

Manufacturing USA®

Securing America's Manufacturing Future

Manufacturing USA exists to secure U.S. global leadership in advanced manufacturing through large-scale public-private collaboration on technology, supply chain, and workforce development. The institutes in the Manufacturing USA network 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.

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

2023 Impacts



Work with
2,900+
Member
Organizations



Engage
150,700+
people with
workforce
knowledge and
skills in advanced
manufacturing



Collaborate on
920+
major applied
research and
development
projects



Invest
\$539M
in these activities
from state,
industry, and
federal funds

Improving Our Way of Life

Innovating products that assist workers, make buildings safer, consume less energy, and save lives. Today's research will improve tomorrow's reality.

Strengthening Our Economy

Leading 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.

Ensuring Our National Security

Supporting 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.

Empowering the Current and Next Generation

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



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 (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



Integrated Photonics
Albany, NY
Rochester, NY

Materials



Advanced Fibers and Textiles
Cambridge, MA

Energy/Processes



Electrified Industrial Process
Tempe, AZ

Digital /Automation



Additive Manufacturing
Youngstown, OH
El Paso, TX

Biomanufacturing



Regenerative Manufacturing
Manchester, NH

NEXT FLEX

Flexible Hybrid Electronics
San Jose, CA



Advanced Composites
Knoxville, TN



Modular Chemical Process Intensification
New York, NY



Advanced Robotics
Pittsburgh, PA



Bioindustrial Manufacturing
St. Paul, MN



POWERAMERICA
Wide Bandgap Semiconductors
Raleigh, NC



Materials
Detroit, MI
Caguas, Puerto Rico



Smart Manufacturing
Los Angeles, CA



Biopharmaceutical Manufacturing
Newark, DE



Sustainable Manufacturing
Rochester, NY



Cybersecurity in Manufacturing
San Antonio, TX



Digital Manufacturing
Chicago, IL

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.