



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

FEDERAL FACILITIES COUNCIL

Panel 4: Accelerating Economic and Local Impacts

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Military in Maryland



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Military and Federal Presence In Maryland

- Over 20 military facilities including 12 major installations
- Over 60 civilian federal agencies
- 74 federal labs – more than twice as many as any other state



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Major Installations in Maryland

- Aberdeen Proving Ground
- Adelphi Laboratory Center (ARL)
- Curtis Bay Coast Guard Yard
- Fort Detrick
- Fort George G. Meade
- Walter Reed Forest Glen Annex
- Joint Base Andrews
- NAS Pax River
- NSF Indian Head
- NSWC Carderock
- NSF Annapolis - US Naval Academy
- NSF Bethesda - Walter Reed National Military Medical Center



Representative Federal Agencies in Maryland

- Agriculture (1)
- Census
- CMS
- DoD (26)
- DHS (2)
- Energy
- EPA
- FEMA
- FBI (1)
- HHS (22)
 - FDA
- IRS
- NASA (1)
- NIH (10)
 - NCI
- NIST (1)
- NOAA (8)
- NSA (1)
- NRC
- SSA



Economic Impact

\$57.4 B

economic output from military installations

Jobs: 410,219

Payroll: \$25.7 B

Total Federal Spending:

- FY16 Contracts - \$27.9 billion
- Maryland ranks #1 in federal R&D obligations

Defense Spending

- Maryland in top 5 states
- Maryland 2nd for Army small business spending



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Leveraging Federal Labs

- Southern Maryland Technology Commercialization Pilot Program
 - 4 Regional Navy Bases
 - Patent database of over 1,700 available technologies
 - Innovation driving regionalism
- New Regional Innovation Centers
 - Velocity Center: directly supporting Indian Head; partnership with College of Southern MD; initial funding from Maryland's E-nnovation Initiative (MEI)
 - UAS Test Site/ Business Incubator: Enhancing RDT&E of autonomous technologies supporting NAVAIR and NAWCAD and UAS commercial market; Managed by UM Clark School of Engineering; New UM academic building to support UAS education & research



Maryland DefTech

- Partnering with Technology Transfer Offices of CERDEC, ARL, ECBC, and RDECOM to:
 1. Promote commercialization of Army tech.
 - **How: Promote army technology and T2 throughout region at events and in meetings.**
 - **How: Host multiple events to showcase innovative technologies.**
 - **How: Engage engineering, scientific, industry and entrepreneurial community in T2 & innovation discussions.**
 - **How: Activities centered in facility 10 minutes from North Gate.**
 2. Educate scientists, engineers, & entrepreneurs about entrepreneurship, intrapreneurship, working with industry, and creative thinking.
 - **How: Regular training on design thinking, innovation practices, entrepreneurship, and more. Ideas welcome.**
 - **How: Provide mentorship and access to mentors to entrepreneurs and licensees.**
 3. Ease process of industry collaborating with scientists and engineers – TTOs specifically suggested off-campus offices.
 - **How: TTOs will have shared off-post office and meeting spaces for technical interchange meetings and more.**
 4. Connect entrepreneurial and innovation initiatives and resources to T2 activities at APG.
 - **How: Facilitate collaboration and interaction between resources, establish and manage Tech Commercialization Task Force, promote T2 throughout region and Maryland.**



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DefTech Metrics

- New licenses of Army technology by startups and Maryland companies
- Cooperative R&D agreements between TTOs and industry
- Well-attended events that engage Army workforce and industry
- An innovative Army workforce supporting the Warfighter



How We Are Doing This?

