



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



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



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.**



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



MARYLAND DEFENSE NETWORK EXPLORE DATA VENDOR LOOKUP ABOUT MDN  ? CREATE ACCOUNT LOGIN

Welcome to the Maryland Defense Network

Maryland ranks among the top five U.S. states for defense spending. In an environment that continuously evolves, defense contractors must remain agile and adaptive to economic changes.

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MarylandDefenseNetwork.org



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.



Contacts

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