



htdc

INNOVATION STARTS HERE

Board Briefing 03/16/22

team

6 state funded
6 fed funded



Purpose HRS 206M-2 (2019 statute change)

	Purpose		Purpose
1	Develop tech parks (clusters)	1	Open new markets
2	Accelerate time to market (funding)	2	Develop tech parks (clusters)
3	Collect data and report	3	Scale local innovation (technical assistance)
4	Promote Hawaii (attract company)	4	Accelerate time to market (funding)
5	Policy (budget & priority)	5	Policy (budget & priority)
		6	Develop workforce
		7	Coordinate Industry
		8	Collect Data and report

2019 - Added HSDC

Purpose HRS 206M-2

Priority	Purpose	Leg funding	Programs
3	Open new markets		Sandbox, TRUE, Tech Bridge, DCIL, HCATT
4	Develop tech parks	x	FRTC, IMC, MRTC, Innovation Block
6	Scale local innovation (technical assistance)		Accelerators, NI3, Sandbox, MRTC, Provider, Food, Mfg 4.0, Cyber, NIST MEP
5	Accelerate time to market (funding)	x	Accelerators, HSDC, MAP, HSBIR, SSBCI
1	Policy (budget & priority)	x	Admin
7	Develop workforce		Smart Talent, Job fair, TRUE, Sandbox, IMC, Mfg 4.0, NIST MEP
2	Coordinate Industry		Partnerships, Sponsorship
8	Collect Data and report		Website

