

Aerospace, Defense, & Government Services Market Pulse

Winter 2022

## **Monument Capital Partners**



### **ABOUT US**

Monument Capital Partners is a leading M&A and financial advisor to aerospace, defense, and government services and technology firms with specialized domain expertise in the intelligence, cyber, C4ISR, defense electronics, autonomous systems, and emerging technologies markets. In addition to completing more than 60 M&A transactions in the Federal sector, our team has decades of executive-level, hands-on experience in the industry — a key differentiator that leads to success and exceptional results for our clients.

#### **CORE SERVICES**



# MERGERS & ACQUISITIONS

- Sell-Side M&A
- Buy-Side M&A
- Management Buyouts
- Divestitures



# CORPORATE FINANCE

- Recapitalizations
- Restructurings
- Common and Preferred Equity
- Minority Equity Investments



# FINANCIAL & STRATEGIC ADVISORY

- Capital Transaction Advisory
- Independent Corporate Valuations
- Strategic Alternatives Assessments
- Growth Strategy



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Securities-related transactions are executed by an unaffiliated entity, Burch & Company, Inc

Transactions represent deals the senior investment bankers at Monument Capital Partners have completed, including with previous employers



## **Target**



Buyer



11/29/21
Announced Date

Defense **Sector** 













SOF and IC Operations
Support

**Multi-Int Analysis** 

Intelligence Operations
Training

Behavioral / Psychological Analysis

#### Description

Preting Consulting is a leader in the intelligence community focused on serving law enforcement and intelligence agencies including the Department of State, Department of Defense, Department of the Army, and Department of the Air Force. Preting provides tailored support across a myriad of unique operations, analysis, and training topics to successfully detect, identify, and disrupt terrorist operations, insider threats, and others targeting vital U.S. interests.

Preting's team boasts 150 employees, 90 percent of whom are veterans. 95% of team members hold TS / SCI clearance and directly support operations in areas such as multi-intelligence analysis, low-intensity conflict, homeland defense, force protection, counter-terrorism, show-of-force, special operations, and overseas contingency operations.

## Industry Deep Dive: Low Code / No Code Solutions to Enable the Workforce of the Future



As the pace of digital transformation within the Federal government continues to increase, information technology leaders are embracing an emerging trend in programing: Low Code / No Code ("LCNC") Applications. The Federal government, like commercial industry, is faced with a shortage of developers, computer engineers, and data scientists necessary to create and operate digital assets. Additionally, with the added productivity of automation, there is a decreased need for human input and manhours. These macro trends have placed an increased emphasis on LCNC platform capabilities and digital service providers are competing for market share in an industry that is expected to grow 25% year-over-year.

In order to stay competitive, organizations are leveraging LCNC platforms to capture significant upfront and maintenance cost savings and shrink technological delivery cycles from months to weeks or days. "Citizen Developers" with limited to no development experience are being utilized to create automated processes and programs to free up technical bandwidth for other strategic initiatives. By leveraging modular components and drag-and-drop features, LCNC applications enable teams of business users to create prototypes, build apps, and manage software to optimize productivity. Allowing end-users to assist in the development lifecycle improves the efficiencies of developing applications and increases the pace of digital transformation.

#### No Code



Visual Modeling Tools and Drag and Drop Features



To be Used by Non-technical "Citizen Developers"



**Limited Customization Options** 

#### Low Code



Option to Use Scripting



Marketed to Professional Developers or Technical Business Users



Created for Advanced Development Activities, i.e. Model Generation and Metadata-driven Development

### **Monument Capital Partners' Perspective**

Recent market activity, such as Washington Harbour Partners' investment in CollabraLink Technologies and Arlington Capital Partners Portfolio Company Octo's bolton acquisition of B3 Group, highlight an increased demand for human centered design technologies within private equity markets. Concurrently, strategic buyers, such as ICF with its acquisition of Creative Systems and Consulting, are bolstering end-to-end digital transformation capabilties to compete with in-house commercial consulting teams.

In 2021, Monument Capital Partners served as the exclusive advisor to cBEYONData, a leading provider of business process automation to the Federal government, in its sale to Bluestone Investment Partners. The sales process was highlighted by significant demand for deep domain expertise in Development, Security, and Operations ("DevSecOps") approaches. Technological solutions-oriented companies specializing in supporting mission-driven agencies and organizations have experienced an expansion of multiples with growth expected to continue in 2022 and beyond. MCP expects firms to continue to invest in LCNC capabilities to build cost saving applications, implement process automation technologies, and leverage Al-injected connectors.

#### Target

**B**GROUP



## Description



Buyer

B3 Group provides enterprise-level application modernization solutions by enabling low code / no code software and platforms





CollabraLink specializes in end-to-end digital transformation with a deep focus on low code automation platforms





Creative Systems and Consulting provides digital strategy, cloud, and infrastructure solutions focused on customer experience and data analytics



## National Defense Authorization Act Key Takeaways



Continued Support for Domestic Preferences and Supply Chain Security



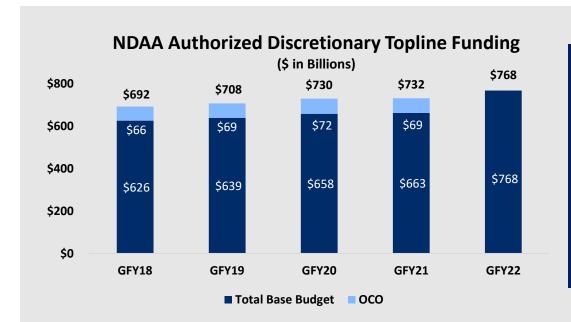
18.6% Increase in Space Development Funding



3.2% Increase in Discretionary RDT&E



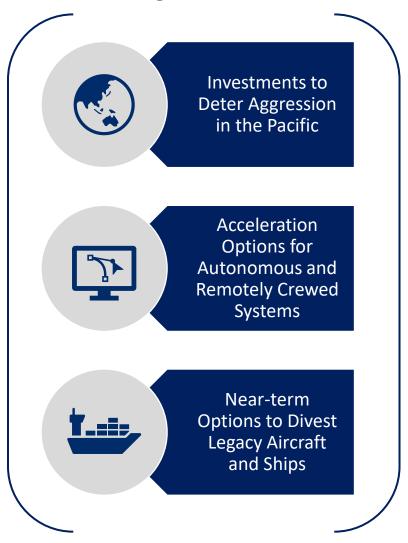
End of Off-Budget Overseas Contingency Operations ("OCO") Funding



## **Fast Facts**

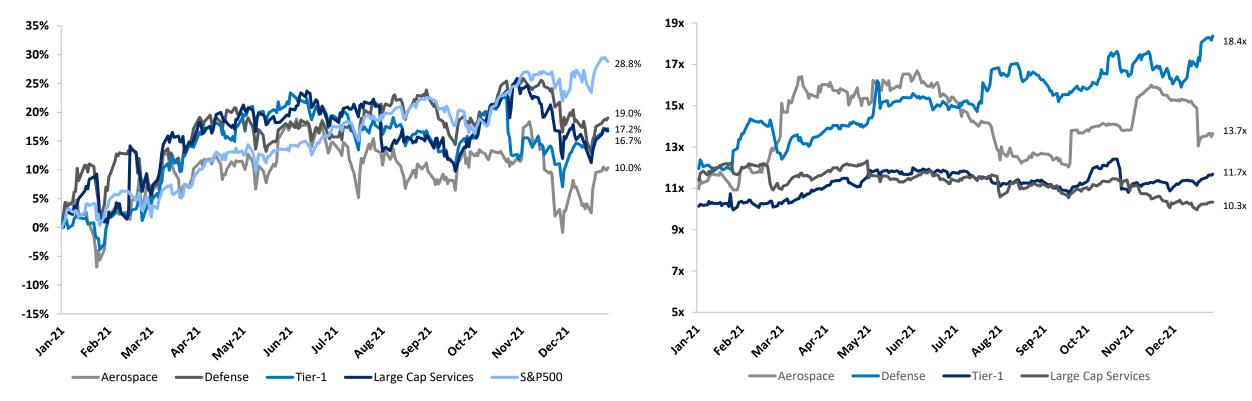
- ~5% increase from GFY21 NDAA funding
- \$25 billion more than Biden Administration requested budget
- \$7.1 billion in funding for Pacific deterrence
- 2.7% pay increase for service members

