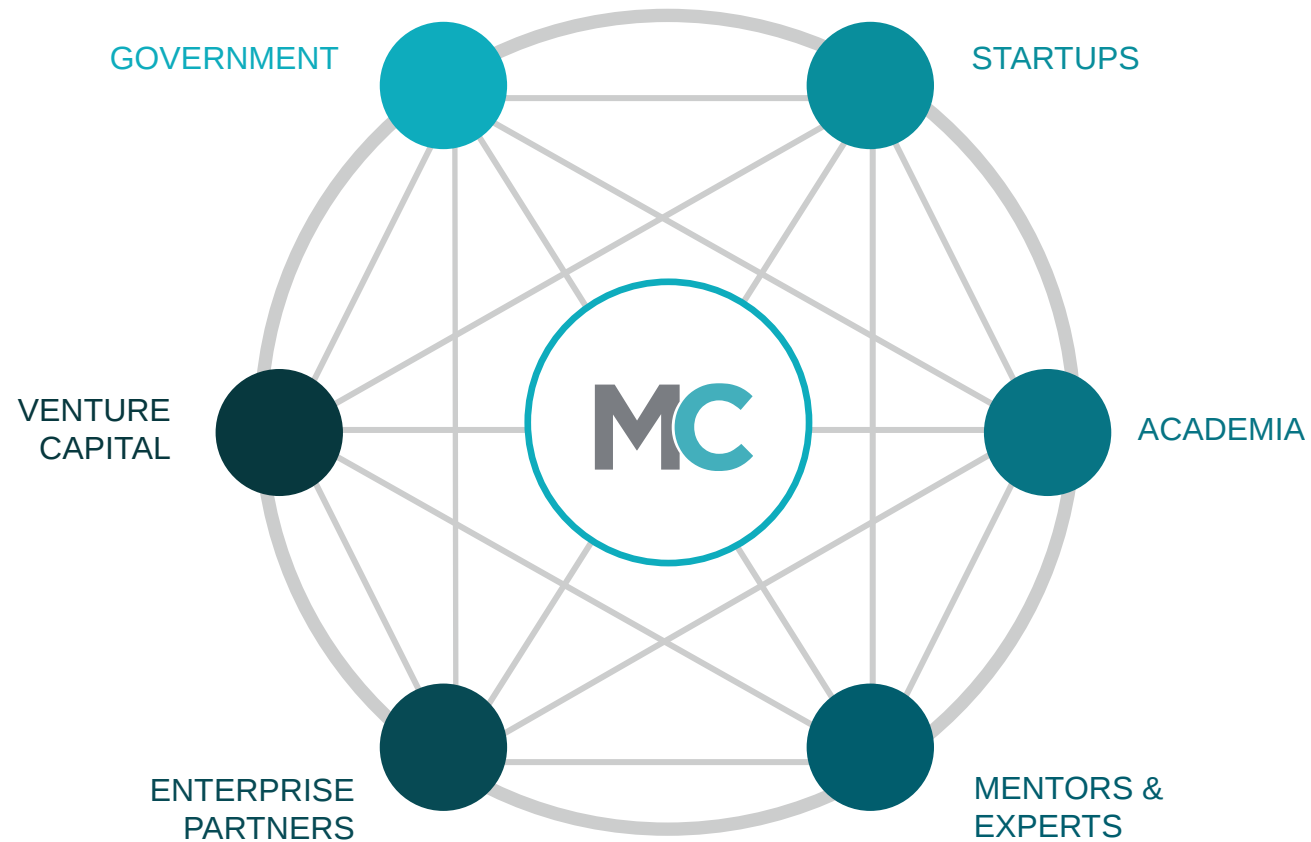




2024 Air Force Labs Overview

Updated: March 20, 2024

“The Global Network of Innovators.”

