

pittsburgh
 imagine what you can do here.®



DEFENSE & SECURITY

Regional Strengths

- Talent pipeline includes some 4,000 technology and engineering graduates annually
- A safe, strategic location with low risk of natural disasters and redundant business and utility services, located within 500 miles of nearly half the U.S. and Canadian populations
- Just 200 miles from Washington, DC, the Pittsburgh region, with a century long tradition as a center of manufacturing excellence, is a cost-effective alternative location for companies in the defense & security supply chain
- Carnegie Mellon University's CERT Coordination Center is a U.S. Dept. of Defense (DoD)-sponsored R&D institution at the frontline of computer security
- Bechtel Marine Propulsion Corporation (BMPC) operates the Bettis Atomic Power Laboratory for the Department of Energy, advising the navy on nuclear propulsion technology
- The Carnegie Mellon University Robotics Institute (CMRI) is the North American epicenter of multidisciplinary, next-generation robotics research, with one of the few Robotics Ph.D. programs worldwide; home to the National Robotics Engineering Center that develops and tests robotic systems and vehicles for industrial and government clients

In Good Company Defense & Security companies already growing here include ...

- II-VI, Inc.
- Alcoa, Inc.
- BAE Systems
- Bechtel Corporation
- BitArmor Systems, Inc.
- Converteam
- Dlubak Corporation
- L-3 Brashear
- Mine Safety Appliances Company
- Progeny Systems Corporation
- QinetiQ North America

"As a global industry leader, Alcoa heavily relies on research and development to keep its pipeline full of next-generation products and processes. Being founded in Pittsburgh, Alcoa recognizes that having its global R&D center located in the region is a natural fit. The Alcoa Technical Center is the largest light metals research facility in the world, and is among a community of more than 120 corporate and federal R&D centers located in the Pittsburgh region."

- Jimmy Williams Jr., Ph.D., Director of Product Strategy and Applications-Military and Defense Sector, Alcoa Technical Center

Innovation

- **National Center for Defense Robotics (NCDR)** – a DoD-funded initiative of The Technology Collaborative and the nation's only ground robotics-focused center; funds and develops military defense robotics.
- **DSN Innovations** – a federally funded non-profit that bolsters U.S. manufacturing through improved manufacturing supplier network coordination, agility and efficiency.
- **National Center for Defense Manufacturing and Machining (NCDMM)** – produces innovative solutions that address and support DoD and U.S. Warfighter manufacturing and machining needs.
- **Penn State Electro Optics Center (EOC)** – a Penn State/Office of Naval Research collaboration providing electro-optics for national security and engaging in numerous academic, industrial and government partnerships.

information provided by:

pittsburgh regional alliance

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