National Aeronautics and Space Administration

NASA's Impact in Hawaii: A Tech Transfer Perspective

You know that NASA studies our planet, our sun, the solar system, and the Universe.
But did you know about the space program's economic impact here on Earth?

In 2011, NASA invested over **$19 million** in the state of Hawaii.

Since 2001, NASA's SBIR/STTR Program has invested nearly **$70,000** in **Hawaii** and more than **$1.2 billion** nationwide.

How NASA's SBIR/STTR Program Benefits Hawaii

NASA is committed to moving technologies and innovations into the mainstream of the U.S. economy, and the Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) program helps fulfill this goal.

SBIR/STTR stimulates technological innovation by encouraging small, high-tech companies—particularly minority and disadvantaged businesses—to partner with NASA to help meet its research and development needs in key technology areas. At the same time, this program strengthens small companies by enabling them to bring cutting-edge new products into the U.S. economy.

The list below highlights a Hawaiian business that received an SBIR/STTR contract from NASA. **(Visit http://sbir.nasa.gov for more information on the SBIR/STTR program.)**

NASA SBIR/STTR Company in Hawaii

Innovative Technical Solutions, Inc. .....Honolulu

Featured Spinoff to Hawaii Company

Technology Integrates Geographic, Environmental Data in Interactive Repository *(Honolulu)*

Technology originally developed to monitor astronaut health in space is now helping researchers examine Earth's natural resources and mitigate the effects of natural disasters. Extending the work of a NASA-Stanford University initiative, Intelesense Technologies employs networks of wireless sensors for air, water, weather, and images, and automatically integrates the sensor information with other data sources. The aggregated data is displayed in an interactive, three-dimensional interface that helps users navigate diverse data sets to review the data in meaningful ways. The company deploys the technology in Hawaii, the continental United States, Asia, and Africa. Projects include investigating the effects of weather patterns on geographical regions, tracking water-borne disease outbreaks, monitoring watershed hydrology in response to emerging social conflicts, and examining ecosystem health.

NASA actively seeks partnerships with U.S. companies that can license NASA innovations and create "spinoffs" in areas such as health and medicine, consumer goods, transportation, renewable energy, and manufacturing. This activity benefits the regional economy and strengthens the nation's competitiveness in the global marketplace. NASA has helped 25 Hawaii companies develop revolutionary spinoff technologies.

Learn more about how NASA innovations benefit the public in *Spinoff*, which highlights NASA's technology transfer successes. **(Available at: http://www.sti.nasa.gov/tto)**

hawaii

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