

Manufacturing USA[®]



A public-private partnership with U.S. industry and academia

Manufacturing USA includes three agencies and their sponsored manufacturing innovation institutes – the U.S. Departments of Defense (8 institutes), Energy (7 institutes), and Commerce (2 institutes) – along with 6 additional partner agencies. These institutes convene members from the public and private sectors to harness the potential of emerging technologies for large-scale innovation.

Electronics	Materials	Energy	Biomanufacturing	Digital /Automation
 AIM PHOTONICS Integrated Photonics Albany, NY Rochester, NY	 affoa [®] Advanced Functional Fabrics of America Advanced Fibers and Textiles Cambridge, MA	 EPIX Industrial Process Decarbonization Tempe, AZ	 biofabusa Regenerative Manufacturing Manchester, NH	 America Makes Additive Manufacturing Youngstown, OH El Paso, TX
 NEXT FLEX [®] Flexible Hybrid Electronics San Jose, CA	 IACMI Advanced Composites Knoxville, TN Detroit, MI	 REMADE INSTITUTE Sustainable Manufacturing Rochester, NY	 BioMADE Bioindustrial Manufacturing St. Paul, MN	 ARM INSTITUTE Advanced Robotics Pittsburgh, PA
 POWER AMERICA Wide Bandgap Semiconductors Raleigh, NC	 lift [®] The National Advanced Materials and Manufacturing Innovation Institute Materials Detroit, MI Caguas, Puerto Rico	 RAPID Transforming Process Industries Modular Chemical Process Intensification New York, NY	 NIMBL [®] Biopharmaceutical Manufacturing Newark, DE	 CESMII THE SMART MANUFACTURING INSTITUTE Smart Manufacturing Los Angeles, CA
 SMART USA Digital Twins for Semiconductor Manufacturing Durham, NC				 CYMANII Cybersecurity in Manufacturing San Antonio, TX

Public Partners

To promote a robust and sustainable national manufacturing infrastructure, the Manufacturing USA network includes the Department of Commerce, Department of Defense, Department of Energy, along with the Departments of Agriculture, Education, Health and Human Services, and Labor, National Science Foundation, and NASA.

MxD
 The Digital Manufacturing & Cybersecurity Institute
Digital Manufacturing
 Chicago, IL



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Apprenticeships

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Internships

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