## "Cross Cutting" Investment Priorities



Source: DACIS, CSIS, Armed Services Committee, Space News

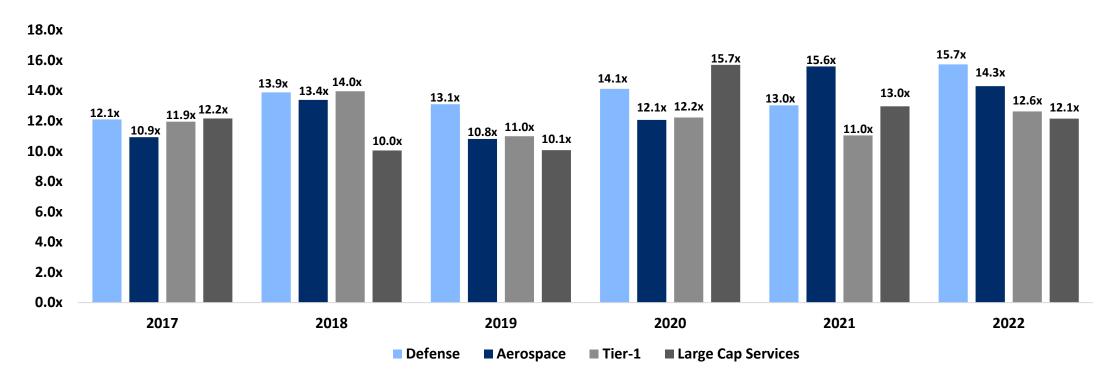




Supply chain concerns in the Aerospace, Defense, and Government sector hampered 4Q21 returns in an otherwise strong year for the industry. As compared to the S&P 500 (28.8%), which ended the year near record highs, the ADG sector saw muted returns. A significant decrease in 2021 sales expectations by Lockheed Martin Corp. weighed heavily on the Aerospace subsector (10%) which was already struggling to recover from a slowdown in global travel. Temporary difficulties in companies' ability to send and receive supplies created shortages, reduced inventories, and negatively impacted profits in the Defense (19%) and Tier-1 (17.2%) subsectors towards the end of the year. The combination of client fixed costs and falling revenue expectations dampened Large-Cap Services returns (16.7%) towards the end of the year.

As the broader market shifts to a risk-off, value-based approach, the Aerospace, Defense, and Government sector is poised for growth in 2022. Federal spending is expected to remain strong in the short- to medium-term as geopolitical tensions continue to evolve and the government embarks on broad modernization programs. Additionally, inflation escalation clauses in many defense contracts and low debt ratios in the sector will provide protection in the face of high inflation and a rising rate environment. Risks related to a shift in spending priorities from defense to social programs remain low as national security issues continue to remain prevalent.





EBITDA Multiples in the Aerospace, Defense, and Government Services sector remain above historical averages but experienced a decline in 4Q21 due to supply chain concerns and increased inflation uncertainty. In 2022, Defense Multiples are expected to expand with normalized multiples increasing to 15.7x on the back of consistently high valuations and slightly lower defense spending revenues. The Aerospace industry, which is still highly sensitive to Covid-19 related restrictions, has a slightly lower 2022 forward looking multiple of 14.3x. Tier-1 suppliers are experiencing continued synergies from an active M&A market focused on consolidating technological capabilities. The continued modernization of the military led by incumbent players has Tier-1 supplier multiples at 12.6x, climbing towards their 5-year highs in 2018. Large-cap services multiples are stabilizing at 12.1x after record multiples in 2020 due to increased demand for digital transformation services brought on by the pandemic.



**Target** 

Buyer





10/25/21 Announced

Defense **Sector** 

\$1.9 Billion

Purchase Price

8.39x

EV / EBITDA Prem

70%
Premium over
4Q Share Price

#### Description

PAE provides operational solutions and outsourced services for the United States government, other allied governments, international organizations, and companies. The Company operates through two segments, Global Mission Services and National Security Solutions. The Global Mission Services segment engages in logistics and stability operations The National Security Solutions segment offers counter-threat solutions, such as training support and counter-terrorism solutions.

Target

Buyer



Viasat: M

Aerospace

11/08/21 Announced

Sector

\$7.3 Billion
Purchase Price

1,500 Employees

19 Units
Combined
Satellite Fleet

#### Description

London-based Inmarsat Global Ltd is a provider of global mobile satellite communications services. It owns and operates a diverse global portfolio of mobile telecommunications satellite networks and holds a multilayered, global spectrum portfolio, covering L-band, Kaband, and S-band, enabling unparalleled breadth and diversity in the solutions it provides. Inmarsat's longestablished global distribution network includes the world's leading channel partners but also its own strong direct retail capabilities, enabling end-to-end customer service assurance.

Target

Buyer





12/10/21 **Announced**  Defense Engineering
Sector

\$350 Million

1,500

AE Industrial Partners

**Purchase Price** 

**Employees** 

Seller

Description

Gryphon Technologies is an engineering services firm specializing in systems integration, C4ISR, T&E, and integrated logistics with a focus on cyber security for control systems for all Navy platforms and systems. Gryphon provides a spectrum of services in support of system acquisition programs for national security. The company provides model-based systems engineering, predictive analytics, data / computational science, and cloud engineering solutions for the U.S. Navy, U.S. Air Force, DARPA, the Missile Defense Agency, and other Department of Defense agencies.

Source: CapIQ and DACIS



## 2021 Trends in M&A to Continue in 2022



Partnerships with technology firms and smaller players to acquire digital capabilties