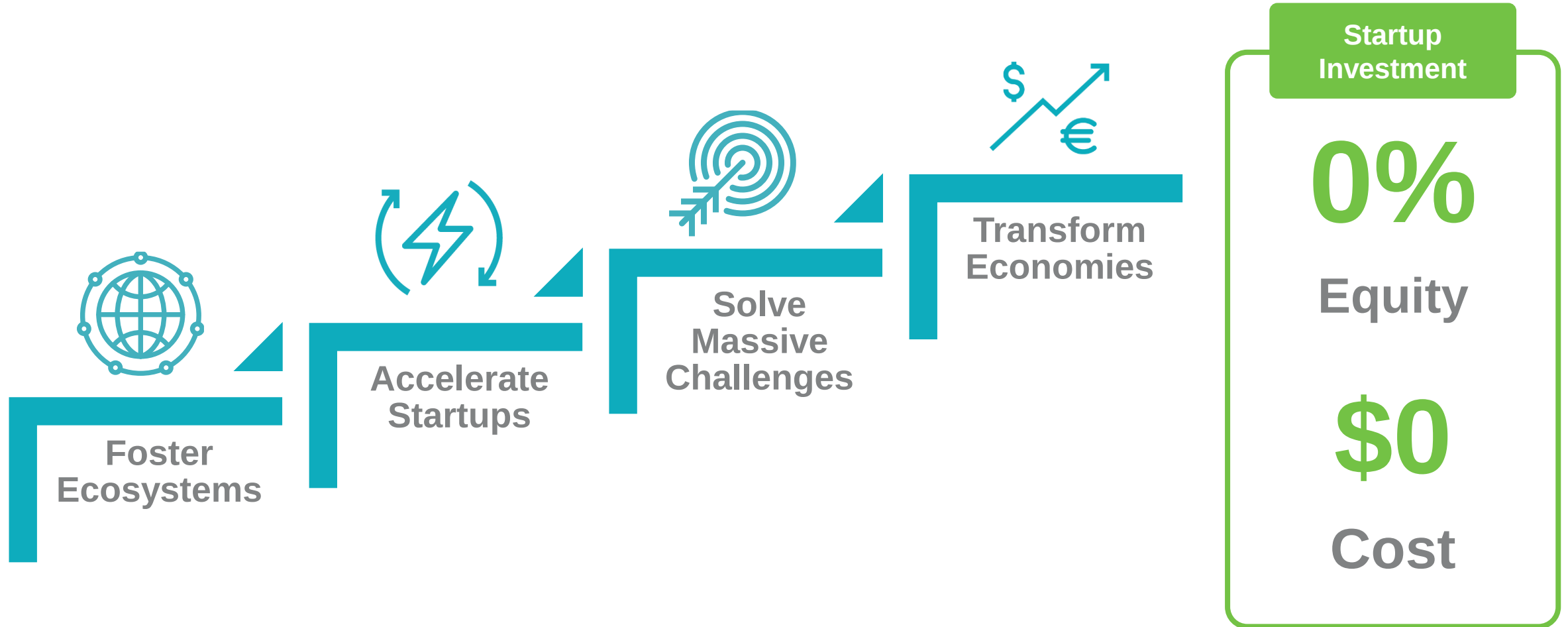




Mission Statement

*Equip bold entrepreneurs to
disrupt the status quo and
create meaningful change.*

OUR BUSINESS MODEL





“Nobody has a monopoly on good ideas”

Kevin O'Leary
Shark Tank

A man with short dark hair and glasses, wearing a dark suit jacket over a light blue striped shirt, is speaking and gesturing with his right hand. He is standing in front of a blue background. A teal speech bubble is positioned to his right, containing a quote.

“Going fast is not just a tag line for us; it’s a dead serious business about keeping the Air Force competitive and dominant.”

Dr. William Roper
February 28, 2019

Our mission is to streamline innovation to maintain our global military advantage and empower our war fighters with the capabilities needed to win in the field.

1

TECHNOLOGY SCOUTING

Safety & Security Track helps build "top of the funnel" educating, connecting, and supporting high potential founders engage with the AFWERX SBIR program.