- Physical space & materials: In-kind support from Harford County Office of Economic Development
- Role of MD DefTech lead: Designed by OMFA in partnership with APG TTOs (MOUs executed with CERDEC, ARL, and ECBC); Advisory Board created with industry, government and academia representation.
- Funding sources: DoD Office of Economic Adjustment (OEA)
- Remaining questions:
 - Assigned days for each TTO and how facility is managed
 - Comms pathway to APG workforce

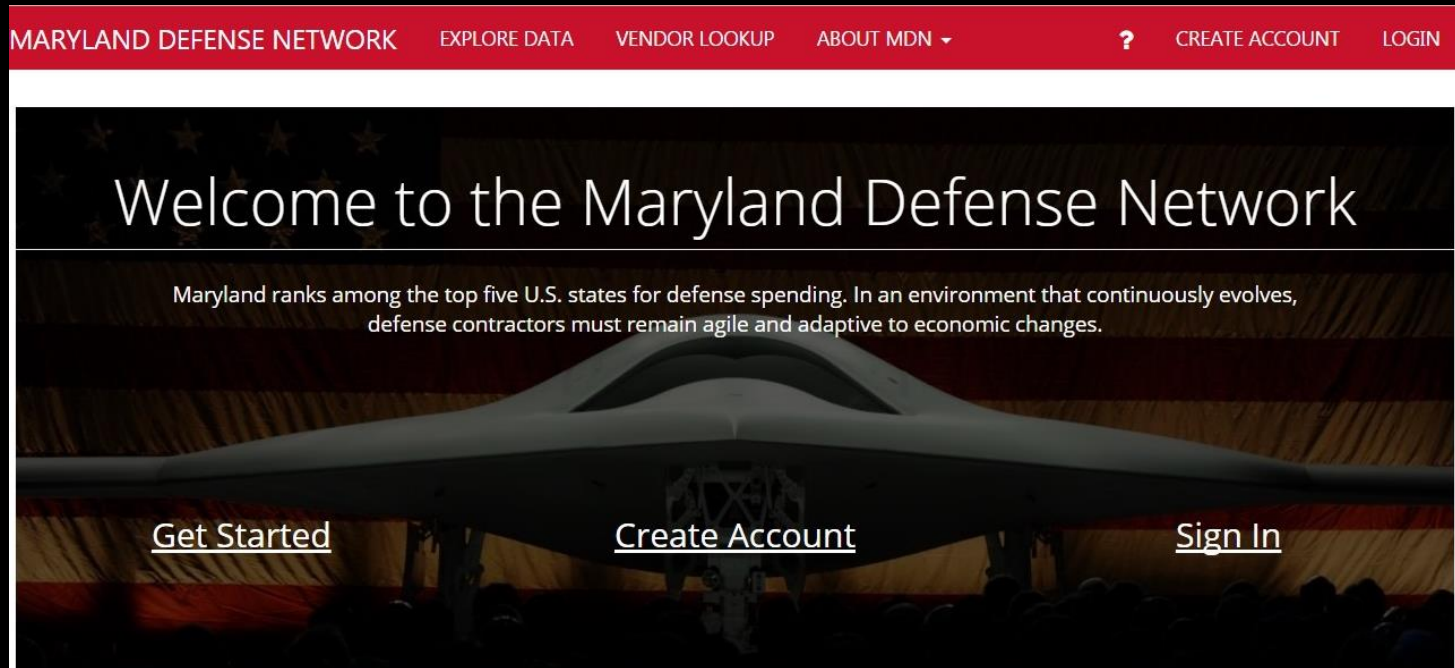


Leveraging Labs

- CRADAS
- CITE: Centers for Industrial and Technical Excellence (CITE)
 - 10 U.S. Code § 2474
 - Authorizes Center director to enter into P3 to foster collaboration on work related to core competencies including maintenance and repair
 - Allows industry to use facilities or equipment when not utilized by Center
 - Objectives include:
 - Maximizing utilization capacity of Center
 - Reducing or eliminating cost of ownership of the Center by DoD
 - Reduce costs of product to DoD
 - Leverage private sector investment
 - Foster cooperation between DoD and industry
 - Economic impact driver
 - 3 CITE designations in Maryland (APG, Indian Head, Pax)
 - Business attraction=job creation → skilled workforce attraction and mission capability retention



Maryland Defense Network Tool



MarylandDefenseNetwork.org



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Maryland Defense Network

- Track companies with DoD contracts for similar goods and services.
- Follow contract activity within DoD defense agencies and your supply chain.
- Identify new opportunities through the Expiring Contracts report.
- Find subcontracting partners via the Explore Data tool.
- Enhance your vendor profile to increase your visibility within Maryland's Defense Network.



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