Advancements in space services to drive expansion in aerospace investments

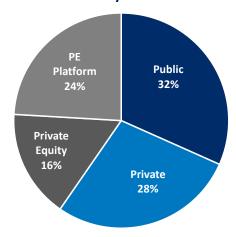


Joint domain interoperability objectives will drive demand for data processing



Cybersecurity concerns to remain top of mind as great power competition ramps-up

## 2021 ADG Buyer Breakdown



# \$100+ Billion

Total 2021
Transaction Value



Source: DACIS, MCP Research, PWC Market Research

## **Defense and Government Services Public Firms**



|  |                       |                      |              |            |                  |          | CY      | 2021   |             |          | CY      | 2022E  |             |
|--|-----------------------|----------------------|--------------|------------|------------------|----------|---------|--------|-------------|----------|---------|--------|-------------|
|  |                       | Price as of 12/31/21 | 52 Week High | Market Cap | Enterprise Value | Rev.     | EBITDA  | Margin | EV / EBITDA | Rev.     | EBITDA  | Margin | EV / EBITDA |
|  | Leidos                | \$88.90              | 78%          | \$12,476   | \$17,725         | \$13,772 | \$1,523 | 11.1%  | 11.6x       | \$14,484 | \$1,536 | 10.6%  | 11.5x       |
| Large-Cap Federal<br>Service Providers | Booz Allen Hamilton   | 84.79                | 85%          | 11,353     | 13,737           | 8,215    | 891     | 10.8%  | 15.4x       | 9,056    | 933     | 10.3%  | 14.7x       |
| ede<br>ide                             | CACI International    | 269.21               | 93%          | 6,280      | 8,260            | 6,137    | 653     | 10.6%  | 12.7x       | 6,514    | 710     | 10.9%  | 11.6x       |
| A S                                    | SAIC                  | 83.59                | 80%          | 4,760      | 7,419            | 7,383    | 676     | 9.2%   | 11.0x       | 7,611    | 677     | 8.9%   | 11.0x       |
| cal<br>e P                             | Parsons               | 33.65                | 75%          | 3,441      | 4,002            | 3,659    | 305     | 8.3%   | 13.1x       | 3,872    | 346     | 8.9%   | 11.6x       |
| ge-<br>vic                             | ManTech               | 72.93                | 72%          | 2,971      | 2,924            | 2,566    | 261     | 10.2%  | 11.2x       | 2,659    | 249     | 9.4%   | 11.7x       |
| Lar<br>Ser                             | ICF International     | 102.55               | 95%          | 1,936      | 2,337            | 1,570    | 160     | 10.2%  | 14.6x       | 1,655    | 166     | 10.0%  | 14.1x       |
|  | PAE                   | 9.93                 | 98%          | 925        | 1,872            | 2,913    | 204     | 7.0%   | 9.2x        | 2,911    | 194     | 6.7%   | 9.6x        |
|  | Median                |                      | 82%          | 4,100      | 5,710            | 4,898    | 479     | 10.2%  | 12.1x       | 5,193    | 511     | 9.7%   | 11.6x       |
| a v                                    | Boeing                | 201.32               | 72%          | 118,316    | 160,914          | 64,972   | 4,241   | 6.5%   | 37.9x       | 86,826   | 9,444   | 10.9%  | 17.0x       |
| 1 Prime<br>tractors                    | Raytheon Technologies | 86.06                | 93%          | 129,019    | 155,993          | 64,667   | 10,412  | 16.1%  | 15.0x       | 70,603   | 12,275  | 17.4%  | 12.7x       |
| I Pı<br>rac                            | Lockheed Martin       | 355.41               | 90%          | 98,017     | 106,964          | 67,024   | 10,375  | 15.5%  | 10.3x       | 66,410   | 10,259  | 15.4%  | 10.4x       |
| Tier 1                                 | Northrop Grumman      | 387.07               | 95%          | 61,365     | 71,051           | 36,058   | 6,134   | 17.0%  | 11.6x       | 37,146   | 5,168   | 13.9%  | 13.7x       |
| Ėΰ                                     | General Dynamics      | 208.47               | 99%          | 58,108     | 70,282           | 38,892   | 5,044   | 13.0%  | 13.9x       | 40,407   | 5,310   | 13.1%  | 13.2x       |
|  | BAE Systems           | 7.44                 | 91%          | 23,536     | 29,005           | 29,031   | 3,734   | 12.9%  | 7.8x        | 30,105   | 3,973   | 13.2%  | 7.3x        |
|  | Median                |                      | 92%          | 79,691     | 89,008           | 51,779   | 5,589   | 14.2%  | 12.8x       | 53,408   | 7,377   | 13.6%  | 13.0x       |
| જ ⊆                                    | Jacobs Engineering    | 139.23               | 93%          | 18,024     | 21,537           | 14,366   | 1,332   | 9.3%   | 16.2x       | 15,706   | 1,473   | 9.4%   | 14.6x       |
| Engineering & Construction             | AECOM                 | 77.35                | 99%          | 10,999     | 12,935           | 13,493   | 847     | 6.3%   | 15.3x       | 14,385   | 926     | 6.4%   | 14.0x       |
| ee:                                    | Tetra Tech            | 169.80               | 88%          | 9,150      | 9,447            | 2,610    | 305     | 11.7%  | 31.0x       | 2,727    | 342     | 12.5%  | 27.6x       |
| gin<br>nst                             | KBR                   | 47.62                | 100%         | 6,680      | 7,988            | 7,406    | 620     | 8.4%   | 12.9x       | 6,823    | 652     | 9.6%   | 12.2x       |
| 표 S                                    | Babcock International | 4.31                 | 82%          | 2,178      | 4,091            | 5,642    | 559     | 9.9%   | 7.3x        | 5,492    | 632     | 11.5%  | 6.5x        |
|  | Median                |                      | 93%          | 9,150      | 9,447            | 7,406    | 620     | 9.3%   | 15.3x       | 6,823    | 652     | 9.6%   | 14.0x       |
| જ                                      | L3Harris              | 213.24               | 87%          | 41,843     | 48,685           | 17,938   | 3,796   | 21.2%  | 12.8x       | 18,192   | 4,006   | 22.0%  | 12.2x       |
| Systems<br>ics                         | Teledyne Technologies | 436.89               | 94%          | 20,383     | 24,435           | 4,599    | 1,019   | 22.2%  | 24.0x       | 5,492    | 1,333   | 24.3%  | 18.3x       |
| ste                                    | Mercury Systems       | 55.06                | 62%          | 3,119      | 3,310            | 955      | 191     | 20.0%  | 17.3x       | 1,070    | 237     | 22.2%  | 13.9x       |
| S S                                    | Viasat                | 44.54                | 65%          | 3,271      | 5,595            | 2,677    | 614     | 22.9%  | 9.1x        | 3,050    | 667     | 21.9%  | 8.4x        |
| efense<br>lectroni                     | Kratos Defense        | 19.40                | 57%          | 2,405      | 2,435            | 809      | 82      | 10.2%  | 29.6x       | 925      | 99      | 10.7%  | 24.6x       |
| efe<br>ect                             | Ultra Electronics     | 43.06                | 93%          | 3,070      | 3,158            | 1,184    | 209     | 17.7%  | 15.1x       | 1,239    | 224     | 18.1%  | 14.1x       |
| ם ה                                    | AeroVironment         | 62.03                | 43%          | 1,528      | 1,638            | 467      | 67      | 14.4%  | 24.4x       | 488      | 74      | 15.2%  | 22.1x       |
|  | Median                |                      | 65%          | \$3,119    | \$3,310          | \$1,184  | \$209   | 20.0%  | 17.3x       | \$1,239  | \$237   | 21.9%  | 14.1x       |

