



New Policies and Legislation Impacting Digital Manufacturing

Digital Manufacturing: Building a Resilient Supply Chain

April 21, 2023

The logo for RAMP MD features the word "RAMP" in black and "MD" in green, both in a bold, sans-serif font. Below the text is a decorative horizontal line composed of a series of dots in orange and red, which tapers to the right.

RAMP MD

Introductions

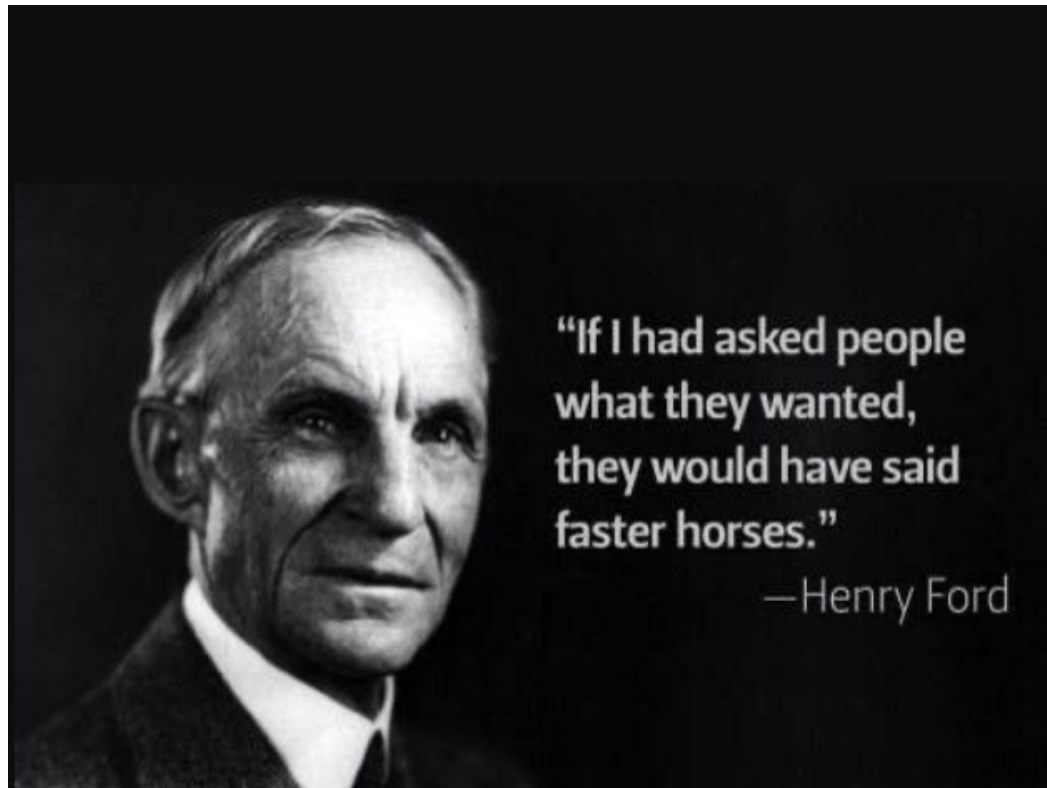


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Technology, Talent & Transformation



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World Economic Forum 2016

The Fourth Industrial Revolution refers to the ongoing transformation of our society and economy, driven by advances in artificial intelligence, robotics, autonomous vehicles, 3-D printing, nanotechnology and other areas of science. The innovation at the intersections of these disciplines promises to change life in new and unforeseen ways and will affect every industry and society.

Industry 4.0 Working Group

- Legislated working group convened in 2021 and tasked with developing recommendations for Transforming Manufacturing in a Digital Economy
 - Chaired by Delegate Lily Qi, with Senators Rosapepe and West
 - Comprised of industry professionals, champions and manufacturing stakeholders

Website:

[About Commerce Transforming Manufacturing in a Digital Economy Workgroup \(Make it in Maryland\)](#)

Working Group Recommendations

- **Establish a Technology Grant Program to assist small and mid-sized manufacturers with the purchase of 4.0 technologies**
- Establish and fund a Manufacturing Technology Innovation Center
- Align Manufacturing industry skills needs with state-wide curriculum
- Pass legislation that would open PEO access to manufacturers with less than 50 employees
- Amend code to include indirect digital products and software as a technology purchase
- Pass legislation to create a Buy Maryland Manufacturing Tax Credit program
- Encourage local land use and zoning regulations, as well as incentives to ensure adequate inventory of properties for expansion and attraction of existing and new manufacturers
- Create a state matching fund to buy-down the costs and improve the ROI for the purchase of major facility systems that impact environmental outcomes (HVAC, electrical, etc.)
- Establish a program to identify and support companies that make products or components that support sustainability and reduce carbon footprints

2022 – 2023 Key Outcomes

- Establishment of the Maryland Manufacturing 4.0 Grant Pilot Program
 - 23 Companies / Projects awarded
- **Creation and passage of House Bill 622 for the Creation of an Industry 4.0 Technology Grant Program**
 - Initial ask for \$10m / year for 5 years
 - Legislation passed both House and Senate (modified to \$1m / year)

Legislative Messaging

- Manufacturing is a **jobs engine** for Maryland
- Manufacturing creates **opportunities for equity**
- Maryland **manufacturing is critical** to our national defense supply chain and infrastructure
- Make Maryland the showcase for **advanced manufacturing and technology**
- Maryland manufacturing can be the leader in **renewable energy and green technology sectors**

Call to Action

- Continue to share messaging about importance of manufacturing on our economy
- Advocate and ask for additional funding to bring Technology Grant Program into alignment with neighboring states (i.e. NJ is a \$30m / annual)
- Opportunities to prioritize and promote other working group recommendations
- Educate and engage legislators and stakeholders
- Recruit champions

Questions?



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