

## Securing America's Manufacturing Future

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

Manufacturing USA exists to secure U.S. global leadership in advanced manufacturing by connecting people, ideas, and technology. Manufacturing USA institutes convene business competitors, academic institutions, and other stakeholders to test applications of new technology, create new products, reduce cost and risk, and enable the manufacturing workforce with the skills of the future.

These efforts help ensure what's invented here is made here by a skilled American workforce.



### Improve Our Way of Life

Innovations enabled by the Manufacturing USA institutes results in products that assist workers, make buildings safer, consume less energy, and save lives. Today's research will improve tomorrow's reality.



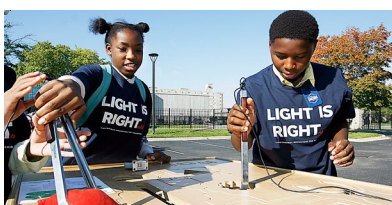
### Ensure Our National Security

Manufacturing USA institutes' efforts support a strong advanced manufacturing sector, critical for our cyber, economic, energy, food, and health security. The network's emphasis on domestic manufacturing and technology will secure American prosperity.



### Strengthen Our Economy

Manufacturing USA institutes lead research and development on critical manufacturing technologies to strengthen U.S. global competitiveness, ensuring our country will reap the rewards of American innovation at scale.



### Empower the Current and Next Generation

Manufacturing USA institutes partner with educational organizations to teach advanced manufacturing technologies via workshops, courses, internships, and apprenticeships. With this investment in skills, Manufacturing USA will create the workforce of the future.

## Making an Impact


Collectively, the Manufacturing USA institutes\*:

- Work with over **2,000** member organizations
- Collaborate on over **500** major research and development projects
- Engage over **70,000** people with workforce knowledge and skills in advanced manufacturing
- Invest **\$400M** in these activities from state, industry, and federal funds

\*2020 impacts

# Manufacturing USA Institutes

Manufacturing USA includes three agencies and their sponsored manufacturing innovation institutes – the U.S. Departments of Defense (9 institutes), Energy (6 institutes), and Commerce (1 institute) – 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/ Environment	Digital / Automation	Bio- Manufacturing
 Integrated Photonics Albany, NY Rochester, NY	 Advanced Fibers and Textiles Cambridge, MA	 Modular Chemical Process Intensification New York, NY	 Additive Manufacturing Youngstown, OH El Paso, TX	 Regenerative Manufacturing Manchester, NH
 Flexible Hybrid Electronics San Jose, CA	 Advanced Composites Knoxville, TN Detroit, MI	 Sustainable Manufacturing Rochester, NY	 Advanced Robotics Pittsburgh, PA	 Biopharmaceutical Manufacturing Newark, DE
 Wide Bandgap Semiconductors Raleigh, NC	 Lightweight Materials Detroit, MI	 Sustainable Manufacturing Los Angeles, CA	 Digital Manufacturing Chicago, IL	 Bioindustrial Manufacturing St. Paul, MN
			 Cybersecurity 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.



Learn more about how to participate by visiting [ManufacturingUSA.com](https://ManufacturingUSA.com).



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