



SMALL BUSINESS PROGRAMS

July 2016

Bill Harrison

Director, Small Business / AFRL/SB

BIO PLATFORM
SCIENCE
RESEARCH TECHNICAL
TRANSITION
ENGINEERING
MILITARY SUCCESS
AIRCRAFT
SAVINGS PROGRAM
LEVERAGE NANO
AWARD
SUSTAIN
START-UPS INNOVATION
EFFICIENT FUNDS
HIGH TECH
CONTRACT
COMPOSITE
DEPLOY
PRODUCT VET
ENTREPRENEUR LEADERSHIP MISSION CRITICAL
MATERIALS
SPECIAL OPERATIONS
LOGISTICS
INDUSTRY
STRATEGY INITIATIVES
GAME CHANGER SYNC-UP
MAKER-BOT
CONNECTION
AGILE COMBAT SUPPORT SEAMLESS TECHNOLOGY TRANSFER
NEXT GENERATION ECOSYSTEM SKILL SET INTEGRATION
COMMERCIALIZATION INTELLECTUAL PROPERTIES BUSINESS PRACTICES
DATA LEGACY CYBER
SENSORS OUT REACH
COMMUNITY
RESEARCH
TRANSITION
SOLUTION
PLATFORM
ANALYTICS
RETURN ON INVESTMENT
MADE IN AMERICA
MANUFACTURING



Small Business Programs to Solve and Transfer Technologies to the Warfighter

UNITED STATES AIR FORCE



BIO
PLATFORM
SCIENCE
RESEARCH TECHNICAL

Tough
Warfighter
Problem



NEXT GENERATION SKILL SET INTEGRATION
COMMERCIALIZATION INTELLECTUAL PROPERTIES
BUSINESS PRACTICES



AFRL: Fueling the World's Greatest Air Force

Revolutionary

Technology to make and keep the fight unfair

Game Changing Technologies



X-51

Relevant

To near & mid-term AF needs

Providing technical solutions for critical capability gaps



F-35 Innovative Molding Technology

Responsive

To the “right-now”

Rapid Innovation



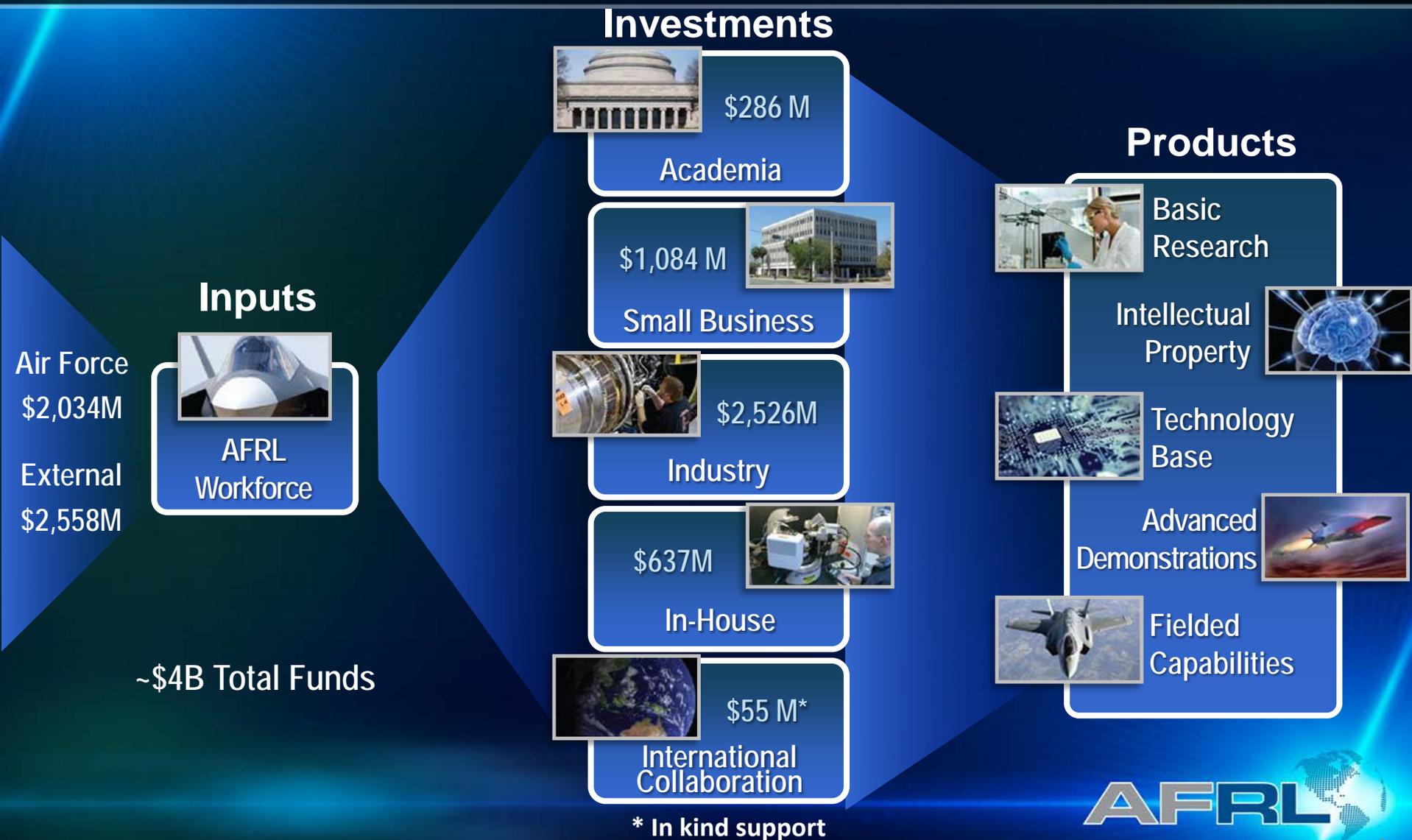
Silver Fang

“The World’s Greatest Air Force – Powered by Airmen, Fueled by Innovation”

Air Force Vision 2013



AFRL S&T Business Model



UNITED STATES AIR FORCE



INDUSTRIAL STRATEGY INITIATIVE
GAME CHANGER SYNTHESIS
MAKER-BOT
DATA LEGACY CYBER
CONNECTION
AGILE COMBAT
NEXT GENERATION
COMMERCIALIZATION
INNOVATION
SUSTAIN
EFFICIENT FUNDS
HIGH TECH CONTRACT
COMPOSITE
DEPLOY
PRODUCT VET
RESEARCH TECHNOLOGY TRANSFER
INTELLIGENT
INTEGRATION
INTELLECTUAL PROPERTIES
BUSINESS PRACTICES

Small Business Programs



AIR FORCE RESEARCH LABORATORY SMALL BUSINESS DIRECTORATE
SMALL SOURCE | RIGHT VALUE | BIG PERFORMANCE

GET CONNECTED

▶ COLLIDER EVENTS ▶ SOCIAL MEDIA ▶ WEB SITES

AFRL SMALL BUSINESS HUB

WRIGHT BROTHERS INSTITUTE
5000 SPRINGFIELD ST | SUITE 100 | PATTERSON ROOM
WRIGHT POINT OFFICE PARK | DAYTON OHIO 45431



In 2014, the Small Business Hub was formed with the Air Force Research Laboratory to attract innovative small businesses to solve tough Air Force problems, strengthen the Air Force industrial base and to commercialize AFRL technologies. Three of the primary services provided are Colliders, One-on-Ones and Electronic tools.

