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)

IMPORTS
$49B

EXPORTS
$100B

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

$874B
U.S. DEFENSE AND AEROSPACE INDUSTRY REVENUE
(SOURCE: AIA, 2021)

$365B
DEPARTMENT OF DEFENSE CONTRACT AWARDS (FY21)
(OBLIGATIONS)
(SOURCE: USASPENDING.GOV)

DEFENSE AND AEROSPACE IN FAIRFAX COUNTY

$15.5B
FY21 DEPARTMENT OF DEFENSE FEDERAL CONTRACT AWARDS
TOP 3:
ARMY • AIR FORCE • NAVY
(SOURCE: USASPENDING.GOV)

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

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

$2.9B
FY21 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 ENGINEERING
- SPACE (SAT话语TILES/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

#3
TECH TALENT (WASHINGTON, D.C., REGION) (CBRE, 2021)

17K+
COMPUTER SCIENCE, MATH AND ENGINEERING DEGREES ANNUALLY (JOBSEQ)

#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 Administrator</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)

➤ CIT – VIRGINIA UNMANNED SYSTEMS CENTER — Source for information/funding opportunities for UxS in Virginia (cit.org/unmanned-systems.html)

➤ ZERO GRAVITY, ZERO TAX — State tax incentive for companies to locate and headquarter space flight launch and training business operations in Virginia

➤ UNMANNED VEHICLES INCENTIVES AND TAX CREDITS — Contact the Fairfax County Economic Development Authority for more information

DEFENSE AND AEROSPACE COMPANIES IN FAIRFAX COUNTY
Companies in **bold** are headquartered in Fairfax County

**DOMESTIC FIRMS**
The Aerospace Corporation  
Artis  
BAE Systems  
Bechtel  
Booz Allen Hamilton  
CACI International  
Chenega  
Constellation West  
Favor TechConsulting  
General Dynamics  
Epirus  
International Launch Services  
Iridium  
KIHOMAC

**INTERNATIONAL FIRMS**
Airbus Americas  
Elbit Systems of America  
Explora Security A&E  
IAI North America  
Inmarsat  
Intelsat  
Korea Aerospace Industries  
OneWeb  
Rheinmetall  
Rolls Royce North America  
ServicePower  
ServiceTec International  
SES Government Solutions  
SpaceLink

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

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