



**U.S. Department of Defense**  
Office of Local Defense  
Community Cooperation

# Defense Manufacturing Community Support Program

*ADC Installation Innovation Forum 2021*

# Section 846, 2019 NDAA (PL 115-232)

SEC. 846. Support for defense manufacturing communities to support the defense industrial base.

(a) Program authorized.—

(1) IN GENERAL.—The Secretary of Defense may, in coordination with the Secretary of Commerce and working **in coordination with the defense manufacturing institutes**, establish within the Department of Defense a program to make long-term investments in critical skills, facilities, research and development, and small business support in order to strengthen the national security innovation base by **designating and supporting consortiums** as defense manufacturing communities.

(c)(2) USE OF FUNDS.—A recipient of financial or technical assistance under the Program may use such financial or technical assistance to support an investment that will **improve the defense industrial base**.

# FY 2021 DMCSP Outcomes

## \$25M in FY21 Appropriations

- 21 total proposals received
  - 3 ruled non-responsive
- 18 complete proposals scored
  - Representing \$83.2M DMCSP of requests with \$35.4M match offered
  - 5 proposals awarded worth \$25M complimented by \$11.7M match

## What worked well

- Quality improved – previous applicants improved most
- Tough competition
  - Likely would have awarded additional grants had funding had been available

## What did not work well

- Applicant failure to understand 2 CFR Part 200
- Service areas often too large compared applicant capacity
- Lack of attention to detail

# Themes in the Program

- Regionalism
- Defense Manufacturing Institute connectivity/complimentarity
- Data-driven
- DoD Technology and/or manufacturing priorities
- Leverage and alignment
- Integration

# In Plain Language...

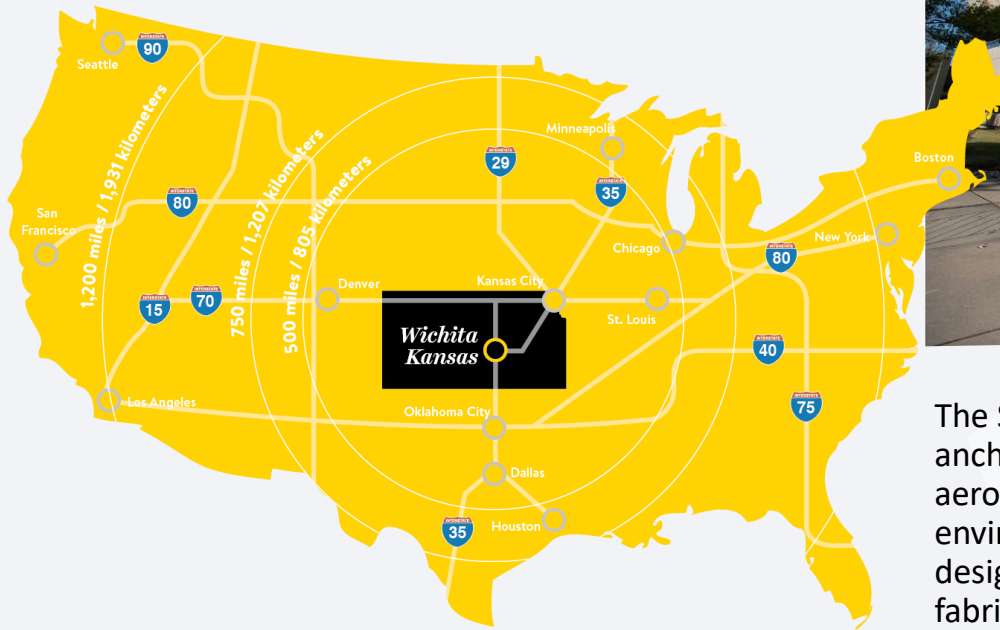
## In your application you should demonstrate that:

- You are an established entity that knows what it is doing
- You are working to support both the DoD Manufacturing Institutes and your local/regional community
- You have a well-integrated project
- You have a deep stakeholder pool that is not coming together simply because of the prospect of funding.
- Your project and its sub-elements clearly contribute to developing a defense manufacturing ecosystem, or at a minimum, a major piece of that ecosystem.
- Your project is sustainable and has defined beginning, middle, and end, with clear role definition among stakeholders.