## **Aerospace Public Firms**



|                        |                      |              |            |                  |          | CY      | 2021   |             |          | CY      | 2022E  |             |
|------------------------|----------------------|--------------|------------|------------------|----------|---------|--------|-------------|----------|---------|--------|-------------|
|                        | Price as of 12/31/21 | 52 Week High | Market Cap | Enterprise Value | Rev.     | EBITDA  | Margin | EV / EBITDA | Rev.     | EBITDA  | Margin | EV / EBITDA |
| Boeing                 | \$201.32             | 72%          | \$118,316  | \$160,914        | \$64,972 | \$4,241 | 6.5%   | 37.9x       | \$86,826 | \$9,444 | 10.9%  | 17.0x       |
| Airbus                 | 127.78               | 93%          | 100,418    | 98,470           | 59,215   | 8,162   | 13.8%  | 12.1x       | 68,531   | 9,751   | 14.2%  | 10.1x       |
| Safran                 | 122.44               | 84%          | 52,191     | 55,871           | 17,746   | 3,294   | 18.6%  | 17.0x       | 20,984   | 4,224   | 20.1%  | 13.2x       |
| General Dynamics       | 208.47               | 99%          | 58,108     | 70,282           | 38,892   | 5,044   | 13.0%  | 13.9x       | 40,407   | 5,310   | 13.1%  | 13.2x       |
| Dassault Aviation      | 108.04               | 90%          | 8,986      | 5,166            | 7,624    | 726     | 9.5%   | 7.1x        | 6,397    | 706     | 11.0%  | 7.3x        |
| CAE                    | 25.22                | 75%          | 7,988      | 10,008           | 2,676    | 538     | 20.1%  | 18.6x       | 3,175    | 725     | 22.8%  | 13.8x       |
| Bombardier             | 1.33                 | 74%          | 3,186      | 9,442            | 6,081    | 606     | 10.0%  | 15.6x       | 6,658    | 880     | 13.2%  | 10.7x       |
| Median                 |                      | 84%          | 52,191     | 55,871           | 17,746   | 3,294   | 13.0%  | 15.6x       | 20,984   | 4,224   | 13.2%  | 13.2x       |
| Hexcel                 | 51.80                | 80%          | 4,346      | 5,117            | 1,334    | 205     | 15.4%  | 24.9x       | 1,616    | 323     | 20.0%  | 15.9x       |
| Spirit Aerosystems     | 43.09                | 80%          | 4,526      | 6,780            | 3,934    | (109)   | -2.8%  | (62.1x)     | 5,098    | 450     | 8.8%   | 15.1x       |
| Triumph Group          | 18.53                | 76%          | 1,197      | 2,613            | 1,595    | 151     | 9.5%   | 17.3x       | 1,596    | 212     | 13.3%  | 12.4x       |
| Senior                 | 1.99                 | 79%          | 826        | 1,026            | 894      | 73      | 8.2%   | 14.0x       | 999      | 101     | 10.1%  | 10.2x       |
| Median                 |                      | 79%          | 2,771      | 3,865            | 1,464    | 112     | 8.8%   | 15.7x       | 1,606    | 267     | 11.7%  | 13.7x       |
| RBC Bearings           | 201.97               | 81%          | 5,781      | 4,475            | 731      | 193     | 26.4%  | 23.2x       | 1,340    | 405     | 30.2%  | 11.0x       |
| Meggitt                | 9.99                 | 87%          | 7,783      | 8,897            | 2,144    | 409     | 19.1%  | 21.7x       | 2,432    | 520     | 21.4%  | 17.1x       |
| Curtiss-Wright         | 138.67               | 99%          | 5,441      | 6,388            | 2,498    | 529     | 21.2%  | 12.1x       | 2,588    | 564     | 21.8%  | 11.3x       |
| Arconic                | 33.01                | 86%          | 3,515      | 4,906            | 7,457    | 719     | 9.6%   | 6.8x        | 8,519    | 853     | 10.0%  | 5.8x        |
| Moog                   | 80.97                | 88%          | 2,622      | 3,515            | 2,879    | 323     | 11.2%  | 10.9x       | 3,066    | 386     | 12.6%  | 9.1x        |
| Ducommun               | 46.77                | 72%          | 558        | 865              | 650      | 93      | 14.3%  | 9.3x        | 695      | 104     | 14.9%  | 8.3x        |
| Astronics              | 12.00                | 57%          | 378        | 552              | 445      | 8       | 1.9%   | 65.2x       | 547      | 54      | 9.8%   | 10.3x       |
| Heroux-Devtek          | 14.22                | 92%          | 509        | 624              | 440      | 70      | 16.0%  | 8.9x        | 467      | 74      | 15.8%  | 8.5x        |
| Median                 |                      | 86%          | 3,068      | 3,995            | 1,438    | 258     | 15.1%  | 11.5x       | 1,886    | 395     | 15.3%  | 9.7x        |
| TransDigm Group        | 636.28               | 92%          | 35,154     | 50,750           | 4,930    | 2,295   | 46.5%  | 22.1x       | 5,432    | 2,659   | 49.0%  | 19.1x       |
| HEICO                  | 144.22               | 95%          | 18,268     | 18,759           | 1,946    | 513     | 26.3%  | 36.6x       | 2,193    | 601     | 27.4%  | 31.2x       |
| Singapore Technologies | 2.79                 | 92%          | 8,684      | 9,955            | 5,637    | 749     | 13.3%  | 13.3x       | 6,073    | 787     | 13.0%  | 12.7x       |
| AAR Corp.              | 39.03                | 86%          | 1,369      | 1,490            | 1,757    | 136     | 7.7%   | 11.0x       | 1,888    | 189     | 10.0%  | 7.9x        |
| Median                 |                      | 92%          | \$13,476   | \$14,357         | \$3,438  | \$631   | 19.8%  | 17.7x       | \$3,812  | \$694   | 20.2%  | 15.9x       |

# **Aerospace Industry Transaction Activity**



| Announced  | Target Name   | Target Description   | Acquirer   | Buyer Type     |
|------------|---|--|--|----------------|
| 12/27/2021 | T53 Turboshaft Engine Product<br>Line                   | The Honeywell T53 Engine product line is used in the Bell UH-1H Huey, Huey II and AH-1H Cobra, as well as the commercially certified Kaman K-Max, Bell 204 and 205B helicopters.                 | Ozark Aeroworks LLC  | Strategic      |
| 12/21/2021 | UAM, LLC (Eve)  | Eve is a provider of UAM solutions spanning electric vertical takeoff and landing vehicle (eVTOL) design and production, service and support, fleet operations and urban air traffic management. | Zanite Acquisition Corp.   | Public         |
| 12/16/2021 | Crew Training International, Inc.                       | Crew Training International provides Crew Resource Management (flight team training) to commercial and military aircrews.  | Exchange Income Corp.  | Public         |
| 12/16/2021 | LCR Embedded Systems, Inc.                              | LCR Embedded Systems designs, develops, and manufactures rugged enclosures, backplanes, and fully integrated systems for the defense industry  | JLL Partners   | Private Equity |
| 12/14/2021 | Excell Battery Co.                                      | Vertical Aerospace is an engineering and aeronautical business developing electric Vertical Take-Off and Landing (eVTOL) aircraft.   | Ultralife Corporation  | Public         |
| 12/13/2021 | SolAero Technologies Corp.                              | SolAero Technologies Corp. is a manufacturer of highly efficient, radiation hard solar cells, Coverglass Interconnected Cells ("CICs"), and solar panels for space power applications.           | Rocket Lab USA, Inc.   | Public         |
| 12/13/2021 | TFI Aerospace Corp.                                     | TFI Aerospace is a manufacturer of high temperature, high stress male-threaded fasteners for aerospace, automotive, transportation and industrial equipment.                                     | TriMas Corp.   | Public         |
| 12/08/2021 | Arena Technologies, LLC                                 | Arena Technologies is a specialized provider of systems engineering and trusted advisory services to the space and national intelligence community and related customers.                        | Systems Planning and Analysis,<br>Inc. ("SPA") (Arlington Capital<br>Partners) | PE Platform    |
| 12/07/2021 | AirMap, Inc.  | AirMap, Inc. equips civilian governments, defense, security, and enterprise sectors with UAS Traffic Management ("UTM") and U-space solutions to manage drone operations.                        | DroneUp, LLC   | Strategic      |
| 12/01/2021 | Memsense, LLC   | Memsense, LLC is a provider of inertial test operations and manufactures inertial measurement units for private sector and U.S. federal government applications.                                 | Inertial labs, Inc.  | Strategic      |
| 11/23/2021 | EMT Ingenieurgesellschaft Dipl<br>Ing. Hartmut Euer mbH | Germany-based EMT develops, produces and maintains unarmed tactical aviation systems for reconnaissance missions.  | Rheinmetall AG   | Public         |
| 11/22/2021 | Space Micro, Inc. (majority stake)                      | Space Micro, Inc. supplies NASA, the U.S. military and commercial space companies with computers, image-processing subsystems, software-defined radios and other space components.               | Voyager Space Holdings, Inc.   | Strategic      |