North Star

solve our problems with our people

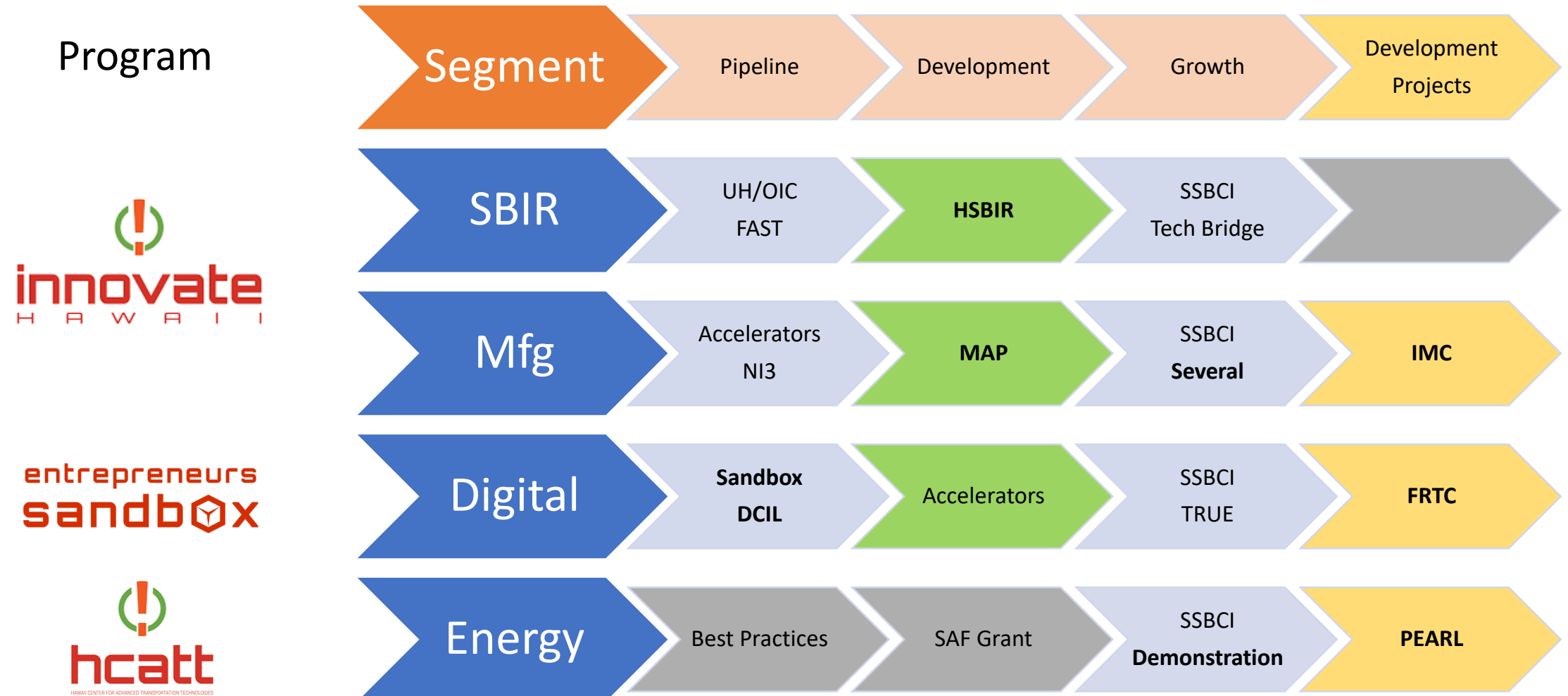


innovation

jobs

sustainable, repeatable, scalable

HTDC Programs



Innovate Hawaii



Federally funded program to support Hawai'i manufacturers including Research and Development.

Approximately \$700,000 annual contract, competed every 5 years

Programs for SBIR, Food, Cybersecurity, Robotics, E-commerce

- \$850,000+ Federal Grants award (in addition to \$700,000 base)
 - \$600,000 EDA for Digital Strategies Training

Sandbox (TBED)



Tech Based Economic Development programs support innovation and entrepreneurship, primarily digital.

Entrepreneurs Sandbox and MRTC facilities
Programs for Digital Currency, Accelerators, Tech Enablement,
Women in Tech

- Entrepreneurs Sandbox
 - 30+ Webinars
 - 185 Active Members
 - 6000+ Visitors

Hawai'i Center for Advanced Transportation Technologies



Federally funded program demonstrating renewable energy projects for the Air Force

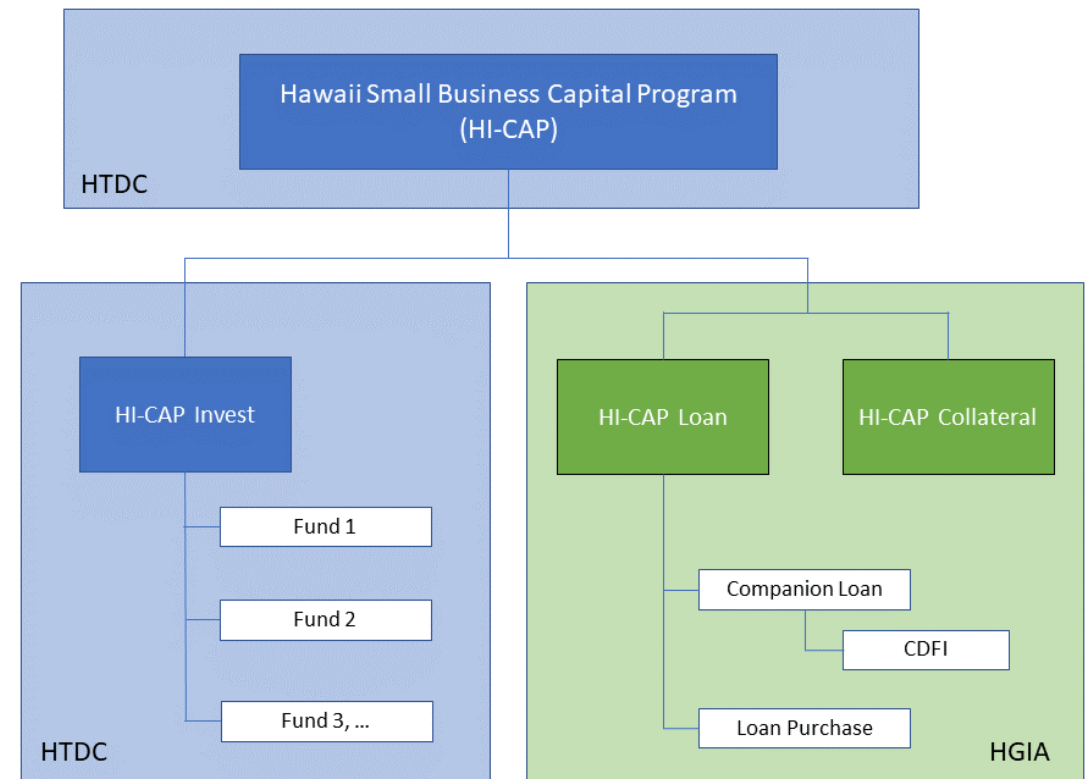
Past projects include EV charging stations, Hydrogen demonstrations

