

Strengthening U.S. Manufacturing: Manufacturing USA® and the Manufacturing Extension Partnership

Manufacturing USA and the Manufacturing Extension Partnership (MEP) coordinate complementary public-private partnerships to assist U.S. manufacturers. Both are headquartered at the National Institute of Standards and Technology (NIST), and support U.S. industry to manufacture high-quality American made products that compete in the global marketplace.



Manufacturing USA is a national network of 16 manufacturing innovation institutes created to secure U.S. global leadership in advanced manufacturing through large-scale public-private collaboration on technology, supply chain, and education and workforce development. The institutes, sponsored by the U.S. Departments of Defense, Energy and Commerce, partner with six additional federal agencies.



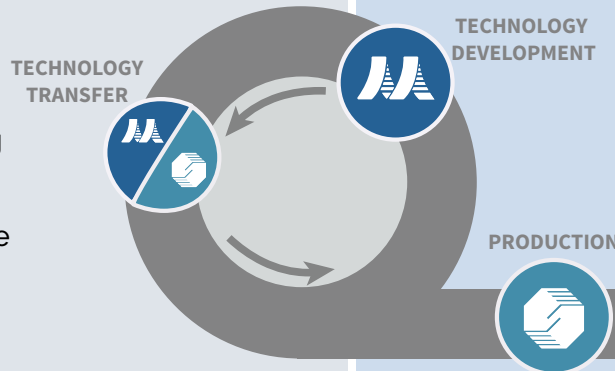
**MEP • MANUFACTURING
EXTENSION PARTNERSHIP**

MEP is a public-private partnership with Centers in all 50 states and Puerto Rico – with over 1,400 trusted advisors and experts at more than 385 MEP service locations working side-by-side with manufacturers to reduce costs, improve efficiencies, develop the next generation workforce, create new products, find new markets and more.

Serving U.S. Manufacturers Throughout the Full Product Life Cycle

Manufacturing USA:

Builds future manufacturing capabilities through applied research for technology development, along with the requisite workforce skills.



MEP: Focuses on deployment of available technology and business practices primarily to small and medium-sized manufacturers (SMMs).

Distinct Approaches, One Outcome: Strengthening U.S. Manufacturing



500+
MAJOR
R&D
PROJECTS



2,000+
PROJECT
PARTNERS



70,000
WORKERS
TRAINED

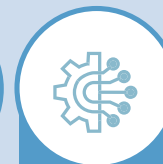


\$425
MILLION
STATE,
FEDERAL,
& PRIVATE
SUPPORT

2020 Manufacturing USA data.



27,500+
CONNECTIONS
WITH
SMMs



\$4.9
BILLION
NEW
CLIENT
INVESTMENTS



105,700+
JOBS
CREATED
OR
RETAINED










\$13
BILLION IN
SALES
\$2.7
BILLION IN
SAVINGS

2020 MEP data.

ManufacturingUSA.com

nist.gov/mep

Go-To Resources for U.S. Manufacturing

MANUFACTURING USA INSTITUTES		MEP CENTERS	
<p>Advanced Manufacturing Technology</p> 	<ul style="list-style-type: none"> Develop specific new and innovative manufacturing technologies Scale-up new manufacturing technologies to produce new products and processes across entire industry sectors 	<p>Business Practices</p> 	<ul style="list-style-type: none"> Lean and Continuous Improvement, Quality Management, Sustainability, Business Growth Services, Financial Services, Supply Chain Services, Risk Management
<p>Innovation Ecosystems</p> 	<ul style="list-style-type: none"> Spur creation and expansion of local and regional technology ecosystems Work across the national innovation ecosystem to strengthen manufacturing 	<p>Technical Services</p> 	<ul style="list-style-type: none"> Engineering Services/Plant Layout, Cybersecurity and Information Technology Services, Advanced Manufacturing Technology/Industry 4.0 Services, Product Development support, Process Integration
<p>Workforce</p> 	<ul style="list-style-type: none"> Strengthen workforce pipeline in specific technologies 	<p>Innovation Ecosystems</p> 	<ul style="list-style-type: none"> Go-to resource for building manufacturing communities within states
<p>Workforce</p> 			<ul style="list-style-type: none"> Talent planning; customized skills training, including apprenticeships & industry recognized certifications; connections with state & local resources

FOCUS ON

Large-scale collaboration with multiple organizations working together on R&D innovation projects

FOCUS ON

Primarily one-on-one interactions between MEP Centers and SMMs in their state

16 national institutes, each with a particular technology focus. Members include companies and universities from all 50 states and Puerto Rico.



Members join institutes and gain access to each other, shared facilities, technology, equipment, intellectual property, and training and development opportunities.

Public-private Partnership

Public funders: Departments of Commerce (1 institute), Defense (9 institutes), Energy (6 institutes)

Matching funds provided by member companies, academic organizations, and state and local governments.

51 MEP Centers located in all 50 states and Puerto Rico, trusted advisors and experts at MEP service locations serve local manufacturers but collaborate and share expertise nationally.



Centers work within a state ecosystem and provide fee-for-services to manufacturers.

Public-private Partnership

Public funder: Department of Commerce

Additional funding from state and local governments.

Joint Projects



Cybersecurity for manufacturers



Education and workforce development in advanced technologies for SMMs



Technology transfer and implementation from the institutes

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