# South Kansas Defense Manufacturing Community: National Defense Prototype Center

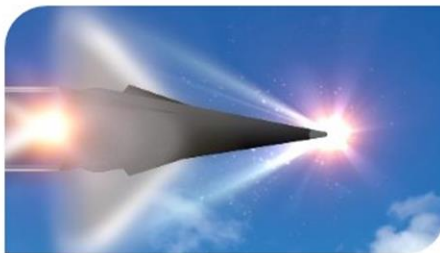


The South Kansas region is a mixed manufacturing ecosystem anchored in aerospace products. Due to the nature of aerospace's complex and regulated manufacturing environment, the region's manufacturers have highly complex design, automation, advanced materials, machinery, and fabrication supply chain capabilities.

# National Defense Prototyping Center FUTURE MATERIALS WORKSPACE



WICHITA STATE  
UNIVERSITY  
NATIONAL INSTITUTE  
FOR AVIATION RESEARCH

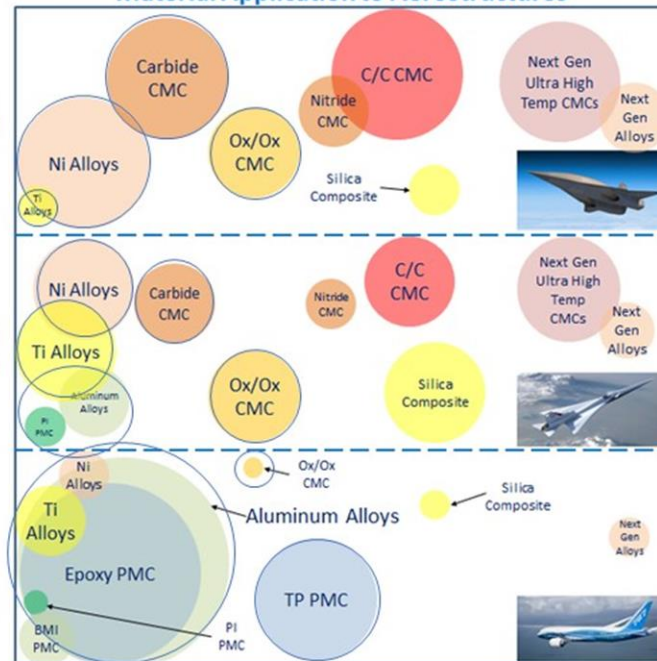


Hypersonic  
> Mach 5

Supersonic  
Mach 1.2-5

Transonic  
and  
Subsonic  
< Mach 1.2

## Material Application to Aerostructures



Service  
Temperature

- 3000°F+
- 2700°F
- 2300°F
- 1800°F
- 1600°F
- 1000°F
- 600°F
- 400°F
- 300°F

Bubble diameter  
represents relative  
market size within  
each sonic zone.