Currently working on Microgrid

Hawai'i Small Business Capital Program (HI-CAP) aka SSBCI

Federally funded \$56 million program to help small businesses access capital

Formerly used by HSDC to establish VC funds and accelerators





Development Projects

First Responders Tech
Campus and Hilo
Innovation and
Manufacturing Center



ID8 Studios Grand Opening

DBEDT Creative Industries Division partner with Bizgenics Foundation

MEET BAKER-BOT

A Collaborative Robotic Coffee Hour

August 18, 2021

Tours Between 12pm - 3:30pm

Entrepreneurs Sandbox

643 Ilalo Street

Honolulu, HI 96813



BROUGHT TO YOU BY:



innovate
H A W A I I

DEC 1
LAUNCH
NFT FOR GOOD

WORLDWIDE WALLS



makersplace



Digital Currency Innovation Lab – NFT for Good

2022 Legislative Budget Requests

- \$1,000,000 Hawai'i SBIR Phase 2/3 Matching Grant Program
- \$500,000 MAP Grant Program
- \$500,000 Accelerator Grant Program

- Conversion of HCATT positions to general funds

- R&D Tax Credit Bill
- Digital Currency Bill

SUCCESS



**WHAT PEOPLE THINK
IT LOOKS LIKE**

SUCCESS



**WHAT IT REALLY
LOOKS LIKE**



thank you

March 16, 2022 Board Meeting Handout

Summary of Actions:

Where the last board meeting left off May 2020
 HSDC Moratorium
 Sandbox locked down
 SSFM contracted for FRTC
 HTDC authorized to apply for federal grants

September- December 2020 - PPE Supply Chain awards
 Final report including company names and dollar amounts published:
<https://www.htdc.org/wp-content/uploads/2020/12/2020-PPE-Supply-Chain-Innovation-Grant.pdf>

March 2021

FY21 HSBIR Phase 1 awards

Company Name	Fed	Grant \$	Req \$	Award
Makai Ocean Engineering	DARPA	\$224,900	\$74,944	\$58,000
Nalu Scientific LLC	DoEnergy	\$200,000	\$75,000	\$58,000
Experiad LLC	NIH	\$1,097,743	\$75,000	\$37,500
Martin Defense Group	NAVSEA	\$239,954	\$75,000	\$37,500
Oceanit	Army	\$150,000	\$75,000	\$37,500
Symbrosia Inc. *	NSF	\$256,000	\$75,000	\$37,500
Hawaii Integrated Analytics LLC *	NSF	\$256,000	\$75,000	\$25,000
Jun Innovations	USDA	\$100,000	\$50,000	\$25,000
Simonpietri Enterprises LLC *	NIFA/USDA	\$100,000	\$50,000	\$25,000

*first time applicant

FY21 Phase 0 Awards

Company Name	Fed	Award
Ai.Fish LLC	NSF	\$3,000
Hawai'i Innovation Lab LLC	USDA	\$3,000
Hawaii Integrated Analytics LLC	NSF	\$3,000
Simonpietri Enterprises LLC	NIFA/USDA	\$3,000

August 10, 2021 - Hawai'i TechBridge Partnership Intermediary Agreement

February 9, 2022 - SSBCI application submitted
<https://www.htdc.org/wp-content/uploads/2021/11/SSBCI-Report.pdf>

To dos:

- Review of Board Minutes from May 7, 2020
- Selection of HTDC Board Officers
- Discuss Actions taken by HTDC after July 1, 2020





Proposed Schedule for program briefings

April
SSBCI program, HCATT program (energy)

May
Development Projects - (tech parks)

June
Innovate Hawai'i Program (manufacturing & research)
Budget

July
Sandbox Programs / MRTC (digital)

Guest speakers:

Ethics department
TRUE initiative
ID8 Studios/ Creative Lab
SSBCI





**Hawaii Technology Development Corporation
 FY 2022 Hawaii SBIR/STTR Grant Program
 Award Recommendations**

March 14, 2022

Following the process for Hawaii Small Business Innovation Research Matching Grant Application Review and Award of State Funds, after a thorough review of applications, the Hawaii SBIR/STTR Review Committee offers the following award recommendations for the FY22 HSBIR Phase I matching grant program. There were 14 companies that applied for the Phase I matching grant.