# **Aerospace Industry Transaction Activity, cont.**



| Announced  | Target Name                   | Target Description   | Acquirer   | Buyer Type     |
|------------|-------------------------------|--|--|----------------|
| 11/17/2021 | Pax River Business            | The Albers Group provides niche engineering capability, aviation operations, certified manufacturing capability, and a technology commercialization strategy.  | Castellum, Inc.  | Public         |
| 11/17/2021 | Metalcraft Technologies, Inc. | Metalcraft Technologies, Inc., is an aerospace manufacturer of complex aircraft components and structural assemblies.  | ARCH Precision Components Corp.<br>(The Jordan Company)    | PE Platform    |
| 11/15/2021 | Planetary Systems Corp.       | Planetary Systems Corp. ("PSC") is a provider of mechanical separation systems and satellite dispensers.   | Rocket Lab USA, Inc.                                       | Public         |
| 11/10/2021 | VanderSat B.V.                | Planet Labs is a provider of daily data and insights about Earth. Planet designs, builds, and operates the largest earth observation fleet of imaging satellites, capturing and compiling data.        | Planet Labs, Inc.  | Public         |
| 11/08/2021 | Citadel Defense Co.           | Citadel Defense Co. develops advanced counter-unmanned aerial systems ("cUAS") technology to enable operators to locate drone threats, track flight paths, and autonomously neutralize threats.        | BlueHalo, LLC (Arlington Capital Partners)                 | PE Platform    |
| 11/08/2021 | Inmarsat Group Holdings Ltd   | Inmarsat Global Ltd is a provider of global mobile satellite communications services.  | Viasat, Inc.   | Public         |
| 11/03/2021 | SA Photonics, Inc.            | SA Photonics specializes in the design and development of multi-domain photonics technologies for free space optical ("FSO") communications for military and commercial customers.                     | CACI International, Inc.                                   | Public         |
| 11/2/2021  | Maestro international Cargo   | Mestro provides ground and ramp handling services to leading exclusive air cargo airlines such as Air China Cargo, Emirates Sky Cargo, and Ethiopian Airlines  | Alliance Ground Intl. (Audax Group<br>& Greenbriar Equity) | PE Platform    |
| 10/28/2021 | AirCentre Opertions Portfolio | Sabre's AirCentre Operations business delivers software solutions including Crew Management, Flight Management and Airport Management.   | CAE, Inc.  | Public         |
| 10/28/2021 | Terran Orbital Corp.          | Terran Orbital is a vertically integrated provider of end-to-end satellite solutions. Terran Orbital combines satellite design, production, launch planning, mission operations, and in-orbit support. | Tailwind Two Acquisition Corp.                             | Public         |
| 10/26/2021 | Geocent, LLC                  | Geocent is a multi-disciplined professional services firm specializing in information technology consulting services and aerospace engineering/manufacturing solutions supporting critical missions.   | Sev1Tech, LLC (DFW Capital Partners, Inc.)                 | PE Platform    |
| 10/21/2021 | McFarlane Aviation, Inc.      | McFarlane Aviation, Inc. is a designer and manufacturer of aftermarket PMA parts for the general aviation industry.  | Vance Street Capital, LLC                                  | Private Equity |

# **Aerospace Industry Transaction Activity, cont.**



| Announced  | Target Name   | Target Description  | Acquirer   | Buyer Type     |
|------------|---|---|--|----------------|
| 10/20/2021 | Identified Technologies   | Identified Technologies is a managed commercial drone solutions firm which provides 2D data, 3D volumetrics, as well as progress and cost forecasting and change detection.                               | Alpine 4 Holdings, Inc.                                    | Public         |
| 10/19/2021 | Sheltair Aviation Services LLC's<br>Five New York Facilities          | Sheltair's facilities provide fixed base operations ("FBO"), property leasing and development, and aviation-related construction and construction management services                                     | Modern Aviation (Tiger Infrastructure Partners)            | PE Platform    |
| 10/18/2021 | Stealth Aerospace, Inc.   | Stealth Aerospace is a stocking distributor of aerospace electrical and electro-mechanical components including relays, switches, connectors, lamps, avionic components, latches and wire.                | Fastener Distribution Holdings, LLC (Audax Private Equity) | PE Platform    |
| 10/15/2021 | Ashot Ashkelon Industries Ltd<br>(85%)                                | Israel-based Ashot Ashkelon Industries specializes in the manufacture of jet engine shafts, gears, transmissions, gearboxes, high lift systems components, landing gear components and tungsten products. | FIMI Opportunity Funds                                     | Strategic      |
| 10/12/2021 | Onboard Systems International,<br>LLC                                 | Onboard Systems International is a provider of external cargo equipment, cargo hook suspension systems, cargo hooks, human external cargo ("HEC") systems and Onboard Weighing Systems.                   | Arcline Investment Management LP                           | Private Equity |
| 10/12/2021 | Lufthansa Technik Shannon Ltd.<br>("LTSL")                            | LTSL specializes in performing heavy maintenance checks (C and D Checks) on Boeing 737, 737 NG, 757, 767, 787 and Airbus A320 family aircraft.  | Atlantic Aviation Group Ltd.<br>("AAG")                    | Strategic      |
| 10/5/2021  | CHawk Technology International  | CHawk provides plastic and metal machining, fabrication, clean room assembly, and engineering services  | Graycliff Partners   | Private Equity |
| 10/5/2021  | Undisclosed A&D Contractor<br>Focused on Lockheed Martin<br>Platforms | The undisclosed target provides critical parts for some of the military's most important airplanes  | Emko Capital   | Private Equity |
| 10/04/2021 | Valley Tech Systems, Inc.   | Valley Tech Systems is involved in the development of controllable solid propulsion and open architecture airborne intelligence, surveillance and reconnaissance ("ISR") technologies.                    | Voyager Space Holdings, Inc.                               | Strategic      |



| Announced  | Target Name                               | Target Description   | Acquirer  | Buyer Type     |
|------------|---|--|---|----------------|
| 12/28/2021 | North American Carbide                    | North American Carbide ("NAC") is a manufacturer of carbide, cermet, ceramic, silicon nitride, PCD, and CBN tools and provides highly engineered cutting solutions.                            | ARCH Precision Components Corp.<br>(The Jordan Company)       | PE Platform    |
| 12/27/2021 | Euclid System Engineering Ltd.            | Israel-based Euclid System Engineering specializes in the development of smart, small and lightweight positioners and tracking systems for the defense industries.                             | Orbit Communication Systems Ltd.                              | Public         |
| 12/21/2021 | Carbide Tools, Inc.                       | Carbide Tools is a special carbide round tooling manufacturer serving the private sector and U.S. federal government markets.  | GWS Tool Group, LLC   | Strategic      |
| 12/21/2021 | Inras GmbH                                | Inras GmbH is a provider and developer of radiofrequency ("RF") systems, processing boards, real-time signal processing and advanced radar sensors.  | Joby Aviation, Inc.   | Public         |
| 12/21/2021 | ITI Engineering, LLC                      | Provides data transfer, signal analysis, and communications products and related engineering services primarily to the defense industry  | Aeronix (Shoreview Industries)                                | PE Platform    |
| 12/20/2021 | Machine Specialties, Inc.                 | Machine Specialties is a precision parts manufacturing firm serving the private sector and the U.S. federal government aerospace and defense, space, medical and industrial end markets.       | Calvert Street Capital Partners, Inc.                         | Private Equity |
| 12/17/2021 | Design Integrated Technology,<br>Inc.     | Design Integrated Technology, Inc. ("DIT") is a manufacturer of high viscosity Helicone Mixers, Pressure Vessels and solid propellant testing equipment.                                       | SPARC Research LLC  | Strategic      |
| 12/17/2021 | Barry Industries, Inc.                    | Barry Industries, Inc. is a manufacturer of semiconductor packaging and resistive component  | Vishay Intertechnology, Inc.                                  | Public         |
| 12/16/2021 | Fluid Filtration Specialists, LLC ("FFS") | Fluid Filtration Specialists, LLC (FFS) specializes in flushing and filtration services for marine vessels and other facilities that operate large, highly sophisticated engines and systems.  | Fairbanks Morse Defense (Arcline Investment Management, L.P.) | PE Platform    |
| 12/16/2021 | Evaporated Metal Films Corp.              | EMF Corp. provides optical coating solutions for plastic, glass, metal, and ceramic substrates. The company also manufactures reflectors, beam splitters, infrared optics, and dental mirrors. | Omega Optical Holdings, LLC (Artemis Capital Partners)        | PE Platform    |
| 12/16/2021 | Magnetic Seal Corp.                       | Magnetic Seal Corp. is a provider of high-impact, military-proven magnetic seals for critical systems in aerospace and defense applications.   | Ducommun, Inc.  | Public         |
| 12/15/2021 | GK Mechanical Systems, LLC                | GK Mechanical Systems is a mechanical engineering and manufacturing firm specializing in automatic, positive, locking systems and component  | Novaria Group (KKR & Co. L.P.)                                | PE Platform    |