Colliders are free and open business events that promote a networking and a social component for government, academia, and businesses to engage in topics focused around technology, entrepreneurship and business growth.

There are four styles in the Collider series: *Information, Partnership, Innovative Technology and Regional Ecosystem.*

Register for Collider event notifications at www.meetup.com/collider

One-on-One's allow representatives from small businesses, industry, AFRL and other regional assets to interconnect organically and the needs and capabilities are needed and connect them to the right person or organization in the region.

Electronic tools provide 24 hour-a-day, seven days-a-week access to a toolkit that allows innovative small businesses to capture opportunities and build symbiotic relationships and partnerships with others in their ecosystems. (See back)

Facebook

www.facebook.com/afsbirsttr
www.facebook.com/AirForceT2



Twitter

Small Business Hub @AFRLBIZHub
Small Business Director @AFRLSBDirector
Air Force SBIR/STTR @AF_SBIR_STTR



YouTube

www.youtube.com/channel/UCb3EQFQNKopw5EFvorAKTbg



AIR FORCE | SMALL BUSINESS
OPPORTUNITIES
RESEARCH AND DEVELOPMENT



Connect with AFRL

www.afrlsbhub.com



SMALL BUSINESS HUB
AT WRIGHT BROTHERS INSTITUTE

[ABOUT US](#)

[RESOURCES](#) ▾

[COLLIDERS](#)

[INNOVATION NETWORK](#)

[CONTACT US](#)



Connecting Small Business To Our Warfighter's Needs

COLLIDER PROJECT

Explore the Small Business Toolkit
Attend a Collider Event



Connecting: Collider Project

The screenshot shows the homepage of the Small Business Hub at Wright Brothers Institute. The header features the title 'The COLLIDER PROJECT' and 'SMALL BUSINESS HUB AT WRIGHT BROTHERS INSTITUTE' with a logo of a lightbulb with colorful petals. A navigation bar includes links for Home, Members, Sponsors, Photos, Pages, Discussions, and More, along with a 'Join us!' button. The main content area is divided into a left sidebar and a main text area. The sidebar contains the logo, the hub's name, location (Dayton, OH), founding date (Aug 7, 2014), and statistics for members, reviews, and meetups. The main text area provides an overview of the hub's mission and details about the 'Colliders' events, including their purpose and the four series: Information, Partnership, Innovative Technology, and Regional Ecosystem. Organizers listed include Jim Masonbrink, Bill Harrison, Les McFawn, Ryan Clarke, and Ryan Helbaoh. The footer features the AFRL logo and a globe graphic.

The COLLIDER PROJECT

SMALL BUSINESS HUB AT WRIGHT BROTHERS INSTITUTE

Home Members Sponsors Photos Pages Discussions More [Join us!](#)



SMALL BUSINESS HUB AT WRIGHT BROTHERS INSTITUTE

Dayton, OH
Founded Aug 7, 2014

Members	703
Group reviews	24
Upcoming Meetups	11
Past Meetups	124
Our calendar	

[Twitter](#) [LinkedIn](#)

Organizers:

- [Jim Masonbrink](#)
- [Bill Harrison](#), [Les McFawn](#), [Ryan Clarke](#), [Ryan Helbaoh](#)

The Small Business Hub was created to link entrepreneurs, businesses, industry and governmental organizations in support of tech-driven business growth, strengthening the Air Force industrial base and commercializing technologies for new market opportunities. It was established in 2014 as a dual effort by the Wright Brothers Institute (WBI) and the Air Force Research Lab (AFRL).

COLLIDERS

Free and open business events, known as *Colliders*, are hosted by the Small Business Hub to drive opportunity discovery and identify supporting resources. Attendance allows for engagement with fellow community members from business, government and academic circles.

Focused around technology, entrepreneurship, and business growth, there are four styles in the Collider Series, each of which offers a networking component. These include:

- **Information Series** – educational or learning sessions
- **Partnership Series** - networking, partnership opportunities, matchmaking, Q&A panels, and problem solving
- **Innovative Technology Series** - targets specific leading-edge research areas and technology needs
- **Regional Ecosystem Series** - cross-promotes events happening throughout the region

ONE-ON-ONE'S

While the Collider Project is a resource that enables connections to happen organically, the Small Business Hub also works to formally engage individuals and organizations through

Meetups

WBI

Wright Brothers Institute
Location and coffee sponsor



The Air Force Research
Laboratory
Small business guidance
and networking

People in this Meetup are also in:



The Dayton RPG Meetup
Group
671 Roleplayers



Dr. Sketchy Anti-Art
School - Dayton
425 Art Monkeys



Dayton WordPress
401 Members



Dayton Entrepreneurs and
Startups

Promoting interactions between government, industry and academia

[Upcoming 11](#) [Past](#) [Calendar](#)

Featured Meetup

(Info Series) - SB Digital Marketing: Everything from Strategy to Website Hacks

Tec^Edge

5000 Springfield Street, Suite 100, Dayton, OH ([map](#))



Small Business Digital Marketing: Everything from Strategy to Website Hacks Billy Grill of Rebel Marketing will lead you through a Collider covering small business marketing in today's digital environment. He will cover strategy, tools and processes from the perspective of small businesses. Keeping in mind the limitation of time and resources... [Learn more](#)

Hosted by: [Jim M.](#) (Organizer)

Fri Jul 22

1:00 PM

[RSVP](#)

2 days left

9 going

0 comments

(Cross-Promo) The Wright Dialogue with Industry

Dayton Convention Center

22 E 5th St Ste C, Dayton, OH ([map](#))



Hosted by: [Casey L.](#)

Tue Jul 19

8:00 AM

16 going

0 comments

(Cross-Promo) Take Your Business Global | An Introduction to Exporting

Needs a location

Coming soon

SBA offers resources that can help you start and grow your exporting business. Take Your Business Global - An Introduction to Exporting - This course is intended to be a...

