



RESEARCH  
AND ENGINEERING

UNDER SECRETARY OF DEFENSE  
3030 DEFENSE PENTAGON  
WASHINGTON, DC 20301-3030

19 OCT 2022

MEMORANDUM FOR THE DEFENSE MANUFACTURING COMMUNITY

SUBJECT: Recognizing 10 Years of the Department of Defense Partnership with its  
Manufacturing Innovation Institutes

The accomplishments of the nine Department of Defense (DoD) Manufacturing Innovation Institutes (MIIs) demonstrate the powerful benefit of public-private partnerships to the Defense Industrial Base and the Nation. In August 2012, DoD launched the first DoD MII, America Makes, to enhance America's strategic competitiveness while advancing DoD critical technologies. Today, there are nine DoD MIIs with over 1,580 members collectively. These members include commercial manufacturers of all sizes, start-ups, universities, and community colleges, along with state and local economic developers. The DoD MIIs have leveraged \$1.5 billion in Federal funding and \$2.2 billion in private-sector cost share, executing more than 1,110 applied research projects and over 480 education and workforce development projects. Such projects include a secure, DoD-wide additive manufacturing model exchange; America's first integrated silicon photonic circuit offering; and the world's only continuously cleaning antimicrobial mat.

The DoD MIIs are game-changing catalysts intended to build enduring advantages for the future Joint Force by connecting innovative industrial ecosystems with emerging technology and domestic market sectors. The DoD MIIs' increasing value to the Nation includes secure manufacturing supply chains and a growing skilled workforce. Their value prompts the Department's continued strategic engagement with the nine DoD MIIs. Through the DoD Manufacturing Technology Program, the Department commits to:

- Maintain active partnership with the DoD MIIs to ensure DoD equities, contingent upon periodic evaluation of performance and progress towards their chartering principles.
- Establish follow-on agreements, as appropriate and in the Department's best interest, at the Department's discretion.
- Integrate DoD MII project portfolios with the Department's critical technology areas.

I encourage the defense manufacturing community to leverage the DoD MIIs' technology development and manufacturing education resources. Through DoD's sustained partnerships, the DoD MIIs will continue to develop innovative advanced manufacturing solutions for greater national and economic security. I am proud of what we have accomplished in the past 10 years and look forward to strengthening our public-private partnerships for years to come.

A handwritten signature in black ink, appearing to read "Heidi Shyu".

Heidi Shyu