| Announced  | Target Name   | Target Description  | Acquirer  | Buyer Type     |
|------------|---|---|---|----------------|
| 12/13/2021 | Málaga Aerospace, Defense and Electronics Systems, S.A. | Spain-based MADES manufactures electronic systems for U.S. and European missile systems and defense programs, including circuit card assemblies and specialized electronic assemblies.      | Latécoère S.A. (Searchlight Capital<br>Partners, L.P.)        | PE Platform    |
| 12/09/2021 | Acculogic Ltd.  | Acculogic designs, manufactures and markets a broad range of systems and instruments for testing electronic devices, circuit boards and systems   | inTEST Corp.  | Public         |
| 12/08/2021 | Welin Lambie Ltd.                                       | Welin Lambie Ltd. provides davit systems for oceangoing vessels. Welin Lambie offers a comprehensive range of davit systems for commercial / merchant marine application.                   | Fairbanks Morse Defense (Arcline Investment Management, L.P.) | PE Platform    |
| 12/08/2021 | Analysis, Design & Diagnostics, Inc.                    | Analysis Design & Diagnostics ("AD&D") specializes in sound analysis, acoustic sensor, and advanced data processing technologies for both animal research and tactical naval applications.  | SEACORP, LLC  | Strategic      |
| 12/07/2021 | Narda-MITEQ   | Narda-MITEQ develops and manufactures specialized RF microwave products and solid-state SATCOM components.  | J.F. Lehman & Company   | Private Equity |
| 12/07/2021 | Aviatronik, S.P.A.                                      | Aviatronik, S.P.A. is a value added distributor and manufacturer of advanced computer hardware structures and components.   | Trescal SAS (OMERS Private<br>Equity)                         | PE Platform    |
| 12/06/2021 | Orolia Holding SAS                                      | Orolia Holding SAS is a high-technology group specialized in precise positioning, navigation and timing ("PNT").  | Safran S.A.   | Public         |
| 12/02/2021 | Entegra Systems Inc.                                    | Entegra Systems, LLC is a provider of cyber technology solutions in support of defense, intelligence and national security missions.  | Acclaim Technical Services, LLC                               | Strategic      |
| 12/01/2021 | Domaille Engineering, LLC                               | Domaille Engineering, LLC is a worldwide provider of engineering solutions and precision manufacturing services to high-tech industries and is an OEM of optical fiber polishing equipment. | ADDMAN Engineering, LLC (American Industrial Partners )       | PE Platform    |
| 12/01/2021 | Essentium, Inc.   | Essentium is a provider of industrial additive manufacturing solutions. It develops industrial 3D printing solutions across systems, materials, software, and service                       | Atlantic Coastal Acquisition Corp.                            | Public         |
| 12/01/2021 | ContiTech USA, Inc.                                     | ContiTech North America manufactures specialized rubber and plastics.   | Loc Performance Products, Inc.                                | Strategic      |
| 11/30/2021 | Will-Mor Manufacturing, LLC                             | Will-Mor Manufacturing is acertified provider of difficult to machine, mission critical engine components.  | Global Precision Products, LLC                                | Strategic      |



| Announced  | Target Name                                    | Target Description  | Acquirer   | Buyer Type  |
|------------|--|---|--|-------------|
| 11/29/2021 | Unical Defense, Inc.                           | Unical Defense is a military-focused business providing product support solutions to OEMs, governments and maintenance repair stations.   | Fastener Distribution Holdings, LLC (Audax Private Equity)         | PE Platform |
| 11/29/2021 | Atlanta Micro, Inc.                            | Atlanta Micro is a designer and manufacturer of high-performance RF modules and components, including advanced monolithic microwave integrated circuits ("MMICs").                              | Mercury Systems, Inc.  | Public      |
| 11/22/2021 | GWS Tool Group, Inc.                           | GWS Tool is a vertically integrated manufacturer of highly engineered custom, standard and modified standard carbide cutting tools and inserts.   | Sandvik AB   | Public      |
| 11/19/2021 | Spectrum Semiconductor<br>Materials, Inc.      | Spectrum Semiconductor Materials is a specialty distributor of semiconductor components to the private and U.S. federal government defense markets.   | AmpliTech, Inc.  | Public      |
| 11/18/2021 | Networks Electronic Company,<br>LLC ("Neco")   | Networks Electronic Company provides miniature electro-explosive components and subsystems supporting mission, flight, and life-critical applications to the aerospace and defense end-markets. | ESCO Technologies, Inc.  | Public      |
| 11/18/2021 | Zeppelin Mobile Systeme GmbH                   | Germany-based Zeppelin Mobile Systeme GmbH specializes in container and shelter solutions for crisis zones, mobile medical facilities in the civil sector, as well as military command centres. | Rheinmetall AG   | Public      |
| 11/18/2021 | Tri-Tek Group, LLC                             | Tri-Tek Electronics specializes in the fabrication of cable assemblies, specialized bulk cable, RF assemblies, wire harnesses, and interconnect systems.  | Interconnect Solutions Company,<br>LLC (ISC) (Tide Rock Holdings ) | PE Platform |
| 11/17/2021 | Dutch Thermoplastic<br>Components B.V. ("DTC") | Dutch Thermoplastic Components B.V. ("DTC") develops and fabricates structural thermoplastic composite parts.   | Collins Aerospace Systems (Raytheon Technologies Corp.)            | Public      |
| 11/16/2021 | RenXTech, LLC                                  | RenXTech is a provider of cyber defense, cyber exploitation and operations, digital forensics exploitation, technical development, and target network analysis.                                 | Buchanan & Edwards Inc. ("BE")                                     | Strategic   |
| 11/16/2021 | IMG Companies, LLC ("IMG")                     | MG Companies ("IMG") is a vertically integrated manufacturer of process sensitive, critical and highly engineered components, tools and systems.  | Ichor Holdings, Ltd.   | Public      |
| 11/16/2021 | SMD Sales, Inc.                                | Surface Mount Distribution is an electronic components distributor specializing in passive, interconnect, discrete, opto-<br>electronic, electro-mechanical, and frequency control components.  | TTI, Inc.  | Strategic   |
| 11/11/2021 | Axis Electronics, Ltd.                         | Axis Electronics, Ltd. is a contract electronic manufacturing services provider serving the private, international, and U.S. federal government markets.  | Cicor Management AG  | Strategic   |



