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**

- **#1** Defense spending nation in the world
  
  (Source: 2020 DOD Industrial Capabilities Report)

- **$139B+** Exports

- **$63B+** Imports

- **$952B** U.S. defense and aerospace industry revenue
  
  (Source: AIA, 2023)

- **$466B** Department of Defense contract obligations (FY23)
  
  (Source: USASpending.gov)

**DEFENSE AND AEROSPACE IN FAIRFAX COUNTY**

- **$17.3B** FY23 Department of Defense Federal Contract Awards

  Top 3: Army • Air Force • Navy
  
  (Source: USAspending.gov)

- **4 of Top 5** Defense contractors have operations in Fairfax County

  (Source: DOD/CRS)

- **$71M+** Small business awards in aerospace and defense innovation (2023)

  Air Force • Navy • NASA
  
  (Source: SBIR.gov)

- **$3.9B** FY23 Federal R&D contracts – Defense and Aerospace (unclassified)

  (Source: USAspending.gov)

**INDUSTRY FOCUS AREAS**

- Air systems support
- Communications/FNC3
- Cybersecurity
- Unmanned systems (UXS)
- Headquarters operations
- Radar and electronic warfare
- Sensors
- Software/systems engineering
- Space (satellites/ground systems)
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>72,010</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>17,830</td>
</tr>
<tr>
<td>Computer and Information Systems Managers</td>
<td>18,760</td>
</tr>
<tr>
<td>Information Security Analysts</td>
<td>16,630</td>
</tr>
<tr>
<td>Network and Computer Systems Administrator</td>
<td>12,040</td>
</tr>
<tr>
<td>Software Quality Assurance Analysts and Testers</td>
<td>8,100</td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td>10,180</td>
</tr>
<tr>
<td>Computer and Information Research Scientists</td>
<td>2,240</td>
</tr>
<tr>
<td>Engineering and Technical</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineers</td>
<td>4,290</td>
</tr>
<tr>
<td>Computer Hardware Engineers</td>
<td>2,970</td>
</tr>
<tr>
<td>Electrical Engineers</td>
<td>3,850</td>
</tr>
<tr>
<td>Electronics Engineers</td>
<td>3,030</td>
</tr>
<tr>
<td>Electrical and Electronics Engineering Technicians</td>
<td>1,950</td>
</tr>
<tr>
<td>Aerospace Engineers</td>
<td>2,680</td>
</tr>
<tr>
<td>Engineers, All Other</td>
<td>8,190</td>
</tr>
</tbody>
</table>

SOURCE: BLS/OCCUPATIONAL EMPLOYMENT SURVEY, MAY 2023

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

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
General Dynamics
Epirus
International Launch Services
Iridium
KHIOMAC
L3Harris
Leidos
Lockheed Martin
MAG Aerospace
ManTech International
The MITRE Corporation
Northrop Grumman
Peraton
Raytheon
SAIC
Scout
Trident Systems
Trusted Space
V2X

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

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)

*** CLEARED TALENT AT ALL LEVELS ***