[Learn more](#)

Hosted by: [Ryan C.](#) (AFRL Small Business Hub, Marketing)

Thu Jul 21

2:00 PM

[RSVP](#)

2 days left

0 going

0 comments

What's new



[MORE](#)

NEW MEMBER

[Carl T.](#) joined

10h ago

NEW RSVP

[Art H.](#) RSVPed Yes for (Info Series) - SB Digital Marketing: Everything from Strategy to Website Hacks

Yesterday

NEW RSVP

[Tiffany F.](#) RSVPed Yes for (Cross-Promo) The Wright Dialogue with Industry

Yesterday

NEW RSVP

[V. S.](#) RSVPed Yes for (Info Series) - SB Digital Marketing: Everything from Strategy to Website Hacks

3 days ago

NEW MEMBER

[Julio M.](#) joined

Small Business Toolkit

Connect with AFRL through the Hub



Connect with AFRL

COLLIDERS

Free and open business events, known as Colliders, are hosted by the Small Business Hub to drive opportunity discovery and identify supporting resources. Attendance allows for engagement with fellow community members from business, government and academic circles.

DEFENSE INNOVATION MARKETPLACE

DEFENSE INNOVATION MARKETPLACE

The Defense Innovation Marketplace is a communications resource to provide industry with improved insight into the Research and Engineering investment priorities of the Department of Defense (DoD).



USAF SBIR/STTR

The principal goal of the Air Force SBIR/STTR programs is to serve the technology needs of the Air Force warfighter. These programs, together with the people who manage them, accomplish this as part of the Air Force's technology development efforts to identify and provide advanced, affordable, and integrated technologies that keep our Air Force the best in the world.



AFRL SMALL BUSINESS HUB OPPORTUNITIES

The Air Force Research Laboratory Small Business Hub has an opportunity site that consolidates opportunities for small businesses in the Air Force Research Laboratory Space.



DEFENSE INNOVATION MARKETPLACE

- HOME
- BUSINESS OPPORTUNITIES
- COMMUNITIES OF INTEREST
- NEWS / EVENTS
- FAQS



Sec. Carter, tech industry reach to the future at DARPA event

Your Centralized Resource for IR&D Market Research

GOVERNMENT
IR&D Searchers

INDUSTRY
IR&D Providers

Stay Connected

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- Subscribe to RSS

WHAT'S NEW

Solicitations

- Navy Maritime Data Collection Program Software Products
 - Army RFI: Fabricating Ballistic Helmets using Automatic Fiber Placement Methods
 - Army Potential Solutions to Integrate the Identification of Friend or Foe Applications
 - Air Force Capabilities for Cyber Mission Assurance
 - Army HWU-STD-AN, LMX based HyperWorks
 - Navy P-8A Increment 3 Platform Integration
 - Air Force Research and Development for Electro-Optical and RadioFrequency Sensor (RADERS)
- [View More](#)

Strategic Documents

- Mobility Air Forces Strategic Vision - 2015
 - Army Posture Statement
 - Air Force Strategic Master Plan
- [View More](#)

Events

- NDIA 12th National Small Business Conference ** Sep 24**
 - AUSA Annual Meeting Exposition ** Oct 12-14 **
 - DISA 2015 Forecast to Industry ** Nov 2 **
- [View More](#)

Better Buying Power 3.0

Contact Us

CONNECTING INDUSTRY AND DoD

The Defense Innovation Marketplace is a communications resource to provide industry with improved insight into the Research and Engineering investment priorities of the Department of Defense (DoD). The Marketplace contains DoD R&E strategic documents, solicitations, and News/Events to better inform Independent Research and Development (IR&D) planning. The IR&D Secure Portal houses project summaries that provide DoD with visibility into the IR&D efforts submitted.

NEW BUSINESS OPPORTUNITIES

Have a solution to a DoD Technology need? Find links to:

- RFIs
- RFPs
- Presolicitations

TECHNOLOGY INTERCHANGE MEETINGS

TIMs allow DoD and industry/academia to cooperate on R&E technology challenges.

- Aeronautical Enterprise (Oct. 19-22)
- Air Force Space Enterprise (Dec. 7-11)
- Cyberspace (Feb. 22-26)

DEFENSE INNOVATION INITIATIVE (DII)

The DII is an effort to identify and invest in innovation for the future.

- Defense Innovation Unit – Experimental (DIUx)
- Long-Range Research and Development Planning Program (LRRDPP)

STRATEGIC DIRECTION

Where is the Department of Defense headed? Gain insight by linking to key DoD and Services information:

- Strategic Documents

SMALL BUSINESS RESOURCES

Small Business Resources can help your growing enterprise:

- Small Business Innovation Research (SBIR) program
- Rapid Innovation Fund

NEWS & EVENTS

What DoD news, events, or meetings do you need to know about?

- News
- Events
- Weekly S&T Bulletins

CONNECTING INDUSTRY AND DOD





DEFENSE INNOVATION MARKETPLACE

HOME BUSINESS OPPORTUNITIES COMMUNITIES OF INTEREST NEWS / EVENTS PAGES



Air Force Resources

Fly, Fight and Win in Air, Space and Cyberspace

Business Opportunities

- Federal Business Opportunities
- More than 75 Life Cycle Management Opportunities Highlighted Here
- Rapid Innovation Fund

Engagement Opportunities

- AF Force Small Business Innovation Research & Small Business Technology Transfer (STTR & STTR)
- AFRL Small Business
- Small Business Links
- Technology Transfer
- U.S. Small Business Administration Clusters

FedBizOpps for AFRL by Location

- KATD
- AFRL-Crested Energy: FSO Opportunities
- AFRL-RVIV - Vortland AFRL: FSO Opportunities
- WPAFB
- AFRL-RIK - WPAFB: FSO Opportunities
- AFRL-ROK - WPAFB: FSO Opportunities
- ROMC
- AFRL-RIK - Rome: FSO Opportunities
- EDLW AFD
- AFRL-RWD: FSO Opportunities
- AFRL-RWK - Eglin: FSO Opportunities
- ARLINGTON, VA
- JFOSR: FSO Opportunities
- JFOSR: Grant Opportunities

TECHNOLOGY FOCUS AREAS

AF Technology Focus Area materials are access controlled. To view these materials, AF Force needs and Core Technical Competencies, follow the attached steps to gain access. (Dens D pages are only available using Internet Explorer)

[Access for AF Force Technology Focus Areas](#)

SMALL BUSINESS SUCCESS STORIES

- Innovation Stories Here
- AF Force Launch Stories

FUTURE PROJECTS

- AF Force Development Planning

TECHNOLOGY INTERCHANGE MEETINGS

- AFRL - AFIT Journey 1-3 Sept 2015
- Aeronautical Energetics 19-23 Oct 2015
- AF Force Space Energetics 7-11 Dec 2015
- Cyberspace 20-22 Feb 2015
- Human Systems June 2015 - Closed
- Weapons Technology April 2015 - Closed
- C-ISR 2014 - Closed
- Nuclear 2014 - Closed

