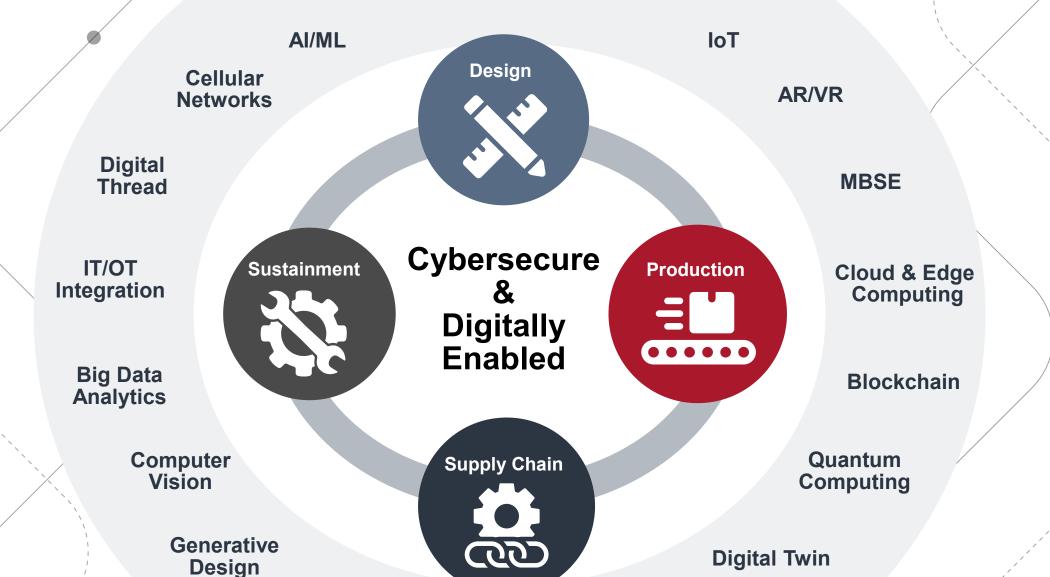


MxD Overview

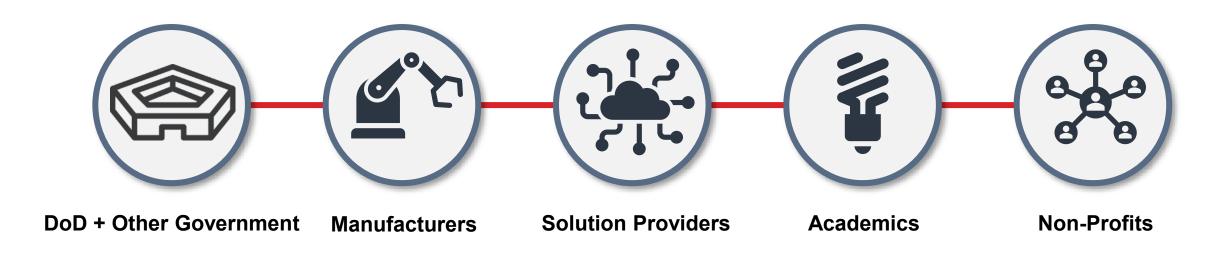
ORAU
October 22, 2025



Advanced Manufacturing Requires Digital Transformation



MxD Network Collaborating to Drive Impact



Over 350 Members

22Top Tier Members





MxD's TOP-TIER MEMBERS

Tier 1



















Tier 2





























Convene. Advance. Empower.

Digitally Transform and Secure U.S. Manufacturing

CONVENE the MxD network of members and partners to identify key challenges manufacturers face in modernizing and securing their operations.

- OIB Workshops
- Manufacturing x Digital Summit
- GenAl Summit
- Quantum Summit
- Metaverse Event
- NIST MBE & QIF Summit
- DIB Supply Chain

Over 10k Visitors Annually

ADVANCE technology innovation and secure digital adoption by addressing barriers across the manufacturing supply chain.