South Kansas Defense Manufacturing Community



# Understanding the Building Blocks of a Military Installation Resilience Plan:



## Panelists

### Moderator:

Celeste Boccieri – Werner, FAICP

- Matrix Design Group, *Chief of Strategic Development*

### Speakers:

John Conger

- The Center for Climate and Security, *Director Emeritus*
- 

Brigadier General Tyler Smith

- Assistant Adjutant General, Utah National Guard
- 

Richard King, AICP

- JBSA, 502<sup>nd</sup> ABW/CI Community Initiatives
- 

Mike Hrapla

- Matrix Design Group, *Senior Vice President*



# RESILIENCE...

## What's My Story



**Drove  
Through  
Fire**



**Launched  
an  
ICBM Missile**



**Walked on a  
Glacier in  
Antarctic**



**Waterskied w/  
Snow on the  
Ground  
in Ohio**



**Snorkeled one  
of the  
7 underwater  
wonders  
of the world**

**HAVE A  
QUESTION?**

TEXT

602.315.0736



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Celeste Boccieri-Werner





# AIM Higher Consortium – A Defense Manufacturing Community

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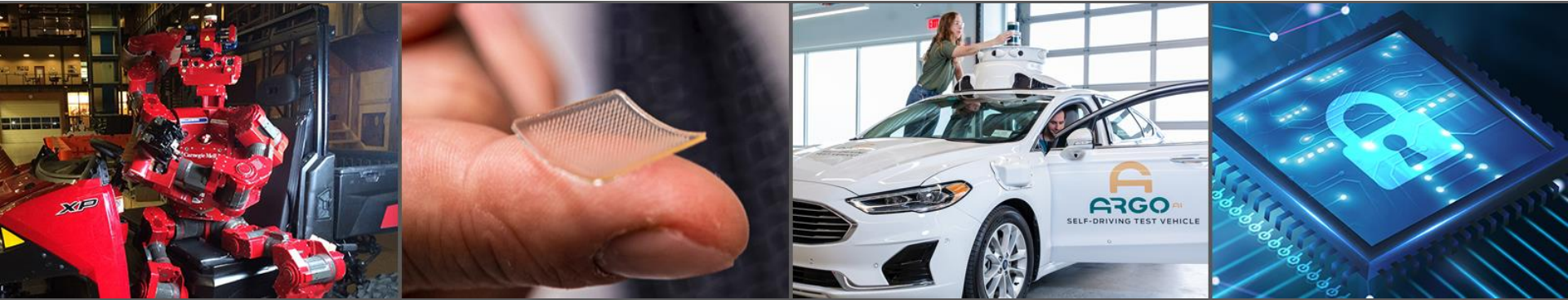
# About Us

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- Private, Not-for-Profit
- Consulting and Training Services
- Dedicated to serving small to medium sized manufacturers (SMMs)
- Engaged in the Community

## Supported by:





# There's Something Happening in Pittsburgh.

Opportunities are abundant for the savvy professional, entrepreneur or business looking to be part of something on the rise.

Here you can be a part of a:

- Top R&D driven innovation hub with an emerging global startup ecosystem
- Leader city for STEM professionals
- Growth market for the creative class
- #1 emerging life sciences cluster in U.S.



## Connections

### Economic & workforce development



### Technology institutes



### Universities



## Technical Assistance Projects

Product Development & Prototyping

CMMC Guided Self-Assessment

Systems Integrator Selection

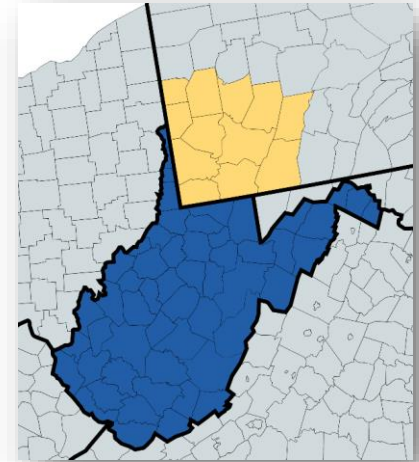
University and National Laboratory Technical Expertise





## What is the AIM Higher Consortium?

- Department of Defense OLDCC funded program
- Strengthen and expand DoD supply chain in SW Pennsylvania and West Virginia
- Focus on adoption of advanced manufacturing technologies
  - Artificial Intelligence and Machine Learning
  - Robotics
  - Additive manufacturing
  - Cybersecurity
- Benefits to Supply Chain Members:
  - Connections to Partners and other Suppliers
  - Resources, including Technical Assistance
  - Grants and Training – Mini-grants up to \$5000; low or not cost training
  - News and Events
- Includes defense suppliers in 12 counties of SWPA and all of West Virginia





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### Results to Date

- ✓ 28 Events and Convenings
- ✓ 13 Prototypes Developed
- ✓ 1 ARM Fellow Selected
- ✓ Strategic Roadmap Released
- ✓ Defense Supplier Capabilities Database Released
- ✓ 99 Defense Suppliers Assisted
- ✓ 270 Workers Trained