Strategic Overview

- Mobility AF Force Strategic Vision - 2015
- AF Force Strategic Master Plan
- 2015-2018 AF Force Space Strategy
- Addressing AF Force Capability Requirements
- AF 30 Year Strategy
- AF Capability Requirements Driving S&T
- AF Global Strike Command 2014 Strategic Master Plan
- AF Central Command 2014 Strategic Plan
- AF Force FY15 S&T Testimony
- AF Force Human System Technologies Strategic Vectors
- AF Force I&R 2025
- AF Force Research Laboratory (AFRL) 2014 Strategic Plan
- AF Force S&T Overview
- AF Force S&T Strategy
- AF Force Sustainment Overview
- AF Force Technology Horizons 2010-2020
- Annual Innovation Inventory and Funding Plan FY2010-2012
- Global Horizons - S&T Vision
- Leveraging the New Virtual Marketplace
- Presentations from AF Basic Science Panel
- Simulators Division Job Planning Briefing
- Space Technology Needs by Capability Area (October 2009 version)
- U.S. AF Force Energy Strategic Plan
- US&F Energy Horizons

More

SENSOR FORCE I&R HORIZONS

- Commercial Space-Based GEONIT Vision
- Satellite Networking Vision
- US&F PDU Vector Vision & Enabling Concepts 2013-2018
- I&R White Paper - Revolutionizing I&F Intelligence Analysis
- AF Force I&R 2025
- AF Force Targeting Plan of Actions & Milestones
- AF Force Targeting Roadmap
- Sensing as a Service

Solicitations - RTA RTPs

- AF Force Capabilities for Cyber Mission Assurance (New)
- AF Force Research and Development for Electro-Optical and Radio Frequency Sensor (RUCERS) (New 1002016)
- Space Energetics Interchange Meetings
- AF Force Radio Frequency Comm Systems RDT&E
- AF Force Optical Windows for Airborne Sensors RFI (New 1002016)
- AF Force Col and Munitions Test Improvement Contract (CMITIC I) (New 1002016)
- AF Force Passive Radio Frequency Identification Enforcement (PRICE)
- AF Force SHIELD Target Research In Service/Ecos (STRIFE)
- AF Force Multi-Source Information Detection & Network Analysis
- Global Operational Tactical Information Technology
- AF Force Deep Learning for Detectable Intelligence Discovery and Exploitation (New 1002016)
- AF Force S&B Capabilities for Cyber Resiliency (New 1002016)
- AF Force S&B Capabilities for Cyber Mission Assurance (New 1002016)
- AF Force S&B Quantum Computing Sciences (New 1002016)
- AF Force Intelligence Surveillance & Reconnaissance Enabling Technologies S&B (New 1002016)
- AFRL Structural Materials S&B (New 11102016)
- AF Force Applications for Information Reporting S&B (Nudge Change 1002016 1002016 1002016)
- AF Force Smartens Technology S&B (New 1102016)
- AF Force S&B Information Sharing Energetics Implementation and Application (ISIA) (New 1002016)
- AF Force Certification of Composites S&B (New 1102016)
- AF Force Cyber Resiliency S&B (Nudge Change 1002016 1002016 1002016)
- AF Force S&B Energetics Services Development and Component Maintenance (New 1002016)
- AF Force High Speed Strike Weapon S&B (1002016)
- AF Force Human Performance Sensing (New 1002016)
- AF Force Site Marketing & Technical Displays Small Business Set-aside (New 1002016)
- AF Force Mission Assurance for Mission Assurance S&B (Nudge Change 1010 2016 2016 2016)
- AF Force Next Generation S&S++ Capability (Nudge Change 11102016 01102017 01102016)
- AF Force Research Collaboration Program S&B (New 1002016)
- AF Force Research Collaboration Program S&B (New 1002016)
- Energetics Computing Architecture and Applications (Nudge Change 1102016 1002017 1002016 1002016)
- Information Management-Enabled Sensor Testing and AFRL Corenet (Nudge Change 101016 1102016 1002016)
- Sensor Innovative Research S&B (New 1102016)

Information on Opportunities:

- List of solicitations
- Webcrawler links to FedBizOps
- Information on AF guidance and programs

CONNECTING INDUSTRY AND DOD

Home Privacy & Security Contact Reporting Job Postings US&F Presentations/Workshops News Policy About Us Contact Us

Documents in Portable Document Format (PDF) require Adobe Acrobat Reader 5.0 or higher to view. Microsoft® Adobe® Acrobat® Reader



SB Web Crawler

http://sbhub.wbi-icc.com



Find Opportunities

materials research x

1813 Search Results

Sorted by relevancy

ADVANCED +

Previous 1 2 3 4 5 Next

Development of Animal Models and Related Biological Materials for Research (R21)

-- Score 75

This funding opportunity announcement (FOA) issued by ORIP, National Institutes of Health, encourages research grant applications from institutions/organizations that propose to develop, characterize or improve animal models for human diseases
[more](#)

AFRL/RXC Structural Material: Open/Open BAA Program

-- Score 69

The objectives are to seek new, innovative ideas for research from academia and industry and to respond quickly to changes in technology and research focus in the area of structural materials technologies that range from materials and science
[more](#)

Resource-Related Research Projects for Development of Animal Models and Related Materials (R14)

-- Score 66

This FOA encourages Resource-Related Research Project (R14) grant applications aimed at developing, characterizing or improving animal models of human diseases or improving diagnosis and control of diseases of laboratory animals. The animal
[more](#)

Web Crawler
Across Fed Biz Ops
And Gov Grants
All Agencies

daytontechguide.com

HOME OUR STORY + OUR COMMUNITY + OUR STARTUPS + OUR EVENTS OUR HIGHLIGHTS

This study was prepared under contract with the Wright State University, Ohio, with financial support from the Office of Economic Adjustment, Department of Defense. The content does not necessarily reflect the views of AFRL.



THE HITCHHIKER'S GUIDE TO DAYTON TECH & STARTUPS



daytontechguide.com

DAYTON TECH & STARTUPS

Search the map

Get Alerts ADD TO MAP + LOG IN

PINS [ADD A PIN](#)

- Startups 62
- Corporations 116
- R&D 204
- Startup Services 24
- Capital 29
- Marketing & Branding 32
- Networks & Associations 18
- Packaging & Shipping 31
- Prototyping & Manufacturing 34
- Materials Suppliers 8

Map showing various locations in Dayton, Ohio, marked with pins and numbered circles. The map includes major roads like I-75, I-675, and I-444, and landmarks like the Mad River. The map is overlaid with a grid and various street names. The pins are color-coded and numbered, representing different categories of tech and startups. The map is part of a web application interface with a sidebar on the left and a top navigation bar.

Create your Own Map

Map data ©2016 Google Terms of Use Report a map error

UNITED STATES AIR FORCE



INDUSTRY STRATEGY INITIATIVE GAME CHANGER SYNTHESIS MAKER-BEYOND CONNEC AGILE COMBAT NEXT GENERATION COMMERCIALIZATION INTEGRATION INTELLECTUAL PROPERTIES BUSINESS PRACTICES

Small Business Programs



AIR FORCE RESEARCH LABORATORY SMALL BUSINESS DIRECTORATE
SMALL SOURCE | RIGHT VALUE | BIG PERFORMANCE



AF SBIR/STTR

Resources For Small Business

<http://www.afsbir.com>



- First time proposing to Air Force SBIR/STTR, see:
 - Small Business Introduction
 - What is AF SBIR/STTR?
 - Topic Pre-Release
 - Proposal Instructions
- New AF SBIR/STTR Awardee, see:
 - Phase I Training
 - Reporting Requirements
 - CRP
 - Success Stories

The screenshot shows the homepage of the AF SBIR/STTR website. At the top, there is a navigation bar with links: HOME, PROGRAM OVERVIEW, PUBLICATIONS, LINKS, SBIR/STTR POINTS OF CONTACT, and CONTACT US. Below this is a main content area with a left sidebar and a central grid of buttons.