2

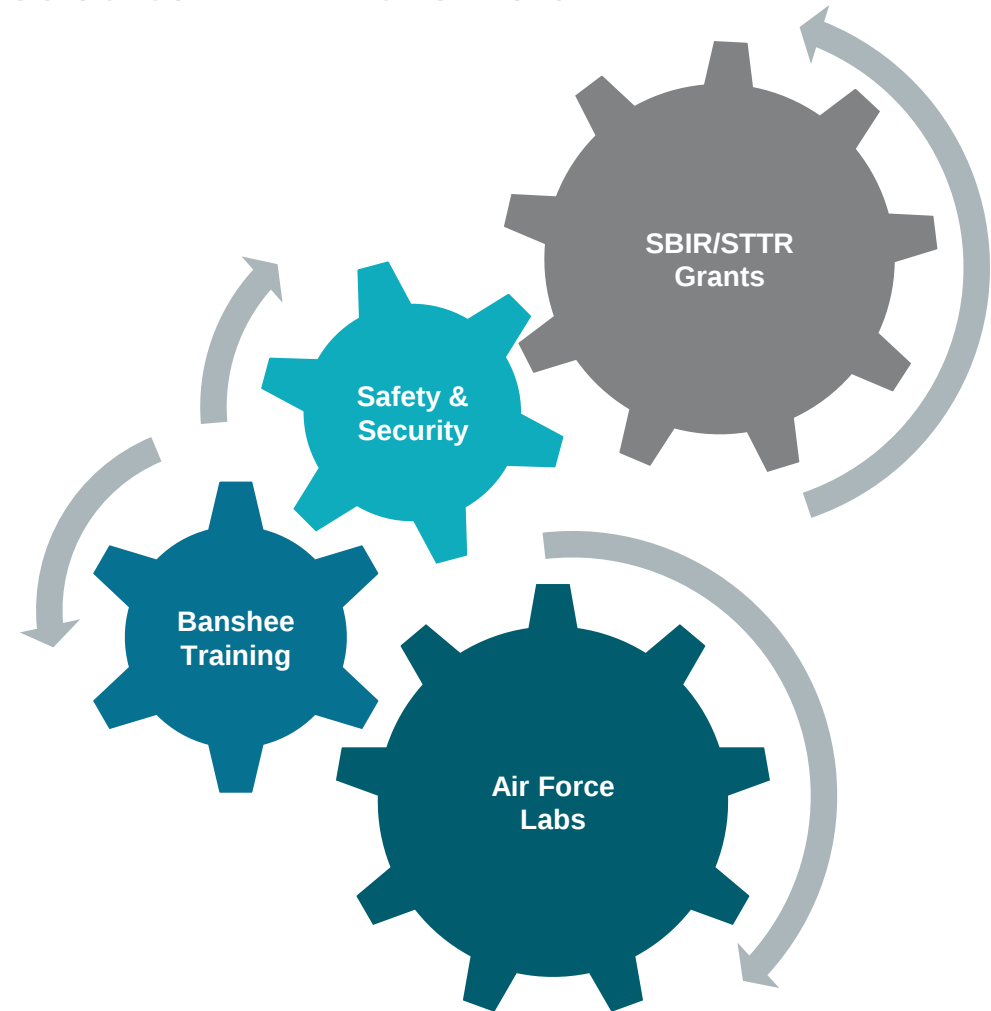
WORKFORCE ENABLEMENT

Banshee Innovation Training aims to arm our Airmen with the knowledge, tools, and best practices surrounding defense innovation. This creates agile Airmen equipped to evaluate and integrate leading edge technologies at speed.

3

STRATEGIC EXPOSURE

Air Force Labs supports AFWERX Phase I SBIR awardees with high-relevance to PEOs through their Phase I period of performance, increasing their likelihood of transitioning to a Phase II award.



Our mission is to streamline innovation to maintain our global military advantage and empower our war fighters with the capabilities needed to win in the field.

4

BLUETECH SPRINT

401 TECH BRIDGE, BAE Systems & MITRE have specifically invested in supporting the growth and development of a strong maritime innovation network to support the mission of the Navy.

5

NATO DIANA

MIT, Starburst & NSIN have collaborated with MassChallenge to design the first accelerator program specifically designed to promote collaboration between allied countries in support of advancing dual-use technology.

6

DEFENSE INNOVATION SYMPOSIUM

Raytheon is committed to building a strong pipeline of dual-use startups developing novel technology that could eventually transition into a program of record. Fostering connectivity and knowledge sharing is the first step in that process.



