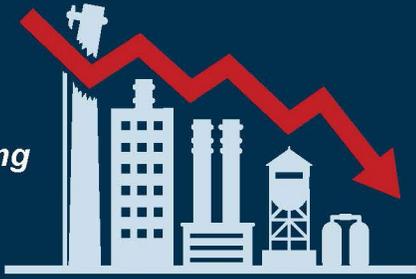


Manufacturing Myths – Debunked!

- THE TRUTHS ABOUT THE INDUSTRY TODAY -

Myth #1

U.S. manufacturing is in decline.



Truth

Employment, shipments, and exports are on the rise.



Manufacturing is 11% of the U.S. GDP when narrowly defined by government statistics including only the value-added of manufacturing facilities

Manufacturing is 1/3 of the U.S. economy when you include facilities **AND** everything they involve:

- Upstream raw materials
- Energy consumed by factories
- Corporate offices and R&D centers
- Logistics
- Downstream wholesale and retail distribution



U.S. is **2nd largest manufacturer in the world**, responsible for **17% of world manufacturing activity**.

Longest continuous post-war expansion of manufacturing employment took place between 2010 and 2019 (prior to pandemic), with modest but consistent gains.



Manufacturers' sales increased by 29% over the decade 2009 – 2019, and **manufactured exports grew by 51%** during the same period.



HOW THE MEP NATIONAL NETWORK HELPS

The MEP National Network™ contributes to the growth of U.S. manufacturing.



\$13 Billion



105,000 Jobs

In **FY 2020** alone, the Network helped to generate **\$13 billion** in new and retained sales and create or retain more than **105,000 jobs**.



\$127 Billion



1.1M Jobs

Since its inception in **1988**, the MEP National Network has helped generate over **\$127 billion** in new and retained sales and create or retain over **1.1 million jobs**.



www.nist.gov/mep/mep-national-network
1-800-MEP-4MFG

Sources: US Bureau of Economic Analysis; The Manufacturing Value Chain Is Much Bigger Than You Think!, Daniel J. Meckstroth, PhD, Vice President and Chief Economist, MAPI Foundation, February 2016; Gray.com, Debunking Myths About U.S. Manufacturing; Myth-Busting American Manufacturing, MAPI Foundation.org, 5/18/17; US Census Bureau, International Trade in Goods and Services; US Bureau of Labor Statistics, Current Employment Statistics, February 2021; Blog.Thomasnet.com, 4 Myths About American Manufacturing, Team Thomas, 9/18/18; California's Manufacturing Industries, Institute for Applied Economics, June 2014; Statista.com, Total employed persons in the United States in 2020, by industry, January 2021; US Bureau of Labor Statistics, Employer Costs for Employee Compensation, National Compensation Survey, 2020; US Bureau of Labor Statistics, Occupational Employment Statistics Survey; World Economic Forum.org, 4 Myths About Manufacturing in the Fourth Industrial Revolution, Ian Cronin, Adrian Widmer, and Diego Hernandez Diaz, 2/4/19; California's Manufacturing Network, The 3 Biggest Myths About Advanced Robotics in Manufacturing, 2/13/18; Autonomous Manufacturing, What Is Industry 4.0? Dispelling 4 Common Myths, 1/15/19; CNBC.com, Manufacturers to spend \$26.2 billion on 'upskilling' in 2020 to attract and keep workers, 1/17/20; Kentuckianetworks.org, What Manufacturing Can Teach Us About How Automation Impacts Jobs, Kathleen Bolter, 6/18/19; VoxEU.org/CEPR, Automation and Jobs: When Technology Boosts Employment, James Bessens, 9/12/19; 2018 Deloitte and The Manufacturing Institute skills gap and future of work study; The Manufacturing Institute Training Survey, 1/17/20; MEPNN FY2020 Impacts Overview; Nist.gov/mep/mep-national-network/manufacturing-videos; Nist.gov/mep/manufacturing-day; Nist.gov/mep/successstories, Bringing Innovation to Rural Clothing Manufacturer, 2020; Nist.gov/mep/successstories, Port Chilkoot Distillery Maximizes Energy Efficiency, 2020