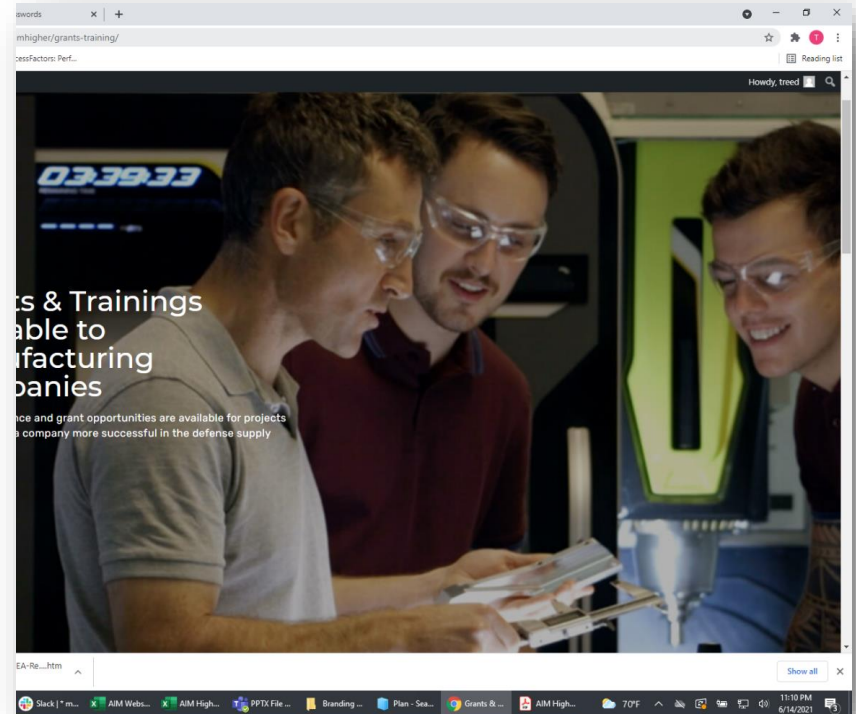
## Mini-Grants & Training

### Mini-Grants

- Up to \$5,000 in Matching Funds available for Business Expansion, and Adoption of Advanced Technologies

### Training Opportunities:

- General Manufacturing
- Additive Manufacturing
- Advanced Materials
- Robotics and Automation
- New Product Development



## Connect with Me



**Visit Our Website**

[www.catalystconnection.org](http://www.catalystconnection.org)

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Petra Mitchell, President and CEO  
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Pittsburgh, PA 15207  
[pmitchell@catalystconnection.org](mailto:pmitchell@catalystconnection.org)

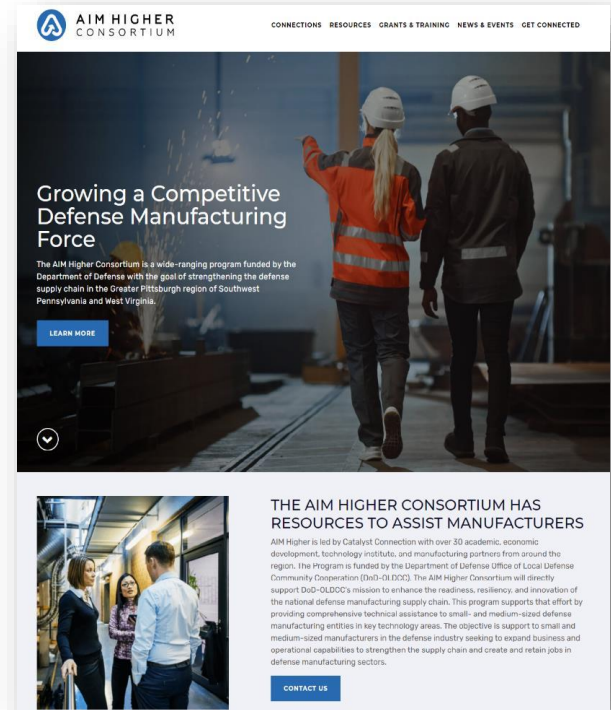
## News & Events

Visit our new website that shares the latest news and events about the defense supply chain:

[www.aimhigherconsortium.org](http://www.aimhigherconsortium.org)

### Events:

- “Showcase for Commerce” – Sep 1-2
- “Emerging Technologies and The Future of our Nation’s Defense” – Nov 9
- “Doing Business with the US Navy and Marines” – Dec 6
- Others - TBD