FY 2022 Phase 0 & 1 HSBIR Budget (Year ending June 30, 2022) \$ 400,000.00

COMPANY NAME	FED	GRANT \$	REQ \$	Award Amount
HNu Photonics	DARPA	\$224,897.00	\$75,000.00	\$45,000.00
Nalu Scientific LLC	NIH	\$262,993.00	\$75,000.00	\$45,000.00
Premier Solutions	NAVY	\$139,779.00	\$69,000.00	\$45,000.00
Hawaii Fish Company	DOEnergy	\$206,128.00	\$75,000.00	\$30,000.00
Kapalya	NSF	\$245,977.00	\$75,000.00	\$30,000.00
Makai Ocean Engineering	DARPA	\$224,986.00	\$74,997.00	\$30,000.00
Oceanic Imaging Consultants*	NAVY	\$140,000.00	\$70,000.00	\$30,000.00
Oceanit	DHA	\$250,000.00	\$75,000.00	\$30,000.00
WaiHome*	NSF	\$256,000.00	\$75,000.00	\$30,000.00
Symbrosia Inc.	USDA/NIFA	\$100,000.00	\$50,000.00	\$25,000.00
Katalys Kreations*	USDA/NIFA	\$99,999.00	\$43,000.00	\$15,000.00
Martin Defense Group	NAVSEA	\$140,000.00	\$70,000.00	\$15,000.00
Neurobehavioral Research Inc.	NDIA/NIH	\$269,320.00	\$75,000.00	\$15,000.00





Simonpietri Enterprises LLC	DOEnergy	\$205,975.00	\$75,000.00	\$15,000.00
Total				\$400,000

Symbrosia fell into the \$30,000 tier, but because their request amount was lower (\$50,000) relative to the rest of the requested amounts in that tier, and the total budget for all tiers was \$5,000 over the \$400,000, it was decided to lower Symbrosia's award to \$25,000.

There were no Phase 0 applications.

Accepted and Approved:

Len Higashi, Acting Executive Director & CEO

Date



MEMORANDUM OF AGREEMENT

Between the

HAWAII TECHNOLOGY DEVELOPMENT CORPORATION

and the

HAWAII GREEN INFRASTRUCTURE AUTHORITY

This MEMORANDUM OF AGREEMENT (Agreement) is effective as of the ____ day of _____, 2022, by and between the HAWAII TECHNOLOGY DEVELOPMENT CORPORATION (HTDC), an instrumentality and agency of the State of Hawai‘i whose business address is 521 Ala Moana Blvd. #255, Honolulu, Hawai‘i 96813, and the HAWAII GREEN INFRASTRUCTURE AUTHORITY (HGIA), an instrumentality of the State of Hawai‘i whose business address is 250 S. Hotel Street, #501, Honolulu, Hawai‘i 96813.

RECITALS

WHEREAS, the American Rescue Plan Act of 2021 appropriated \$10 billion to the State Small Business Credit Initiative (SSBCI) program to provide relief to small businesses struggling to recover from the economic effects of the COVID-19 pandemic; to ensure business enterprises owned and controlled by socially and economically disadvantaged individuals have access to credit and investment opportunities; and provide technical assistance to aid small businesses applying for various support programs;

WHEREAS, the SSBCI program was first established by the Small Business Jobs Act of 2010 to provide access to capital for small businesses. At that time, the Hawai‘i Strategic Development Corporation served as the lead agency for the State of Hawai‘i and invested the \$13 million appropriation to kick-start the venture capital industry in Hawai‘i. The majority of venture capital funds established by the program remain invested in Hawai‘i companies today;

WHEREAS, the minimum allocation of the SSBCI appropriated to Hawai‘i by the American Rescue Plan Act is \$56,234,176. Additional funds for technical assistance may potentially be available to States that are able to deliver on the program goals of reaching underserved priority businesses;