| Announced  | Target Name  | Target Description   | Acquirer  | Buyer Type     |
|------------|--|--|---|----------------|
| 11/11/2021 | Bohemia Interactive Simulations s.r.o.             | Bohemia Interactive Simulations s.r.o. ("BISim") is a provider of simulation technologies and integrated training solutions for military and civilian organizations.                           | BAE Systems plc                                     | Public         |
| 11/11/2021 | International Marine and<br>Industrial Applicators | International Marine and Industrial Applicators is a provider of critical vessel preservation services to the U.S. Navy and commercial maintenance, repair, and overhaul ("'MRO").             | The Carlyle Group & Stellex Capital Management L.P. | Private Equity |
| 11/10/2021 | LoneStar Future Weapons, LLC                       | LoneStar Future Weapons is an advanced technology company focused on the manufacture of next-generation defense solutions.   | True Velocity, Inc.                                 | Strategic      |
| 11/08/2021 | Jackson Die Cast LLC                               | Jackson Die Cast is an aluminum high pressure die casting facility equipped with 15 die cast machines on site.   | Pace Industries, LLC                                | Strategic      |
| 11/04/2021 | Alio Industries, Inc.                              | Alio Industries is a designer, engineer, and manufacturer of advanced motion systems for nano-precision applications.  | Allied Motion Technologies, Inc.                    | Public         |
| 11/04/2021 | United Silicon Carbide, Inc.                       | United Silicon Carbide is a manufacturer of silicon carbide FET and diode power semiconductors as well as telecom/server power supplies, variable speed motor drives and solar PV inverters.   | Qorvo, Inc.   | Strategic      |
| 11/04/2021 | Sterling Precision, Inc.                           | Sterling Precision is a manufacturer of dip-brazed assemblies and end-to-end manufacturing of thermal management and communication devices.  | Vitesse Systems, Inc. (Trive Capital Holdings, LLC) | PE Platform    |
| 11/02/2021 | Ormec Systems Corp.                                | Ormec Systems is a manufacturer of motion control systems that integrate motion controllers, logic control, servo drives, servo motors, HMIs and I/O into cost-effective automation solutions. | Allied Motion Technologies, Inc.                    | Public         |
| 11/02/2021 | Rogers Corporation                                 | Rogers Corporation is a specialty engineered materials company which designs, develops, manufactures and sells engineered materials and components for mission critical applications.          | DuPont de Nemours, Inc.                             | Public         |
| 11/02/2021 | Techshot, Inc.                                     | Techshot specializes in the custom design and prototyping of mechanical, electrical and software solutions.  | Redwire Corp.                                       | Public         |
| 11/02/2021 | ASC International, Inc.                            | ASC Industries is a full-line stocking distributor for over 30 of the industry's top hardware manufacturers focused primarily on aerospace fasteners, fittings, and hardware.                  | Wencor Group, LLC (Warburg<br>Pincus, LLC)          | PE Platform    |
| 11/01/2021 | Gryphon Technologies, Inc.                         | Gryphon Technologies is an engineering services firm specializing in systems integration, C4ISR, T&E and integrated logistics with a focus on cyber security for control systems.              | ManTech International Corp.                         | Public         |



| Announced  | Target Name                                    | Target Description   | Acquirer   | Buyer Type     |
|------------|--|--|--|----------------|
| 11/01/2021 | H.C. Starck's Electronic<br>Materials Business | H.C. Starck's Electronic Materials Business is a provider of high-purity tantalum sputtering targets, important in the manufacture of semiconductor chips.   | Materion Corp.   | Public         |
| 10/28/2021 | Bluestone Analytics, LLC;<br>Unidentified Firm | Bluestone is focused on Dark Web intelligence analysis and exploitation. Its primary product is a cloud-based OSINT tool that allows analysts to search, analyze, and visualize mission-critical data. | CACI International, Inc.                                     | Public         |
| 10/28/2021 | 3DXTech LLC                                    | 3DXTech LLC is an additive 3D printing manufacturer. The company offers printing services for both production and prototype quantities using one a broad list of thermoplastic materials.              | CORE Industrial Partners, LLC                                | Private        |
| 10/28/2021 | Nelson-Miller, Inc                             | Provides custom, engineered components and assemblies for critical applications across medical, aerospace, defense, and Industrial markets   | New Water Capital  | Private Equity |
| 10/27/2021 | H & W Global Industries, Inc.                  | Valence H & W Global Industries provides metal finishing, electroplating, and industrial coating services.   | Valence Surface Technologies, LLC (ATL Partners)             | PE Platform    |
| 10/27/2021 | SemiGen, Inc                                   | SemiGen Provides products and services to the RF and microwave community across the defense, SATCOM, space, and advanced communications markets  | Naprotek, LLC (Edgewater Capital Partners)                   | PE Platform    |
| 10/26/2021 | Semi-General, Inc.                             | Semi-General is a full service microwave solutions company that provides advanced microwave assembly, products and services.   | Naprotek, LLC (Edgewater Capital Partners)                   | PE Platform    |
| 10/26/2021 | Angeles Composites Technologies, Inc. ("ACTI") | Angeles Composites Technologies ("ACTI") is a supplier of advanced structural composite assemblies and components.   | JW Hill Capital  | Private Equity |
| 10/26/2021 | Federal Resources Supply Co.                   | Federal Resources Supply Co. is a value-added provider of mission-critical products and solutions to defense, first responder, homeland security and maritime end users.                               | Noble Supply and Logistics                                   | Strategic      |
| 10/25/2021 | PAE, Inc.                                      | PAE, Inc. provides services that support military readiness, peacekeeping missions, nation building activities, personnel recruitment and training, and disaster relief services.                      | Amentum Holdings, LLC  | Strategic      |
| 10/25/2021 | Seven Solutions Sociedad<br>Limitada           | Spain-based Seven Solutions Sociedad Limitada is a provider of embedded systems and sub-nanosecond time transfer and frequency distribution services.  | Eurazeo SE (Orolia Holding SAS)                              | Public         |
| 10/21/2021 | Advanced Laser Machining, Inc.                 | Advanced Laser Machining, Inc. combines broad metal fabrication capabilities with complex assembly and complementary value-added services to provide a single-source solution.                         | CGI Automated Manufacturing, Inc. (CORE Industrial Partners) | PE Platform    |



| Announced  | Target Name   | Target Description   | Acquirer                                       | Buyer Type     |
|------------|---|--|--|----------------|
| 10/19/2021 | SwissOptic AG   | SwissOptic AG, headquartered in Heerbrugg, Switzerland, a specialist in the development and manufacture of optical components and assemblies.  | Jenoptik AG                                    | Public         |
| 10/18/2021 | RFM Integrated Device, Inc. (51%)                     | RFM Integrated Device is a manufacturer of low-power RF communications components, subsystem short-range radios, RF modules and boxed radio products using surface acoustic waves ("SAW").         | Akoustis Technologies, Inc.                    | Public         |
| 10/07/2021 | dBmCorp   | DbmCorp Provides test equipment and subsystems used in wireless telecommunications, satellite systems, and defense applications  | Maury Microwave (Artemis Capital Partners)     | PE Platform    |
| 10/06/2021 | APCT, Inc.  | APCT is an integrated manufacturer of complex, quick-turn printed circuit board ("PCB") prototypes.  | Industrial Growth Partners                     | Private Equity |
| 10/06/2021 | Undisclosed Precision Tank &<br>Cylindar Manufacturer | rer Provides aluminum and composite-wrapped cylinders, tanks, and other components to OEM customers in the consumer, defense, industrial, medical, and sporting goods industries                   | KLH Capital                                    | Private Equity |
| 10/04/2021 | Paciwave, Inc.  | Paciwave is a specialized designer and manufacturer of RF and microwave components and integrated assemblies specializing in PIN Diode Switches, PIN Attenuators, and PIN Limiters.                | dB Control (HEICO Corp.)                       | Public         |
| 10/01/2021 | Colorado Engineering, Inc.<br>("CEI")                 | Colorado Engineering ("CEI") is a Radio Frequency ("RF") and high-performance computing ("HPC") solutions provider offering off-the-shelf and custom-tailored solutions for hardware and software. | Cobham Ltd., CAES (Advent International Corp.) | PE Platform    |
| 10/01/2021 | Sonitus Technologies Inc.                             | Sonitus Technologies provides wearable communications solutions and enables real-time wireless communications and monitoring of physiological information of users.                                | Integrated Tactical Technologies,<br>LLC       | Strategic      |



