The Manufacturing Extension Partnership (MEP) Program and Manufacturer Resilience

National Academies Workshop: Fostering Sustainable and Resilient Supply Chains with Emerging Technology
February 3, 2021

David C. Stieren
NIST MEP Division Chief, Extension Services
david.stieren@nist.gov

MEP • MANUFACTURING EXTENSION PARTNERSHIP®

https://www.nist.gov/mep/mep-national-network

NIST National Institute of Standards and Technology U.S. Department of Commerce

The MEP National Network

Non-federal assistance Centers located in all 50 states and Puerto Rico.

- Public-private partnership with local flexibility.
- Program managed at federal level by NIST

Federal funds, state investments, and private sector fees cover services.

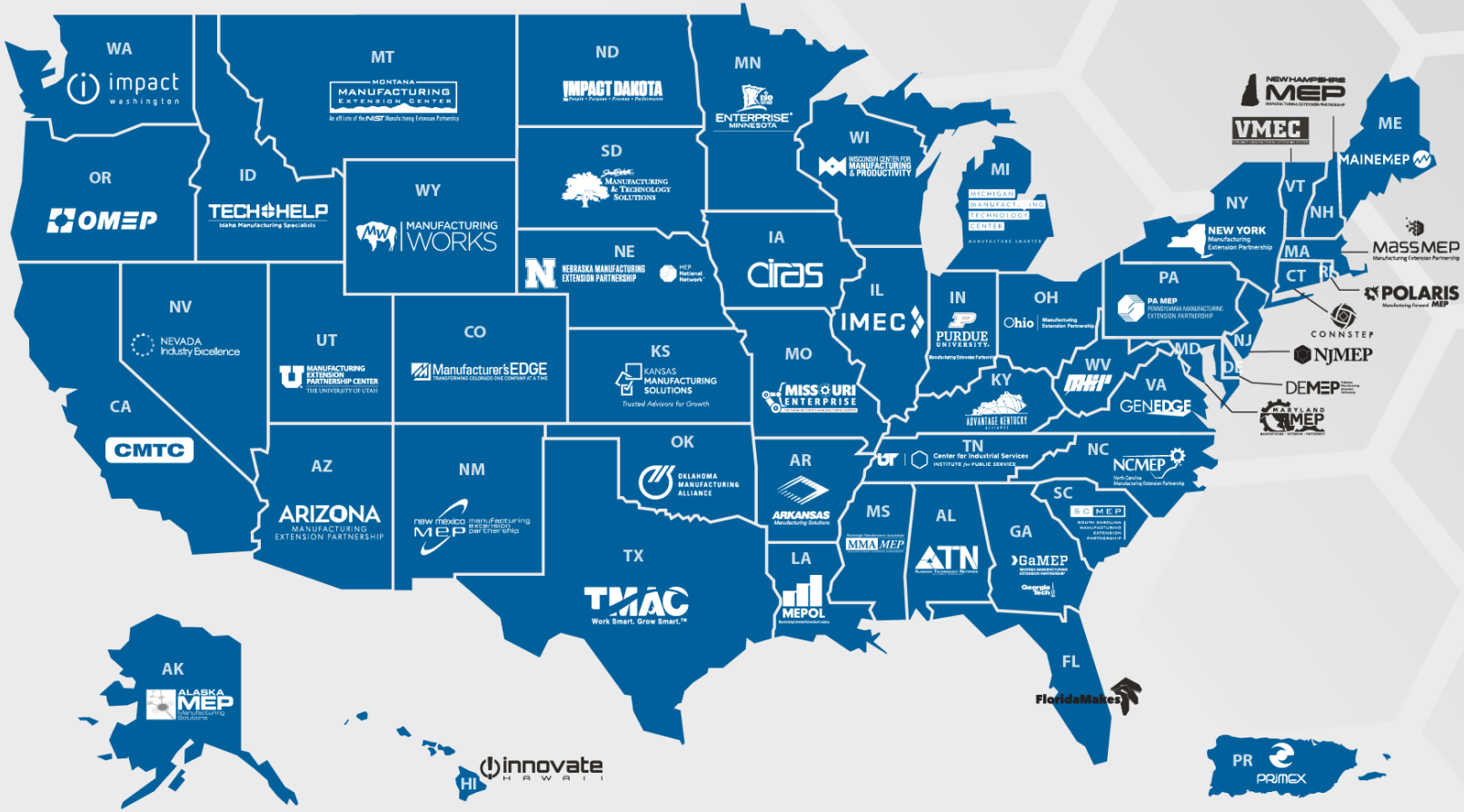
- *$150M FY21 federal*

Market driven program that creates high value for manufacturers.

