



Hawaii NANOTECHNOLOGY



Synthetic Virus

*Concrete Joint Nano-Sealant
for High Temperatures*

*Meta-Materials for Passive
Hearing Protection*

Nano Surfboard

The High Technology Development Corporation (HTDC) is the administrator for the Hawaii Small Business Innovation Research (HSBIR) awards, and has a budget of around \$520,000 per year. The purpose of the HSBIR award is to assist Hawaii-based Phase I awardees, enhance their SBIR project development, compete for more lucrative Phase II awards, and ultimately reach successful commercialization.

Out of the 80 Hawaii-based companies that have received HSBIR matching grants since 1989, over 50% have gone on to receive Phase II SBIR awards. For every State dollar given in an HSBIR matching grant, over \$17 federal dollars have been returned to Hawaii, or nearly \$30 federal dollars returned if Phase III awards are included.

\$5,689,430 in HSBIR matching has been given to Hawaii companies since the programs inception. Out of the 306 HSBIR match awards given, 139 awards were from the Department of Defense, followed by 53 from the U.S. Department of Agriculture, and 51 from U.S. Department of Health and Human Services.

PAINS

- Fragmented industries
- Lack of capital
- Success of tourism and film (why mess with success)
- Isolation - geographic and "mental" distance
- Disconnect between university & industries

POLICY

- SBIR Matching Fund
- State Commercialization Fund
- Barrel Tax to Fund Energy Research R&D and Investment Tax Credit
- Congressional Team - Formation of DoD & DoE Funds
- Venture Accelerator (Pending)

COLLABORATIONS

- Tech Hui Industry Group
- Dual Use Hawaii Industry Group
- Design Thinking Hawaii Group
- Tech Incubation Centers on 4 Islands
- Hawaii Venture Capital Association
- Hawaii Angels

COMMUNITY

- Robotics
- Design Thinking Bootcamp
- STEM Week
- Dr. V Weird Science Show (on break)

The High Technology Development Corporation (HTDC), and the HTDC Manufacturing Extension Partnership (HTDC-MEP) provide SBIR proposal writing training and 1:1 consulting to increase chances of success for the company.