WHEREAS, on November 30, 2021, Governor David Ige designated HTDC as the state agency to implement the SSBCI;

WHEREAS, these funds will be used to implement the SSBCI program by strengthening state programs that support private financing to small businesses, and will be deployed through three programs, the Collateral Support Program, the Loan Participation Program, and the Fund of Funds Program;

WHEREAS, HGIA is a partner in the implementation of SSBCI and will organize and manage a loan and capital assistance program to help small businesses through the Collateral Support Program and the Loan Participation Program;

WHEREAS, Act 107, SLH 2021, expanded HGIA's functions, powers and duties to include implementing and administering loan programs on behalf of other state departments or agencies through a memorandum of agreement and expend funds appropriated to the department or agency for purposes authorized by the legislature;

WHEREAS, HTDC and HGIA desire to assist small businesses to access private financing and to help support and grow their business;

NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

I. SCOPE OF SERVICES.

A. HGIA shall plan and operate the Collateral Support Program and the Loan Participation Program, including but not limited to the following:

1. Plan, implement and operate the Collateral Support Program and the Loan Participation Program.
2. Set guidelines for each of the programs consistent with the State's application submitted for the SSBCI program, a copy of which is attached hereto as Appendix "A", and United States Department of Treasury SSBCI guidelines.
3. Work with financial institutions and Community Development Financial Institutions to promote and utilize the SSBCI programs.
4. Set guidelines for loan terms, underwriting, collateral terms, delinquent account management, and other related items.
5. Provide monitoring and enforcement to ensure the program is being operated in compliance with SSBCI program guidelines.
6. Receive and manage SSBCI funds allocated to the Collateral Support Program and Loan Participation Program, as estimated in Appendix A. Include SSBCI funds as part of HGIA's annual financial audit.

B. HGIA shall collect data and provide reports to HTDC as required.

1. Demographic and business-related data as prescribed by HTDC.
2. Loan, economic and other needed data as prescribed by HTDC.

C. HGIA may subcontract any of the services it is required to perform for HTDC under this Agreement. HGIA shall be solely responsible for its subcontractors and for the accuracy, completeness, and adequacy of its and its subcontractors' performance under this Agreement.

II. COMPENSATION AND PAYMENT SCHEDULE.

In consideration for services to be rendered by HGIA under this Agreement, HTDC agrees to allow all fees and interest generated from these programs to be used to cover administrative costs associated with the program and shall be used in compliance with SSBCI guidelines.

III. TIME OF PERFORMANCE

Performance of services by HGIA shall commence on the effective date of this Agreement. All services shall be completed by December 31, 2030, after which date, at its option, HGIA may retain the SSBCI funds and continue to administer the Collateral Support and Loan Participation Programs (“Programs”), or a variation thereof, as allowed by the U.S. Treasury. Should HGIA deem it necessary to extend the time of performance beyond December 31, 2030, pursuant to paragraph IV. A. of this Agreement, a Supplemental Memorandum of Agreement shall be executed

For as long as it may be necessary, HGIA agrees to provide program and reporting updates as required by the U.S. Treasury.

Should HGIA choose not to continue administration of said Programs after December 31, 2030, all remaining unencumbered SSBCI Funds shall be returned to HTDC as it becomes available.

IV. MISCELLANEOUS.

- A. This Agreement represents the final agreement of the parties and shall not be amended or modified in any respect except by Supplemental Memorandum of Agreement in writing executed by both parties.
- B. This Agreement shall be governed by the laws of the State of Hawai‘i.
- C. This Agreement may be executed in any number of counterparts, each of which shall constitute an original, but all of which-taken together shall constitute but one and the same agreement.
- D. Each party represents that the individual signing on its behalf has full authority to bind said party.

THE PARTIES HERETO HAVE REVIEWED, AGREED TO, AND EXECUTED THIS AGREEMENT EFFECTIVE ON THE DATE FIRST NOTED ABOVE.

HAWAII TECHNOLOGY DEVELOPMENT
CORPORATION, STATE OF HAWAI'I

HAWAII GREEN INFRASTRUCTURE
AUTHORITY, STATE OF HAWAI'I

By: _____
Len Higashi
Acting Executive Director

By: _____
Gwen S. Yamamoto Lau
Executive Director

Date: _____

Date: _____