Left Sidebar:

- GOVERNMENT**
- SMALL BUSINESS**
 - Small Business Introduction
 - Login Information Page
 - What is Air Force SBIR/STTR?
 - Solicitation Schedule Info
 - Topic Pre-Release
 - Proposal Instructions & Status
 - Phase I Training
 - Topic/Award Data Search
 - Advanced Technology Search
 - Reporting Requirements
 - Search & Submit Success Stories
 - Small Business Search
 - Prime Contractor Search
 - Commercialization (CRP)
- PRIME CONTRACTOR**
- ACADEMIA**
- Program Office**
 - Air Force Research Laboratory (AFRL/XPP)
 - 1864 4th Street
 - Bldg 15 Rm 225
 - Wright-Patterson AFB, OH 45433
 - Toll Free: 1-800-222-0336
 - Fax: (937) 255-2219

Central Grid (SMALL BUSINESS HOME):

- SMALL BUSINESS INTRODUCTION
- WHAT IS AIR FORCE SBIR/STTR?
- TOPIC PRE-RELEASE
- PHASE I TRAINING
- ADVANCED TECHNOLOGY SEARCH
- SEARCH & SUBMIT SUCCESS STORIES
- PRIME CONTRACTOR SEARCH
- LOGIN INFORMATION PAGE
- SOLICITATION SCHEDULE INFO
- PROPOSAL INSTRUCTIONS & STATUS
- TOPIC/AWARD DATA SEARCH
- REPORTING REQUIREMENTS
- SMALL BUSINESS SEARCH
- COMMERCIALIZATION (CRP)

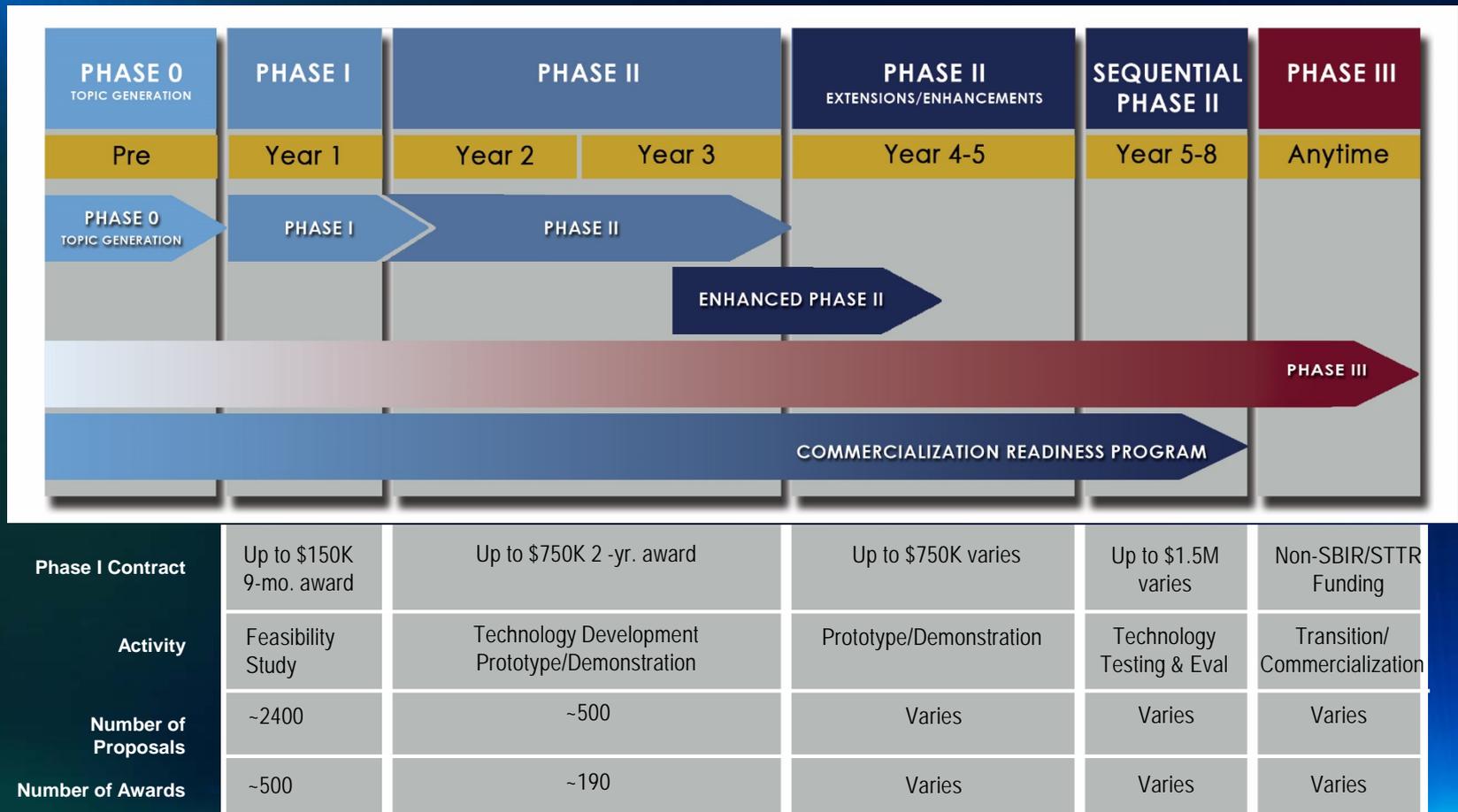
Right Sidebar:

- NEWS & EVENTS**
- TOPIC/AWARD DATA**
 - SEARCH TOPICS
 - SEARCH AWARDS
- SMALL BUSINESS**
 - Firm:
 - Password:
 - LOGIN
 - SET / RESET PASSWORD
 - REGISTER

At the bottom of the page, there is a footer with links: 508 Compliance | DOD Notice and Consent Banner | External Link Disclaimer | Privacy and Security Policy | Site Disclaimer |



SBIR/STTR Program



“NEW” - Direct to Phase II (DP2)

Purpose

- **In a quest to rapidly capitalize on emerging technology trends, the United States Air Force is actively seeking small high tech companies with great ideas and agile development processes to exploit these new developments for novel military and commercial applications.**
- **The DP2 program is intended to attract firms with innovative solutions to participate in the SBIR program when feasibility has been demonstrated through means other than an SBIR or STTR Phase I. It shall not be used solely to avoid or inhibit the Phase I process for proposing new innovations, nor as a way to supplement funding of existing DoD R&D efforts. Schedule acceleration is a benefit of, but not a sole justification for pursuing a topic under the DP2 program.**
- **DP2 is a faster, more focused development process, offering expanded transition opportunities. We will be leveraging the Small Business Innovation Research (SBIR) and the authority for Direct to Phase II (DP2) contracts.**

PHASE III – Transfer to the Defense Community

- **PURPOSE:** Transition a company's SBIR/STTR effort into hardware or software products, processes or services that benefit the Air Force acquisition community.
- SBIR/STTR Phase III refers to work that derives from, extends, or completes an effort made under prior SBIR funding agreements
- It is funded with “Non-SBIR” sources
- Funding can come from:
 - Either Government and/or the private sector!
- **NOTE:** Once a company has successfully been awarded a SBIR Phase I or Phase II, Phase III awards can be made using a “Non-Competitive” process since competition requirements were satisfied

This is the “Holy Grail” for the SBIR Program!

