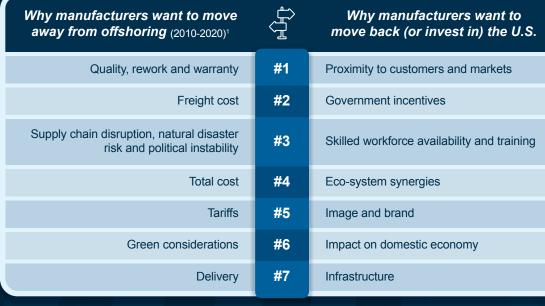
BRINGING MANUFACTURING BACK TO AMERICA

In the past decade (2010 - 2020), more than

1,000,000 jobs were reshored back to the U.S.¹

Where We Were Before the Pandemic





Lean supply chain performance: the shorter the lead time, the less stock & raw materials needed on hand.2

Note that factors are very similar for domestic companies choosing to reshore and foreign companies choosing to invest in the U.S. Slight variation is seen in some instances. For example, companies choosing to reshore place more emphasis on brand ("Made in U.S.A." image) and impact on domestic economy. Foreign Direct Investment (FDI) decisions place more emphasis on government incentives and proximity to customers.1



(includes Foreign Domestic Investment (FDI) (2010-2020)¹

Top Industries Reshoring Back to the U.S.

Transportation equipment

Computer and electronic products Electrical equipment, appliances & components

Chemicals

Plastic and rubber products

Medical equipment and supplies Apparel and textiles



Pandemic Disruption

Our Reliance on Foreign Sources

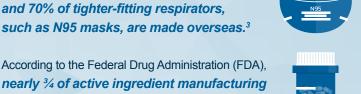
figures show that 95% of surgical masks and 70% of tighter-fitting respirators, such as N95 masks, are made overseas.3

U.S. Department of Health and Human Services

The pandemic affected 98% of global supply chains, according to an Everstream

facilities for medicines sold in the U.S. are

survey of supply chain professionals.5





Recognition of Supply Chain Risk



spiked concerns and heightened comprehension of

➤ Moving the needle from 'cost-competitive' rationales to 'risk-competitive' rationales. Shifting to 'stakeholder capitalism' with stakeholders defined

the state.7

more broadly as shareholders, consumers, employees, and

of firms surveyed said

Rethinking Supply Chains

located in other countries.4

70%

they were likely to reshore in the coming years.

Thomas Industrial Survey March 20209

expect less focus on Just-In-Time

62%

manufacturing models.

Foley and Lardner LLP survey¹

of companies have reshored at least a portion of manufacturing

41%

supply chain risk.6

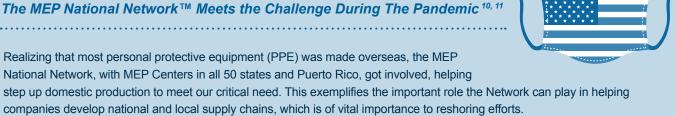
operations back to the U.S. within the past 3 years. Kearney survey, March 2021, 120 U.S. manufacturing executives 8

of onshore production outweigh higher labor costs.

agreed that benefits

49%

Realizing that most personal protective equipment (PPE) was made overseas, the MEP National Network, with MEP Centers in all 50 states and Puerto Rico, got involved, helping



The Alaska Manufacturing Extension Partnership Center The Center helped match those in need of PPE with over 70 local manufacturers producing PPE, and helped transition a number of Alaska manufacturers to convert their operations to manufacture PPE.



CONNSTEP, the Connecticut Manufacturing Extension Partnership Center

The Center developed a dedicated COVID-19 webpage for crucial material and resources for disaster loan and relief, labor and unemployment, workplace health and safety, and more. CONNSTEP created a separate website to match PPE manufacturers with the needs of healthcare workers and partnered with the state and



its chief manufacturing officer to help facilitate the distribution. The Ohio Manufacturing Extension Partnership Center

The Center worked with the Ohio Hospital Association, the Ohio Manufacturers' Association, and JobsOhio to source and manufacture PPE. Ohio MEP coordinated an alliance with 19 manufacturers that quickly retooled to produce face shields to meet state and national demand and supported unique needs for testing booths.

Factors Accelerating Reshoring 8, 12

The Future of Reshoring

Executive Order 14005 Ensures the federal government invests taxpayer dollars in

Establishes substantial role for the Manufacturing Extension Partnership (MEP) in conducting supplier scouting to identify domestic suppliers that are able to "produce goods, products,

Executive Order 14017

products "Made in America"

and materials in the United States that meet federal procurement needs."

Assessing and strengthening the resilience of supply chains > Reviewing supply chain risk, reshoring, and developing domestic and alternative supply chains. Use of Defense Production Act to address supply of PPE, tests, and vaccines.

Calls for Reshoring from Industry



invest in domestic production of PPE.14 The American Medical Association (AMA) has called on the U.S. government to ramp up PPE production in the U.S, citing shortages.15 ➤ More than 33% of 3,500 doctors responding to a 2020 AMA survey said acquiring PPE was very or extremely difficult. In small practices, that number was even greater: 41%.16

A coalition of 21 industry groups including the American

Organizations, The Alliance for American Manufacturing, the American Iron and Steel Institute, and the American Steelworkers have called on the U.S. government to

Federation of Labor and Congress of Industrial

The Cost-Benefit Analysis

Reshoring will require investment:

consumption in China," they

could face \$1 trillion in capital

expenditures over a five-year

National Apprenticeship Act

apprenticeship opportunities

Could create nearly 1 million new



domestic supplier in the next

is injected into the

year, an estimated \$443 billion

If all foreign firms, including The opportunity U.S. companies, were to is enormous: reshore their manufacturing operations from China for If 83% of U.S. manufacturers products "not intended for contract with only one new

period – but analysis suggests that this is supportable; the return on capital investment would only decrease slightly.7



In support of Executive Orders 14005 and 14017 - to focus on manufacturing in

companies reshore their manufacturing operations by identifying domestic suppliers through Supplier Scouting.

MEP National Network Supplier Scouting Success Stories

How the MEP National Network Can Help Reshoring Efforts

America and establishing domestic suppliers – MEP Centers can help

By scouting and vetting local manufacturing By scouting and vetting providers of key technologies, GENEDGE, the Virginia MEP, suppliers for key components, FASTLANE, part of the Ohio MEP, helped the helped Morphix Technologies - a developer entrepreneurs behind Edge Cycling and manufacturer of colorimetric chemical Technologies identify the suppliers to detection products - diversify beyond the develop and produce their innovative, defense market and grow production protective bicycle seat.17 capacity in a new product line.18









