INC.

Sandy, UT | 3 employees*

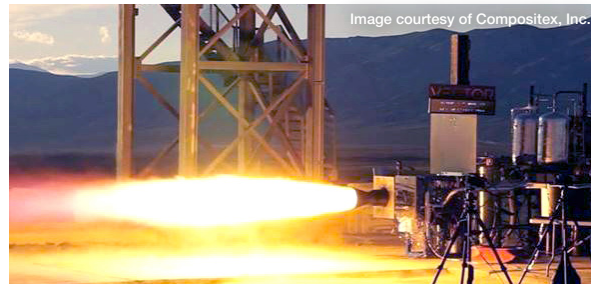


Image courtesy of Compositex, Inc.

NASA SBIR funding helped this small launch vehicle company to advance its propulsion concepts, enabling engagement with partners in the competitive aerospace market.

A Stepping Stone

Results of the R&D for the NASA SBIR project have been used internally by the company as well as by the Air Force Research Laboratory.

“SBIR is a good way for companies to get noticed. It builds their capabilities and know-how so they can prosper in the marketplace.”

—DAN MOSER, CEO, COMPOSITEX

“The SBIR program continues to be very beneficial for us as we take this technology into new areas and do things we weren’t able to do in the past.”

—DAN CRAWFORD, OWNER, CONTROL VISION INC.

“In working with NASA’s SBIR program, we’ve been able to develop new products that never would have been feasible for us to develop on our own.”

—JOHN BOGNAR, FOUNDER, ANASPHERE

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NASA SBIR/STTR Program

sbir.nasa.gov

www.nasa.gov

NASA Publication Number TBD

Small Businesses Tap into America’s Seed Fund and Help NASA

U.S. companies with less than 500 employees can receive funding to pursue innovative ideas while helping address our nation’s technical challenges, thanks to the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs.

Here are just a few of the hundreds of companies—spanning a wide range of industries—that used SBIR/STTR funds from NASA for their cutting-edge research and development (R&D).

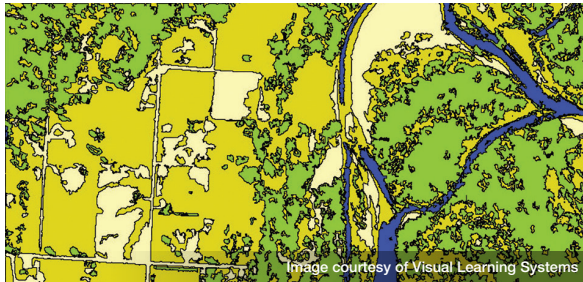
Through SBIR/STTR, small companies successfully access new markets, grow their business, and expand their capabilities while helping NASA achieve its goals.

Your small business could make an impact supporting NASA’s initiatives. Visit <https://sbir.nasa.gov> to learn more.



VISUAL LEARNING SYSTEMS

Missoula, MT | Acquired by Textron Systems



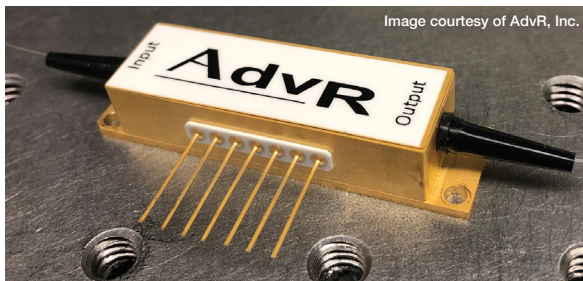
Conceived under a NASA SBIR contract, the Feature Analyst™ software quickly and accurately extracts geospatial features from satellite imagery to populate geographic information systems (GIS) databases.

Market Penetration

The software gained industry-wide attention, winning an ArcGIS Challenge Contest and prompting acquisition first by Overwatch and then by Textron Systems.

ADVR INC.

Bozeman, MT | 19 employees



SBIR contracts with NASA enabled AdvR to develop a compact, robust electro-optic module, leading to new devices that address a broad range of remote sensing needs.

Significant Company Growth

AdvR has enjoyed growth in global revenue and increases in company headcount.

CONTROL VISION INC.

Originally in Idaho Falls, ID | 4 employees*



Beginning in the 1980s, Control Vision developed—and still offers today—products that have their origins in the company's SBIR work for NASA.

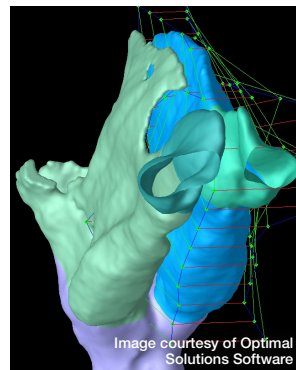
Problem Solved

The company offers high-resolution, real-time video imaging of high-temperature/energy processes, such as additive manufacturing and arc welding.

OPTIMAL SOLUTIONS SOFTWARE

Idaho Falls, ID & Provo, UT | 4 employees*

After working on an SBIR project to optimize the shape of complex pipe components at NASA, the company took the next-phase step into the marketplace for its Sculptor® product.



Broad Commercial Success

The company now distributes its products in North America, the European Union, Japan, South Korea, and China.

ANASPHERE

Belgrade, MT | 4 employees



Anasphere used SBIR funding to develop water-content sensors for clouds, which are now used by NASA, other government agencies, and commercial customers worldwide.

Expanding Partnerships

Success catalyzed the formation of new manufacturing relationships—bringing in valuable expertise while maintaining lean operations.

HYPERCOMP ENGINEERING INC.

North Brigham City, UT | 12 employees*

HyPerComp worked with NASA to develop a more robust and safer pressure vessel that meets both NASA and commercial needs.

NASA and Other Uses

- Cryogenic tanks for next-generation launch systems
- Tanks for firefighters
- Chemical processing
- Pharmaceutical manufacturing
- Fuel tanks for hydrogen-powered cars and buses



BIG HORN VALVE

Sheridan, WY | 3 employees*



This company used SBIR funding to develop a revolutionary leak-proof cryogenic valve technology, reducing launch vehicle complexity.

Commercial Markets

- Petroleum refining
- Chemical production
- Pharmaceuticals manufacturing
- Industrial flow-control
- Food processing equipment

DIGITAL SOLID STATE PROPULSION

Reno, NV | 6 employees



SBIR contracts enabled this company to develop small satellite microthrusters and space propellants that led to new products and business growth.

Products for a Range of Markets

- Aerospace
- Oil well rejuvenation
- Waterless fracking
- Avalanche control
- Entertainment industry non-pyrotechnic sparks
- Military training simulations