- Digital Twin
- Digital Thread
- Al and Data Analytics
- Supply Chain
- Cybersecurity
- Edge & Cloud Computing
- IIoT / MxD Sensor Kit

\$415M+ Public-Private Funding

EMPOWER the workforce with resources that support skill development necessary to meet industry's current and future needs.

- MxD Learn Hiring Guides
- CAPITAL Certification-based workforce training programs
- MxD Learn Virtual Training Center
- MxD Learn Lab Recording Studio
- OIB WFD Project with LIFT and ARM

Over 300K Learners Engaged



Manufacturing Industrial Base Is Facing Challenges



≈20k Lost

Industrial base is shrinking with 11% of the Smallest **Manufacturers lost** in 10 years



#1 Target

Since 2021, manufacturing is the top cybersecurity attacked industry



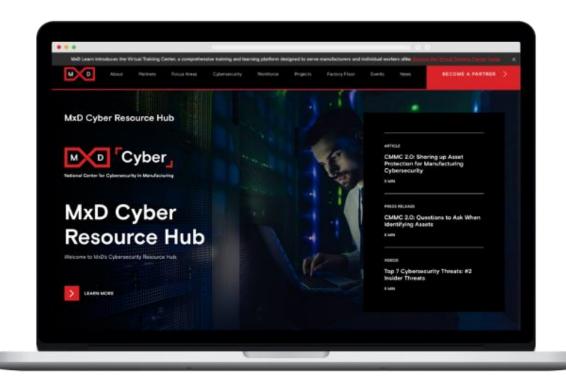
2.1M Gap

U.S. manufacturing jobs expected to go unfilled by 2030 due to a skills shortage



MxD Cyber Resource Hub

One-stop Resource for Cyber Content & Tools

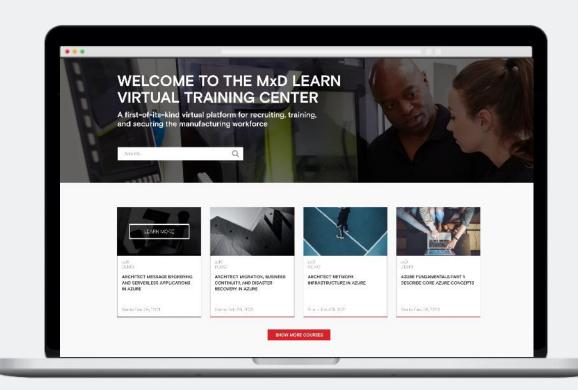


mxdusa.org/cyber



MxD Learn
Virtual Training Center
(VTC) Platform

Improving Access to Learning



mxdusa.org/vtc



Workforce Development Impact



Develop

36 Courses

across digital manufacturing and cybersecurity

Including:
Digital Design
Data Analytics
Cybersecurity for Al
Machine Learning

CAPITAL CYMOTcoursera

Deliver

300,000 Learners

supported through MxD's portfolio of workforce training programs over the last 5 years





The MxD CAPITAL Program

5 free, self-paced, virtual role-based programs for manufacturing workers at different stages of their career.

Extensive research identifies these as jobs needed for manufacturing's future.

Manufacturing requires a skilled workforce that uses critical technologies.

Manufacturing offers **job security** and roles that pay well for workers with in-demand skills.

With the right training and skills, workers can advance faster.



MxD Projects

Collaborating with Members to Address **Industry Needs**



mxdusa.org/projects







PUBLIC + PRIVATE FUNDING

\$415M

PROJECTS

190+

LEARNERS ENGAGED

300K+

650
Members
Over 10 years

10K+ visitors annually

"MxD, a beacon of progress in equipping US factories with the digital tools, cybersecurity measures, and workforce expertise that is necessary in the modern era"

Ms. Heidi Shyu, Under Secretary of Defense for Research and Engineering

Why MxD



Know the Challenges



Trusted and Neutral



Speed and Scale

Point of Contact:

20

Tony Papke

Sr. Director Business Development tony.papke@mxdusa.org