SBIR Success Stories

Air Force
SBIR/STTR Achievements



- Up to 40% weight savings
- Improved fatigue resistance

NEW COMPOSITE MATERIALS PROMOTE BIGGER FUEL SAVINGS, BETTER FATIGUE RESISTANCE IN AIRCRAFT

PROOF[™]
Research

Proof Research
Moraine, Ohio



Full Story



Overview



Video

The Air Force and a small business partner are pushing the boundaries of high-temperature material production to cut fuel costs and boost the service life of aircraft.

Moraine, Ohio-based PROOF Research is working with Air Force Research Laboratory to further computationally derived materials, manufacturing and engineering solutions, which includes the development of high-temperature polymer matrix composites as a replacement for titanium.

Also known as PMCs, the advanced materials can trim the weight of some parts and systems in aircraft by as much as 40 percent - resulting in annual fuel savings of hundreds of dollars per kilogram of titanium replaced – while offering increased service life and improved fatigue resistance.

SBIR Program Collaboration

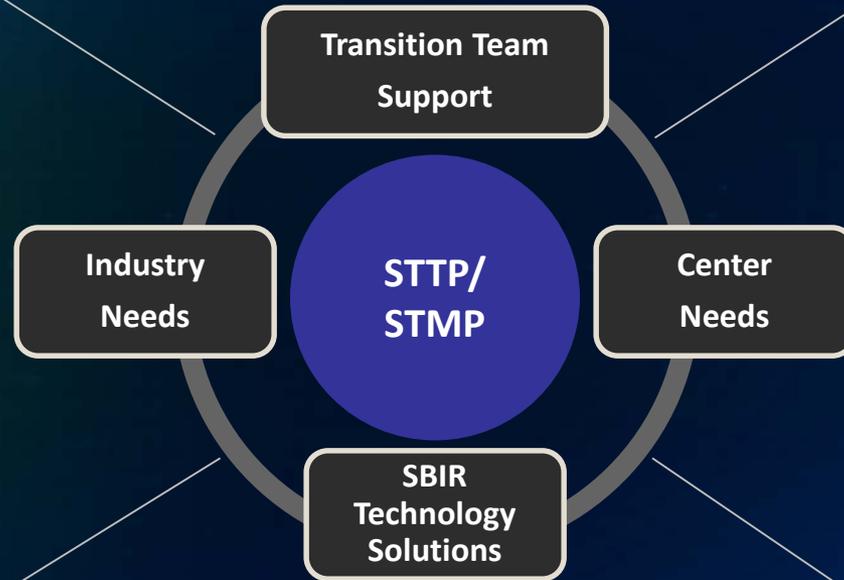
AF SBIR/STTR Transition Team

Major Defense Contractors

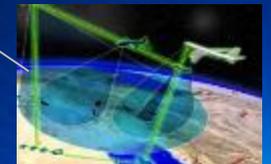


21 Major Defense Contractors Participating

AF Centers/PEOs



AFRL Managers & SBIR/STTR Phase II Firms



UNITED STATES AIR FORCE



INDUSTRIAL STRATEGY INITIATIVE
GAME CHANGER SYNTHESIS
MAKER-BOT
DATA LEGACY CYBER
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PRODUCT VET
RESEARCH TECHNOLOGY TRANSFER

Small Business Programs



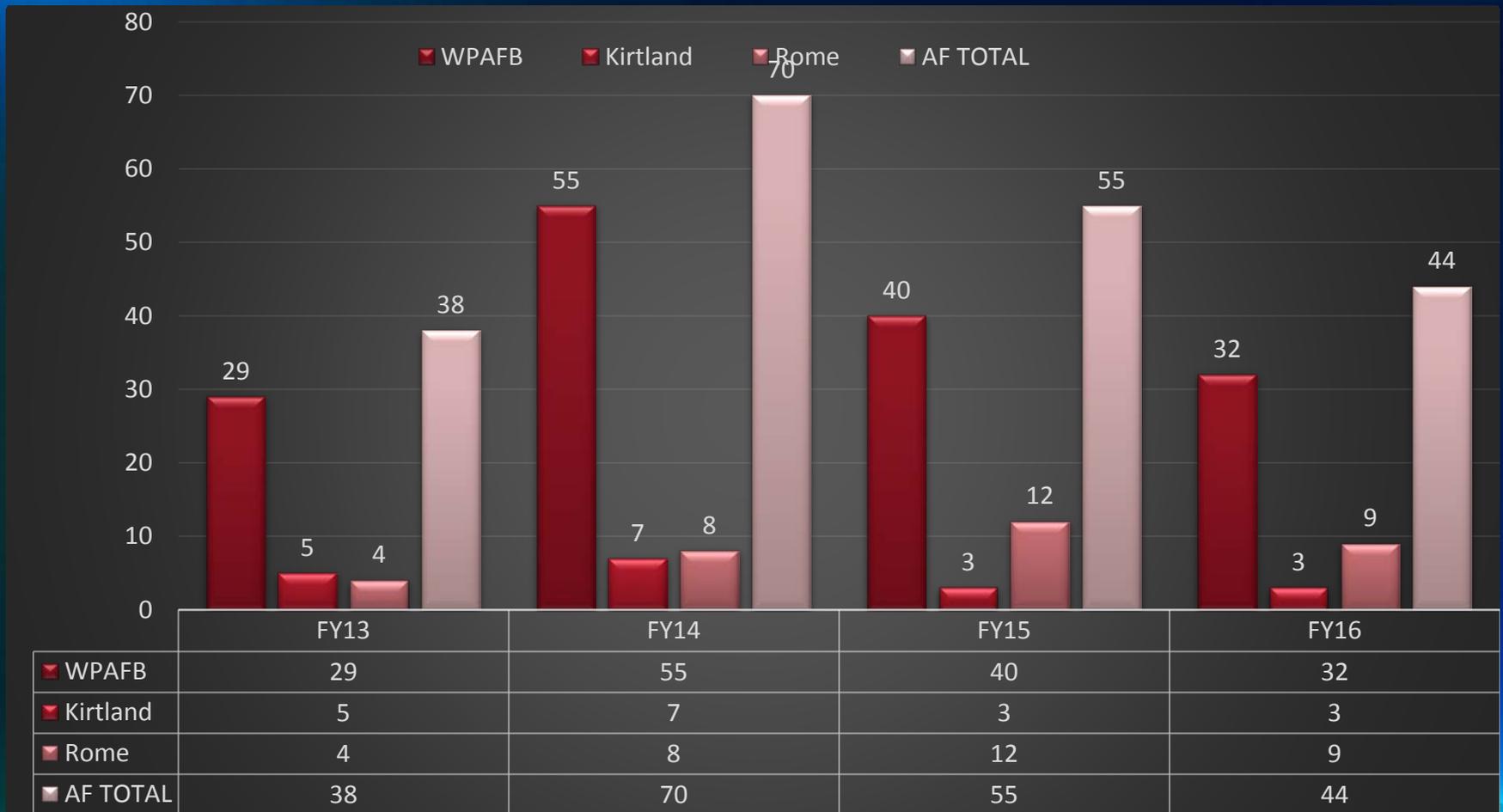
AIR FORCE RESEARCH LABORATORY SMALL BUSINESS DIRECTORATE
SMALL SOURCE | RIGHT VALUE | BIG PERFORMANCE

