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 $66B

EXPORTS $139B

TOP IMPORT COUNTRIES: FRANCE, CANADA, JAPAN, UK, GERMANY

(SOURCE: U.S. CENSUS BUREAU, 2019)

$909B

U.S. DEFENSE AND AEROSPACE INDUSTRY REVENUE

(SOURCE: AIA, 2020)

$399B

U.S. DEFENSE AND AEROSPACE SUPPLY CHAIN REVENUE (AEROSPACE AND DEFENSE SECTORS)

(SOURCE: AIA, 2020)

DEFENSE AND AEROSPACE IN FAIRFAX COUNTY

$15.3B

FY20 DEPARTMENT OF DEFENSE FEDERAL CONTRACT AWARDS

TOP 3: ARMY • AIR FORCE • NAVY

7

FORTUNE 500 DEFENSE AND AEROSPACE FIRMS HAVE OPERATIONS IN FAIRFAX COUNTY

$55M+

SMALL BUSINESS AWARDS IN AEROSPACE AND DEFENSE INNOVATION (2020)

AIR FORCE • NAVY • NASA

(SOURCE: SBIR.GOV)

$2.7B

FY20 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 (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 and Software Quality Assurance</td>
<td>75,910</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>22,930</td>
</tr>
<tr>
<td>Network and Computer Systems Administrator</td>
<td>18,890</td>
</tr>
<tr>
<td>Computer and Information Systems Manager</td>
<td>19,130</td>
</tr>
<tr>
<td>Information Security Analyst*</td>
<td>15,750</td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td>9,270</td>
</tr>
<tr>
<td>Computer and Information Research Scientists*</td>
<td>3,470</td>
</tr>
<tr>
<td>Engineering &amp; Technical</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineers</td>
<td>5,150</td>
</tr>
<tr>
<td>Electrical Engineers</td>
<td>5,120</td>
</tr>
<tr>
<td>Electronic Engineers</td>
<td>3,970</td>
</tr>
<tr>
<td>Electrical and Electronics Engineering Technicians</td>
<td>3,300</td>
</tr>
<tr>
<td>Aerospace Engineers</td>
<td>2,310</td>
</tr>
</tbody>
</table>

*Most workers in any United States metro region

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

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.

199,000+ D&A-RELATED WORKFORCE - WASHINGTON, D.C., MSA

#2 TECH TALENT (WASHINGTON, D.C., REGION) (CBRE, 2020)

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

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

★★★ CLEARED TALENT AT ALL LEVELS ★★★

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
- DXC Technology
- Favor TechConsulting
- General Dynamics
- Epirus
- International Launch Services

INTERNATIONAL FIRMS

- KIHOMAC
- L3Harris
- Leidos
- Lockheed Martin
- MAC Aerospace
- ManTech International
- The MITRE Corporation
- Northrop Grumman
- Peraton
- Raytheon
- SAIC
- Trusted Space
- VSE Corporation

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
- Service Power
- ServiceTec International
- SES Government Solutions
- SpaceLink

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

July 2021