FAIRFAX COUNTY, VIRGINIA
Industry Profile: Defense and Aerospace

The U.S. is a leader in technological innovation and is the largest defense-spending nation in the world. Proximity to the Pentagon, military installations and major defense and aerospace primes and suppliers creates unique opportunities for businesses to develop partnerships, share ideas and win contracts. Fairfax County’s aerospace and defense industry includes firms engaged in activities related to defense/national security, commercial and civil aviation and space systems.

U.S. DEFENSE AND AEROSPACE INDUSTRY BY THE NUMBERS

**DEFENSE SPENDING NATION IN THE WORLD**
(Source: 2020 DOD INDUSTRIAL CAPABILITIES REPORT)

**TOP IMPORT COUNTRIES: FRANCE, CANADA, UK, GERMANY AND JAPAN**
(Source: US ITA, TRADE.GOV)

$892B
U.S. DEFENSE AND AEROSPACE INDUSTRY REVENUE
(Source: AIA, 2022)

$414B+
DEPARTMENT OF DEFENSE CONTRACT AWARDS (FY22)
(UNCLASSIFIED OBLIGATIONS)
(Source: USASPENDING.GOV)

$48M+
SMALL BUSINESS AWARDS IN AEROSPACE AND DEFENSE INNOVATION (2021)
(AIR FORCE • NAVY • NASA)
(Source: SBIR.GOV)

$3.3B
FY22 FEDERAL R&D CONTRACTS – DEFENSE AND AEROSPACE (UNCLASSIFIED)
(Source: USASPENDING.GOV)

DEFENSE AND AEROSPACE IN FAIRFAX COUNTY

$16.2B
FY22 DEPARTMENT OF DEFENSE FEDERAL CONTRACT AWARDS
(Source: USASPENDING.GOV)

TOP 5
DEPARTMENT OF DEFENSE CONTRACTORS ALL HAVE OPERATIONS IN FAIRFAX COUNTY
(Source: DOD/CRS)

INDUSTRY FOCUS AREAS

- AIR SYSTEMS SUPPORT
- COMMUNICATIONS/FMC3
- CYBERSECURITY
- UNMANNED SYSTEMS (UAS)
- HEADQUARTERS OPERATIONS
- SENSORS
- SOFTWARE ENGINEERING
- RADAR AND ELECTRONIC WARFARE
- SPACE (SATELLITES/GROUND SYSTEMS)
DEFENSE AND AEROSPACE-RELATED WORKFORCE
Northern Virginia (NOVA) has the depth, breadth, and concentration of diverse talent that companies require, fed by a pipeline of top talent.

184,000+
D&A-RELATED WORKFORCE - WASHINGTON, D.C., MSA

#4
TECH TALENT (WASHINGTON, D.C., REGION)
(CBRE, 2022)

18K+
COMPUTER SCIENCE, MATH AND ENGINEERING DEGREES ANNUALLY
(JOBSSEQ)

#1
MOST WORKING-AGE VETERANS (WASHINGTON, D.C., MSA)

★★★★ CLEARED TALENT AT ALL LEVELS ★★★★

DEFENSE- AND AEROSPACE-RELATED OCCUPATIONS, WASHINGTON, D.C., REGION

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Number of Workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science</td>
<td></td>
</tr>
<tr>
<td>Software Developers</td>
<td>63,360</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>19,940</td>
</tr>
<tr>
<td>Computer and Information Systems Manager</td>
<td>17,620</td>
</tr>
<tr>
<td>Information Security Analyst</td>
<td>15,690</td>
</tr>
<tr>
<td>Network and Computer Systems Adminstrator</td>
<td>13,470</td>
</tr>
<tr>
<td>Software Quality Assurance Analysts and Testers</td>
<td>11,600</td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td>9,330</td>
</tr>
<tr>
<td>Computer and Information Research Scientists</td>
<td>2,250</td>
</tr>
<tr>
<td>Engineering and Technical</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineers</td>
<td>5,330</td>
</tr>
<tr>
<td>Computer Hardware Engineers</td>
<td>4,230</td>
</tr>
<tr>
<td>Electrical Engineers</td>
<td>4,220</td>
</tr>
<tr>
<td>Electronic Engineers</td>
<td>3,750</td>
</tr>
<tr>
<td>Electrical and Electronics Engineering Technicians</td>
<td>2,620</td>
</tr>
<tr>
<td>Aerospace Engineers</td>
<td>2,770</td>
</tr>
<tr>
<td>Engineers, All Other</td>
<td>8,040</td>
</tr>
</tbody>
</table>

SOURCE: BLS/OCCUPATIONAL EMPLOYMENT STATISTICS

KEY OCCUPATION SPECIALIZATIONS: Cybersecurity, Engineering, Information Technology, Space Systems, Management, Sales, Contract Administration

VIRGINIA DEFENSE AND AEROSPACE ASSETS

➤ MID- ATLANTIC SPACEPORT, WALLOPS ISLAND, VA — One of four sites nationally licensed by the FAA to perform orbital launches (vaspace.org)

➤ VIRGINIA UNMANNED SYSTEMS CENTER AT VIRGINIA INNOVATION PARTNERSHIP CORPORATION (VIPC) — Source for information/funding opportunities for UxS in Virginia (virginiaipc.org/unmanned)

➤ VIRGINIA SPACE GRANT CONSORTIUM (VSGC) — Coalition of five Virginia colleges and universities, NASA, the Virginia Innovation Partnership Corporation and other institutions involved in aerospace education and R&D (vsgc.odu.edu/about)

➤ VIRGINIA INNOVATION PARTNERSHIP CORPORATION — Makes investments in Virginia high-tech companies in various industries, including aerospace and defense (virginiaipc.org/vvp)

DEFENSE AND AEROSPACE COMPANIES IN FAIRFAX COUNTY

Companies in **bold** are headquartered in Fairfax County

**DOMESTIC FIRMS**

- The Aerospace Corporation
- Aireon
- Blue Origin
- Booz Allen Hamilton
- CACI International
- Chenega
- Constellation West
- Favor Tech Consulting
- General Dynamics
- Epirus
- International Launch Services
- Iridium
- KIHOMAC

- L3Harris
- Leidos
- Lockheed Martin
- MAG Aerospace
- ManTech International
- The MITRE Corporation
- Northrop Grumman
- Peraton
- Raytheon
- SAIC
- Scout
- Trusted Space

**INTERNATIONAL FIRMS**

- Airbus Americas
- BAE Systems
- Elbit Systems of America
- Explora Security A&E
- GetSAT
- IAI North America
- Inmarsat
- Intelsat
- Korea Aerospace Industries
- NovelSat
- OneWeb

- Rheinmetall
- Rolls Royce North America
- ServiceTec International
- SES Government Solutions
- SpaceLink

SCAN THE QR CODE TO LEARN MORE ABOUT AIR AND SPACE INNOVATION IN OUR REGION

April 2023