Sec AF Direction

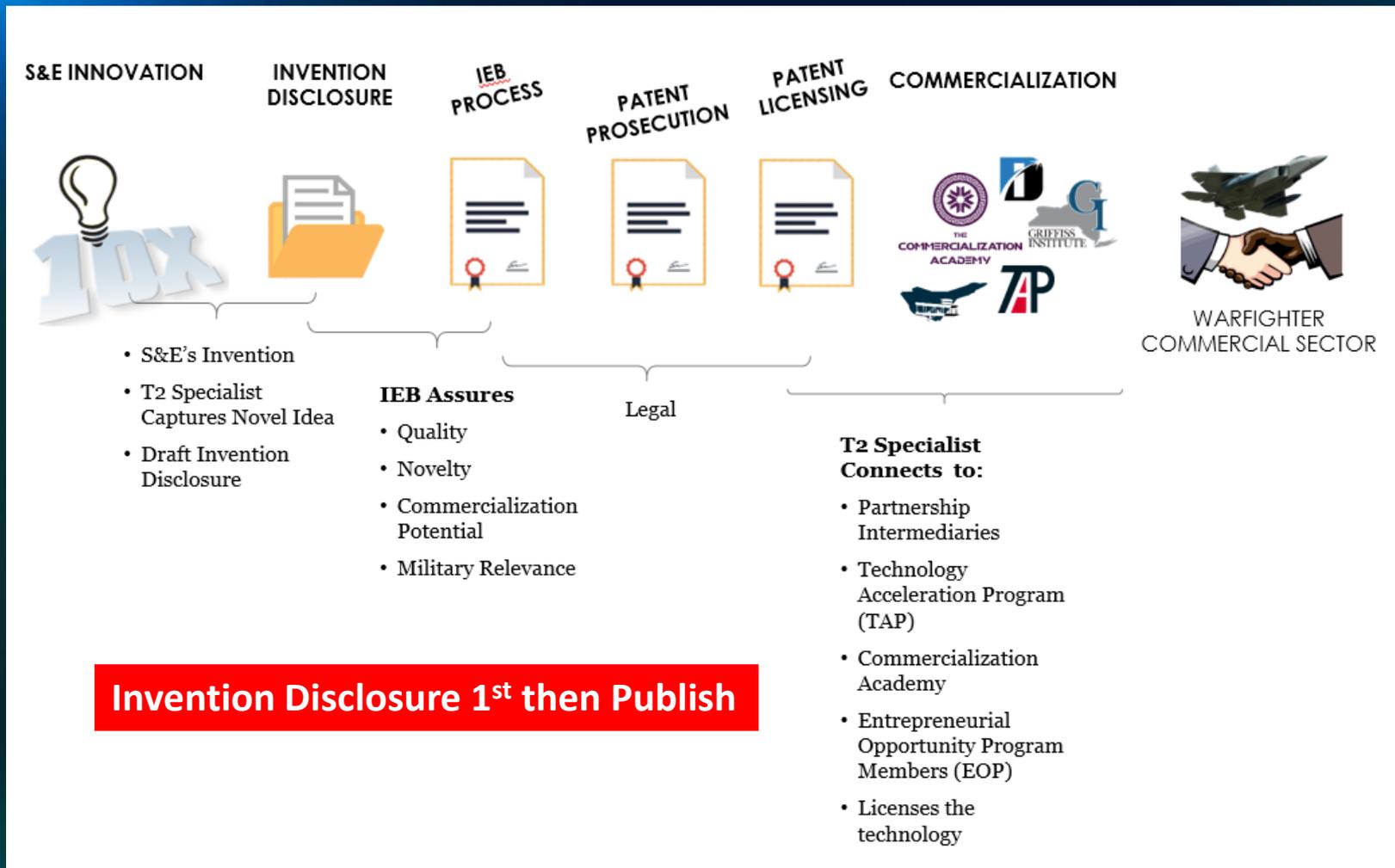
Per Richard Lombardi, Acting Assistant Secretary of the Air Force (Acquisition) 28 Dec 2015

- **“What we have learned is that the Air Force is not using intellectual property strategically to advance its organizational mission. Our intellectual property practice has suffered a long decline and required significant overhaul. The Secretary of the Air Force has taken note and has directed us to change course.”**
- **“Our aim for intellectual property is simple: stop the decline, reverse the trend and transform our program”**