Leverage partners to maximize service offerings.

Transfer technology and expertise to manufacturers.

MEP National Network



MEP Assistance Area Examples

Many interdependencies with Resilience

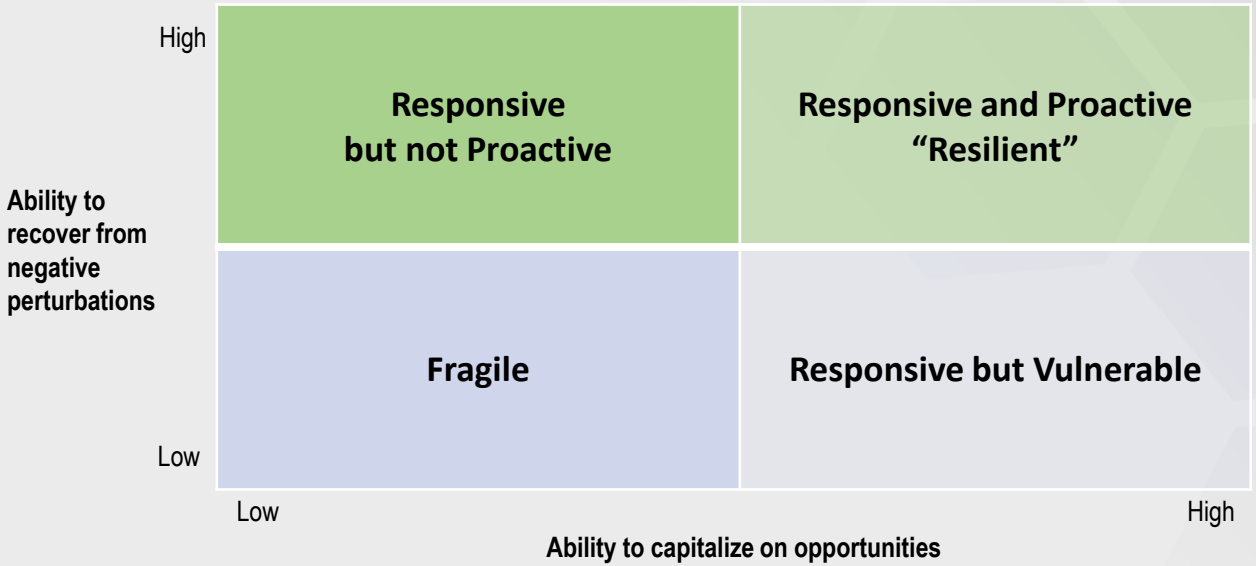
MEP and Manufacturer Resilience

- ***Resilient Manufacturers*** operate based upon data-driven business decision-making across their environment of inputs, processes, and outputs

- ***MEP assistance with Manufacturer Resilience*** includes a systems perspective applying to:
  - *Supply chain inputs, In-factory processes, Customer and market outputs*

- Recent areas of MEP resilience-related assistance to U.S. manufacturers include:
  - *Pandemic response, including pivoting to new production and new customers/markets*
  - *Identification of new suppliers, customers, markets (Supplier Scouting)*
  - *Disaster recovery and continuity of operations (COOP)*
  - *Business assessments*
  - *Supply chain visibility and sourcing strategies*
  - *Advanced Manufacturing Technology awareness and integration*
  - *Cybersecurity and risk management*

Manufacturer Resilience Matrix



Refers to the capabilities and capacities of the manufacturer as a functioning business entity; specific operating practices should likewise reflect these attributes