

FAIRFAX COUNTY, VIRGINIA

Industry Profile: Space

The Washington, D.C., region, with Fairfax County as the major economic driver, has emerged as a hub for space-related engineering, R&D, technical assistance, and services. This fact sheet provides a snapshot of the U.S. space market, operating environment, and partners located in Fairfax County and the D.C. region.

\$546 BILLION+ GLOBAL SPACE INDUSTRY IS EXPECTED TO REACH \$1 TRILLION BY 2040

U.S. SPACE INDUSTRY BY THE NUMBERS



\$130 B

U.S. SPACE INDUSTRY



#1

IN THE WORLD FOR BOTH GOVERNMENT AND PRIVATE-SECTOR SPACE INVESTMENT



366 K

EMPLOYEES

SOURCES: U.S. BUREAU OF ECONOMIC ANALYSIS, SPACE FOUNDATION

WASHINGTON, D.C., REGION SPACE INDUSTRY



THE WASHINGTON, D.C., REGION IS HOME TO THE GODDARD SPACE FLIGHT CENTER, WHICH FOCUSES ON UNMANNED MISSIONS RELATED TO THE EARTH, SOLAR SYSTEM, AND UNIVERSE VIA OBSERVATIONS FROM SPACE.



THE U.S. AIR FORCE AND U.S. SPACE FORCE ARE HEADQUARTERED IN THE WASHINGTON, D.C., REGION.

SPACE INDUSTRY FOCUS AREAS



DATA/ ANALYTICS



ENGINEERING/ DESIGN (SATELLITE/LAUNCH VEHICLE/ SOFTWARE/SYSTEMS)



EXPLORATION (ROBOTICS/REMOTE OBSERVATION)



GOVERNMENT/ POLICY/ REGULATION



MISSION SUPPORT (GROUND/LAUNCH)



SATELLITE/ SPACE-BASED COMMUNICATIONS



SECURITY/ CYBERSECURITY

WORKFORCE

THE WASHINGTON, D.C., REGION HAS A DIVERSE AND TECHNICALLY CAPABLE STEM WORKFORCE.



3.4 M

LABOR FORCE



18 K+

SPACE INDUSTRY-RELATED DEGREES



#2

COMPUTER AND MATHEMATICAL EMPLOYMENT



#3

AEROSPACE AND ENGINEERING EMPLOYMENT

ASSOCIATIONS, INSTITUTES AND PROFESSIONAL ORGANIZATIONS (SELECTED)

- Aerospace Industries Association
- Center for Space Policy and Strategy
- Coalition for Deep Space Exploration
- George Washington University Space Policy Institute
- IEEE - USA
- Satellite Industry Association
- Space & Satellites Professionals International - Mid-Atlantic Chapter
- Space Force Association - D.C. Chapter
- Space Foundation
- Washington Space Business Roundtable

HIGHER EDUCATION PARTNERS (SELECTED)

- AMERICAN UNIVERSITY
- GALLAUDET UNIVERSITY
- GEORGE MASON UNIVERSITY
- THE GEORGE WASHINGTON UNIVERSITY
- HOWARD UNIVERSITY
- JOHNS HOPKINS UNIVERSITY
- UNIVERSITY OF MARYLAND - COLLEGE PARK

NASA District of Columbia Space Grant Consortium is composed of 10 D.C. area higher education institutions that provide opportunities for students of all ages (K-higher ed) to learn more about space industry careers.



RECENT COMPANY EXPANSIONS/RELOCATIONS - FAIRFAX COUNTY, VA

- | | |
|----------------------|-----------------------------|
| Aireon | Peraton |
| BlackSky ● | QinetiQ (Avantus Federal) ● |
| Blue Origin | Satelles ● |
| Eclipse Technologies | SCOUTSpace ● |
| HawkEye360 ● | SpaceLink |
| Intelsat ● | SpiderOak ● |
| Omnispace ● | Spire Global ● |
| OneWeb ● | TruWeather Solutions ● |
| Parsons | V2X |

KEY:

- Foreign-owned
- Recent financing event

SOURCES: PITCHBOOK, FCEDA

MORE INFO: ANDREW MCCUE

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FAIRFAX COUNTY
ECONOMIC DEVELOPMENT AUTHORITY

WASHINGTON, D.C., REGION SPACE INDUSTRY CLUSTER – KEY RESOURCES

CIVIL SPACE AGENCIES

- Federal Aviation Administration (FAA) – Office of Commercial Space Transportation
- Goddard Space Flight Center
- National Aeronautics and Space Administration (NASA)
- National Oceanic and Atmospheric Administration (NOAA)
- Department of Energy (DOE)

DEFENSE / INTELLIGENCE AGENCIES

- Defense Intelligence Agency
- Department of Defense
- National Geospatial-Intelligence Agency
- National Reconnaissance Office (NRO)
- Space Development Agency
- U.S. Space Force

POLICY / REGULATORY AGENCIES

- Department of Commerce – Office of Space Commerce
- Federal Communications Commission
- National Space Council
- Office of Science and Technology
- State Department

INTERNATIONAL PARTNERS

- Canadian Space Agency
- European Space Agency
- Japan Aerospace Exploration Agency
- UK Space Agency
- U.S. Commercial Service

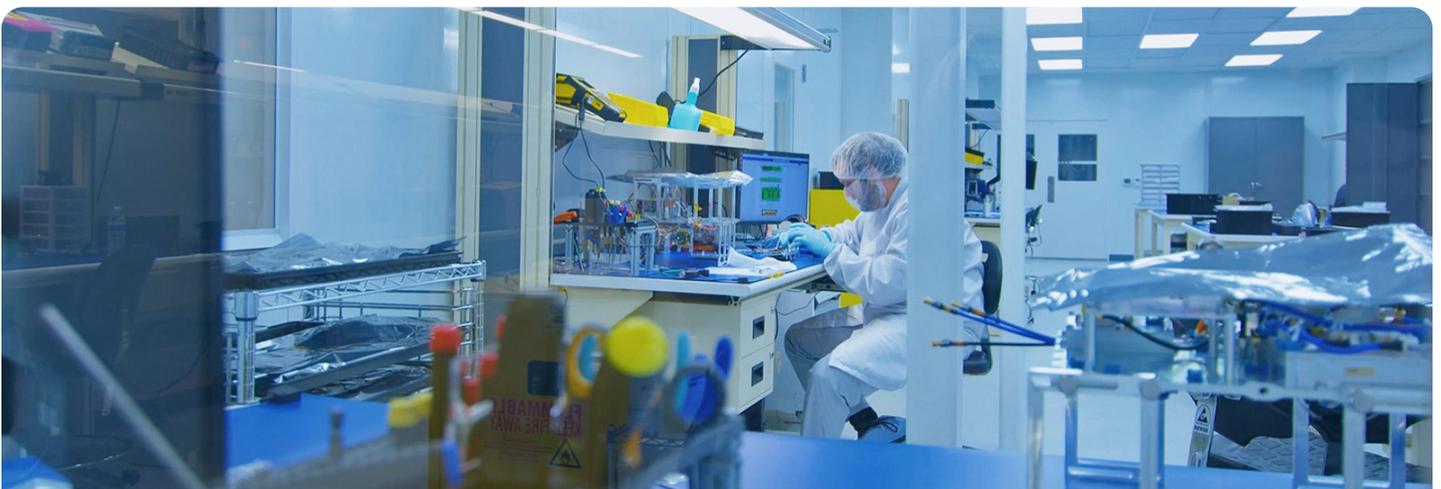
EDUCATION / TRAINING

- American University
- Gallaudet University
- George Mason University
- The George Washington University
- Howard University
- Johns Hopkins University
- Montgomery College
- NASA District of Columbia Space Grant Consortium
- Northern Virginia Community College
- Smithsonian National Air and Space Museum (D.C. and Udvar-Hazy Center)
- University of Maryland – College Park

RESEARCH AND DEVELOPMENT

- DARPA
- Johns Hopkins University – Applied Physics Laboratory
- NASA Innovative Advanced Concepts

SPACE TECHNOLOGY COMPANY HIGHLIGHT



HawkEye 360 • HQ: Herndon, VA

Space Technology: Small Satellite Constellation/RF Spectrum-Based Geoanalytics

HawkEye360 recently opened a manufacturing facility with a cleanroom in the Town of Herndon, within Fairfax County. Here, HawkEye360 staff assemble small satellites that will sense/monitor and characterize RF spectrum emissions across the globe—providing new insight into human activities on Earth.