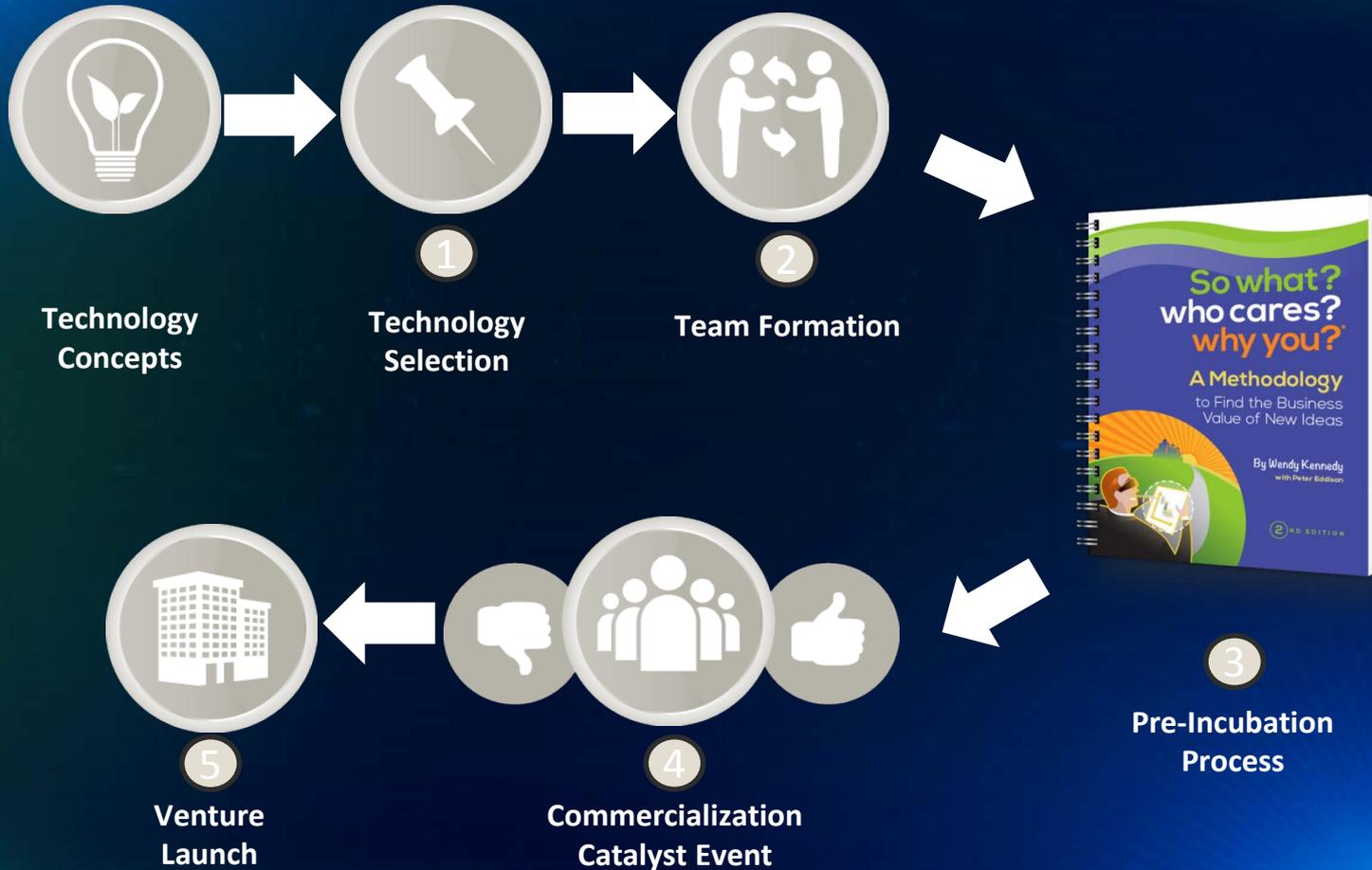
Patents



AF IP Has Value and Must be Protected



Start-Up TAP - Process



Startup TAP Academic Partnership

Start-Up TAP has integrated its technology assessment program into the higher education classroom:

- Semester-long, credit-bearing programs
- 6-18 students per class
- AFRL S&E participates as technical advisor
- Students select, assess and develop commercialization plans for ~4 technologies per class
- All student assessments captured and retained on the ArchiTech platform



Student output is a commercialization plan and pitch for each technology, including relative value assessments, market analyses and commercial pathway identification



Fundamentals of New Technology
Ventures (EGR 499 / MGT 429)



Business 4000



Start-Up TAP

AFRL

InfiniPure, LLC



InfiniPure

Creating Water Purity Solutions

LLC formed out of the 2015 AFRL Start-Up TAP program

Founders are students from Wright State University, Central State University and the University of Dayton

Company licensed an AFRL RQ axial slit capillary technology originally used to remove oxygen from jet fuel

Team placed 2nd in the University of Dayton Business Plan Competition (\$15,000), and has had significant venture capital interest

Currently in discussions with two venture investment and sub-license partners

CORESYTE SMALL BUSINESS STARTUP



UNITED STATES AIR FORCE



INDUSTRIAL STRATEGY INITIATIVE
GAME CHANGER SYNTHESIS
MAKER-BEYOND
DATA LEGACY CYBER
CONNECTION
AGILE COMBAT
NEXT GENERATION
COMMERCIALIZATION
INTEGRATION
INTELLECTUAL PROPERTIES
BUSINESS PRACTICES
EFFICIENT FUNDS
HIGH TECH CONTRACT
COMPOSITE
DEPLOY
PRODUCT VET
RESEARCH TECHNOLOGY TRANSFER

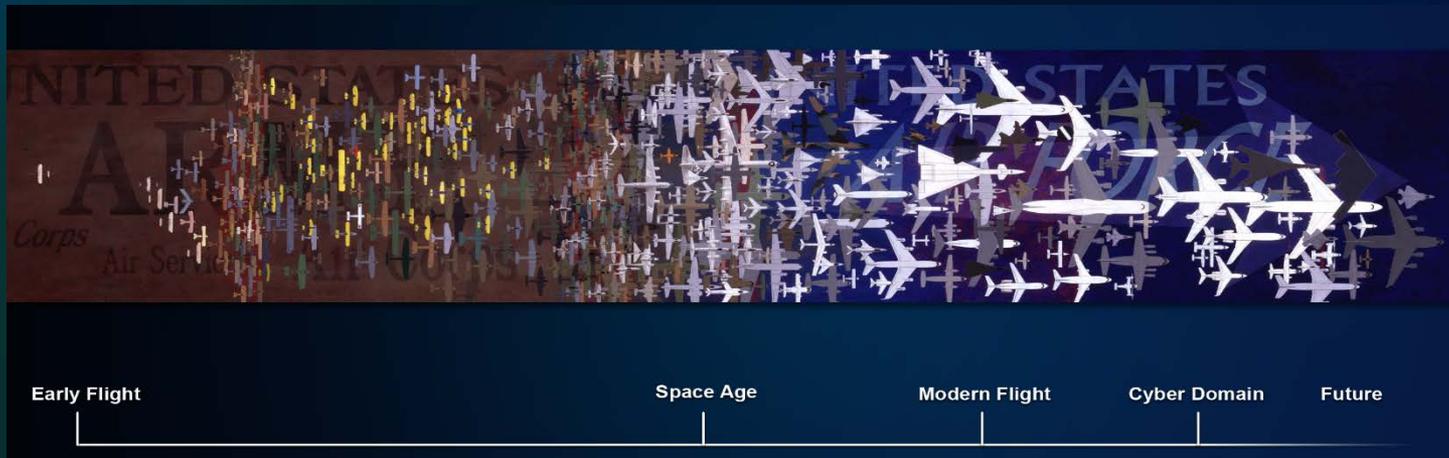
Small Business Programs



AIR FORCE RESEARCH LABORATORY SMALL BUSINESS DIRECTORATE
SMALL SOURCE | RIGHT VALUE | BIG PERFORMANCE

QUESTIONS?

REVOLUTIONARY · RELEVANT · RESPONSIVE



“The first essential of air power is preeminence in Research”

General Henry “Hap” Arnold