DEFENSE INNOVATION NETWORK

Air Force Labs



Safety & Security



BlueTech



NATO DIANA



Community



Decisive Point



This specialized program identifies, attracts, and supports startups with technology relevant to initiatives in the field of public safety and national security

KEY PARTNERS



MITRE



BAE SYSTEMS

GOALS

- Identify more dual-use startups
- Expose startups to industry challenges
- Provided startups education, connections, and resources to enable more effective collaboration with the government and defense-focused partners
- Increase SBIR awards to MassChallenge supported startups
- Accelerate tech transfer for defense applications

Education acquisition officers on best practices for collaboration with non-traditional partners and the innovation ecosystem to give our Airmen a competitive edge

CURRICULUM

- Problem Statement Development
- Navigating the Innovation Ecosystem
- Defense Innovation Strategy
- Developing an Entrepreneurial Mindset
- Networking Strategies
- Contracting Processes
- Understanding Core Technologies
- How to engage with Startups
- Venture Capital 101

Air Force
Engagement

7

Programs

227

Graduates

Increase the ROI for the Air Force SBIR program

KEY PARTNERS



GOALS

- Capitalize on the Phase 1 SBIR investment
- Curate relevant Phase II SBIR candidates for specific PEO innovation challenges
- Provide strategic exposure to startups amongst DoD end-users
- Develop connections with third party organizations supporting DoD innovation
- Share experiences to help others navigate the “Valley of Death” more effectively
- Increase the Phase 2 SBIR transition rate for high potential startups

AIR FORCE LABS RESULTS

Participating startups have earned a Phase II SBIR award at a significantly greater rate than typical, developing relationships with a multitude of DoD Mission Partners.



*Open topics 20.1, 20.3, 22.1

Cybersecurity

Weather Systems

Agile DevSecOps

Aerial Networks

AI/ML Ops

Cryptologic Systems

Autonomous Platforms

Cyber Warfare

Cloud & Edge Processing

Automated Software Tests

Counter UAS

Networks

Air Traffic Control

Open Topic

AIR FORCE LABS HANDSHAKE PITCH

 FluxWorks	<i>Frictionless gear boxes for the harshest missions</i>
	<i>Leverage the stratosphere to keep the warfighter informed</i>
 GRAYMATTERS	<i>End-to-end secure and transparent supply chain management</i>
	<i>A 7-foot autonomous airplane that fits in a backpack</i>
	<i>Keeping drones in the air using predictive battery analytics</i>

 Syllab Systems	<i>Continuously securing small devices against quantum threats</i>
	<i>High energy density to reduce foreign dependency</i>
	<i>We make drones that catch drones</i>
	<i>Conversational AI assistant to make complex decisions simple</i>
	<i>Creating and encrypting a peer-to-peer private internet</i>

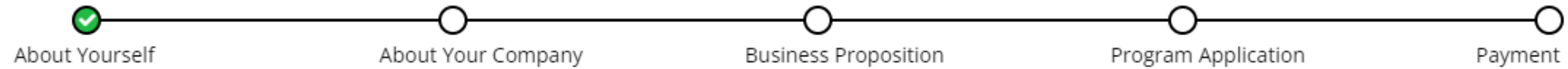
 sensoride Driving safer, ever.	<i>Lasik for your radar systems</i>
	<i>Solve AI UV navigation without GPS</i>
	<i>Real-time mapping of cyber assets and risks for offense and defense</i>
	<i>Precise space analytics in minutes.</i>
 Confidential	<i>Protecting and tracing data</i>

PROGRAM TIMELINE



Week	Session #1	Session #2
Week 1	TUE (May 21) Kick-Off	THU (May 23)
Week 2	TUE (May 28)	THU (May 30)
Week 3	TUE (June 4)	THU (June 6)
Week 4	TUE (June 11)	THU (June 13)
Week 5	TUE (June 18)	THU (June 20)
Week 6	WED (June 26) Showcase	

Application Wizard - 2024 Air Force Labs



Required

Required

SKIP

Required

\$0



Confidential | Airforce Labs '23

"We were looking for an Memorandum of Understanding for our AFWERX Phase 2, it is because of [Air Force Labs] that we were able to find a customer/signer and submit a proposal last week. Whether we get the project or not, this was a great and very beneficial program and we are looking forward to work with MassChallenge again!"

- Karim Eldefrawy | CEO, Confidential

The objective of our Defense Innovation portfolio is to:



Expand the pipeline of dual-use startups



Provide third-party vetting of novel technology



Help key stakeholders effectively engage one another in productive collaborations



Serve as a market maker for DoD challenge areas