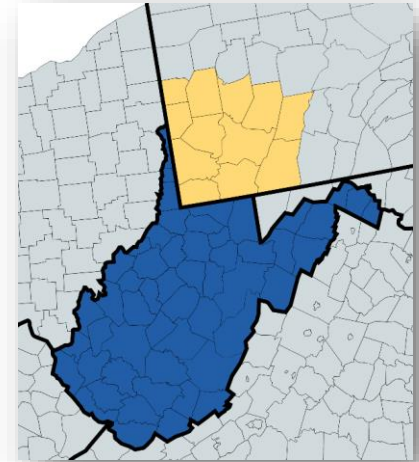






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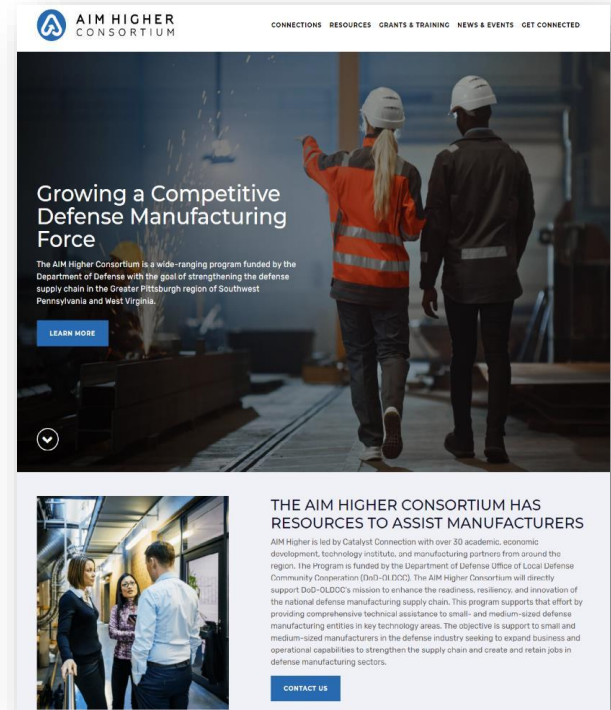
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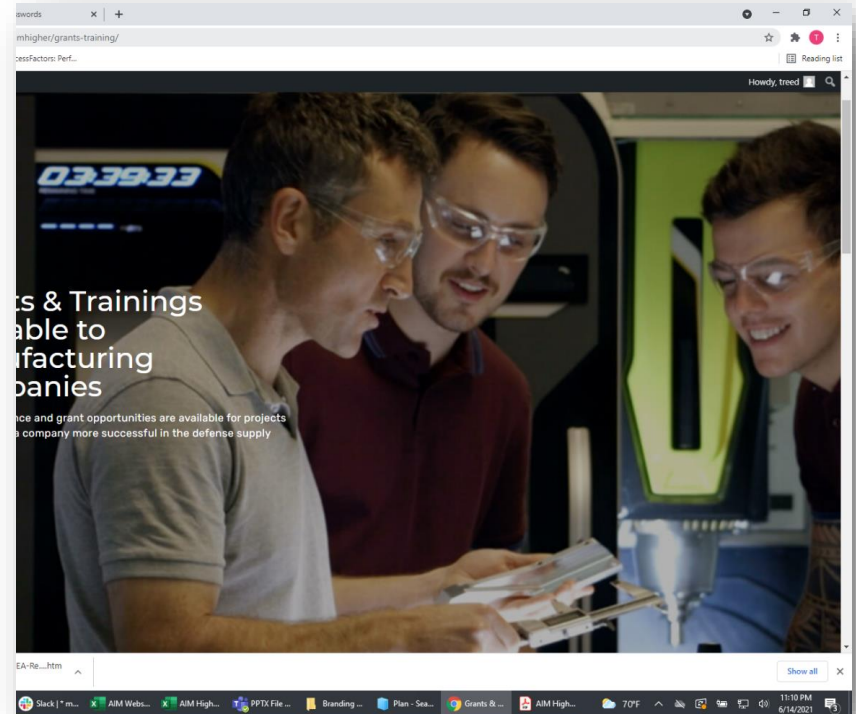
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