| Announced  | Target Name                                | Target Description  | Acquirer                               | Buyer Type     |
|------------|--|---|--|----------------|
| 12/30/2021 | CollabraLink Technologies, Inc.            | CollabraLink provides digital transformation services with capabilities in Human Centered Design, Agile and DevSecOps, Intelligent Automation, AI and a deep focus on low code automation platforms.      | Washington Harbour Partners, LP        | Public         |
| 12/28/2021 | Gresham Worldwide, Inc.                    | Gresham Worldwide, Inc. is a provider of high-quality, high-reliability bespoke technology solutions required for mission critical applications in the defense, medical and telecommunications verticals. | Giga-tronics, Inc.                     | Public         |
| 12/21/2021 | Allegiant Defense                          | Allegiant Defense provides systems engineering and technical services to the DoD through data analysis and assessment of cutting edge technologies  | NowVertical Group, Inc                 | Public         |
| 12/20/2021 | Cerner Corp.                               | Cerner Corp. is a provider of digital information systems used within hospitals and health systems to enable medical professionals to deliver better healthcare to individual patients and communities.   | Oracle Corporation                     | Public         |
| 12/16/2021 | InTec, LLC                                 | InTec, LLC provides consulting services based on it's technical and management expertise across the federal government, to include Intelligence, Civil, and Defense Agencies.                             | Analytic Services Inc.                 | Non-profit     |
| 12/16/2021 | Varen Technologies, Inc.                   | Varen provides cyber security, analytics, agile software development and IT/maintenance service to the private sector and federal government defense organizations.                                       | Godspeed Capital Management LP         | Private Equity |
| 12/14/2021 | TRAXXALL Technologies                      | TRAXXALL Technologies provides software-as-a-service ("SaaS") solutions for aircraft maintenance tracking, parts inventory management, and cloud-based software to enhance aircraft MRO workflow.         | Jet Support Services, Inc. (GTCR, LLC) | PE Platform    |
| 12/14/2021 | CyberSheath Services<br>International, LLC | CyberSheath Services International, LLC is an IT security services partners. It offers a comprehensive suite of offerings tailored to clients' information security and regulatory compliance needs.      | Lightview Capital                      | Private Equity |
| 12/13/2021 | Creative Systems and Consulting, LLC       | Creative is a provider of IT modernization and digital transformation solutions including digital strategy, cloud and infrastructure solutions, customer experience and data analytics.                   | ICF International, Inc.                | Public         |
| 12/07/2021 | Techconnect                                | TechConnect is a technology research innovation prospecting and matchmaking organization serving the private sector and U.S. federal government aerospace, defense, and technology markets.               | Advanced Technology<br>International   | Strategic      |
| 12/07/2021 | The Tomorrow Companies Inc. (Tomorrow.io)  | Tomorrow.io is a weather and climate security SaaS company aimed at enabling countries, businesses and individuals to prepare for weather events and climate change.                                      | Pine Technology Acquisition Corp.      | Public         |
| 12/07/2021 | DataTech Group, The                        | DataTech is a technology solutions provider that delivers software and technical expertise across data warehousing solutions, decision support systems, and enterprise architectures.                     | Torch.Al                               | Strategic      |



| Announced  | Target Name                                    | Target Description   | Acquirer  | Buyer Type     |
|------------|--|--|---|----------------|
| 12/06/2021 | SKC Communication Products,<br>LLC             | SKC designs, builds, and manages technology for unified collaboration using A/V, UC, cloud voice, and headsets to seamlessly collaborate, communicate, and connect.  | AVI-SPL, Inc. (Marlin Equity<br>Partners)             | PE Platform    |
| 12/02/2021 | BIAS Corp.                                     | BIAS is a provider of information technology solutions, leveraging Oracle technologies; capabilities include services for cloud infrastructure, database, middleware, applications, analytics and security | Deloitte LLP  | Public         |
| 12/02/2021 | Client Network Services, Inc.<br>("CNSI")      | CNSI develops, implements, operates, and maintains mission-critical systems for Medicaid, Medicare, and other related health programs.   | The Carlyle Group                                     | Private Equity |
| 11/30/2021 | Preting Consulting, LLC                        | Preting provides tailored support and training services to successfully detect, identify and disrupt terrorist operations, insider threats, and others targeting vital U.S. interests.                     | Cherokee Federal (Cherokee Nation Businesses ("CNB")) | Strategic      |
| 11/29/2021 | Quest Software, Inc.                           | Quest Software is a provider of enterprise systems management software. It provides solutions spanning from database management to data protection to IT departments.                                      | Clearlake Capital Group, L.P.                         | Private Equity |
| 11/23/2021 | Asymmetrik Ltd.                                | Asymmetrik is a developer of software solutions and technology tools used to enable the Intelligence Community's ("IC") most advanced programs.  | BlueHalo, LLC (Arlington Capital Partners)            | PE Platform    |
| 11/16/2021 | Gray Matters, Inc.                             | Gray Matters is a provider in blockchain and encryption algorithm technology focused on secure Supply Chain Management ("SCM").  | Information Analysis, Inc.                            | Public         |
| 11/15/2021 | Innovative Management &<br>Technology Services | Innovative Management & Technology Services provides IT Services to the law enforcement community, including software and data analysis, IT infrastructure support and systems engineering.                | Advanced Mission Solutions, LLC ("AMS")               | Strategic      |
| 11/15/2021 | Knight Sky LLC                                 | Knight Sky installs and operates mobile communications networks, information technology services, systems integrations and enterprise applications.  | NIC4, Inc.  | Strategic      |
| 11/11/2021 | Computerized Imaging Reference Systems, Inc.   | Computerized Imaging Reference Systems, Inc. is a provider of medical imaging and radiation therapy phantoms serving the medical industry.   | Mirion Technologies, Inc.                             | Public         |
| 11/09/2021 | Level Up, LLC                                  | Level Up specializes in information system implementation, infrastructure architecture, data collection and transformation.  | AVIAN, Inc.   | Strategic      |
| 11/09/2021 | Flatirons Solutions, Inc.                      | Flatirons Solutions, Inc. provides information and application management consulting services and solutions, including transformational outsourcing services for technical and training information.       | TELEO Capital Management, LLC                         | Private Equity |



| Announced  | Target Name                          | Target Description   | Acquirer   | Buyer Type     |
|------------|--------------------------------------|--|--|----------------|
| 11/08/2021 | FiscalNote Holdings, Inc.            | FiscalNote is an Artificial Intelligence ("AI")-driven enterprise SaaS company that provides legal and regulatory data and insights.   | Duddell Street Acquisition Corp.                     | Public         |
| 11/08/2021 | McAfee Corp.                         | McAfee Corp. is a provider of integrated security, privacy, and trust solutions. The company provides cybersecurity solutions to consumer and enterprise customers worldwide.                        | Investor Group                                       | Strategic      |
| 11/08/2021 | HawkEye 360, Inc. (minority stake)   | HawkEye 360, Inc. specializes in radio frequency (RF) geoanalytics, providing commercially available precise mapping of global RF emissions.   | Jacobs Engineering Group, Inc.                       | Public         |
| 11/8/2021  | AINS, Inc                            | AINS Provides case management software and IT services to streamline and automate workflows for government customers   | Gemspring Capital                                    | Private Equity |
| 11/04/2021 | Simpson Security Systems, Inc.       | Simpson Security Systems is a security systems integration firm providing security and special systems solutions, with a large concentration of fire alarm, access control, and video surveillance.  | Convergint Technologies, LLC (Ares Management, L.P.) | PE Platform    |
| 11/02/2021 | ESAC, Inc.                           | ESAC provides research data management, bioinformatics, and healthcare information technology solutions for government, commercial and academic clients.   | ICF International, Inc.                              | Public         |
| 11/01/2021 | Comtech Telecommunications Corp.     | Comtech Telecommunications is a global provider of next-generation 911 emergency systems and secure wireless communications technologies.  | Acacia Research Corp.                                | Public         |
| 11/01/2021 | Fire Team Solutions, LLC             | Fire Team Solutions, LLC delivers a broad range of capabilities in cloud, cyber, and software development to customers across the Department of Defense and intelligence community.                  | AE Industrial Partners, LP                           | Private Equity |
| 11/01/2021 | BlackLynx, Inc.                      | BlackLynx, Inc. delivers enterprise-scale software solutions that automate and accelerate global intelligence collection for national security and commercial customers.                             | Jacobs Engineering Group, Inc.                       | Public         |
| 11/01/2021 | Procentrix, Inc.                     | Procentrix is a provider of information technology solutions that improve and automate mission-critical enterprise-scale IT workloads.   | Macquarie Group Ltd.                                 | Public         |
| 10/29/2021 | Videology Imaging Solutions,<br>Inc. | Videology Imaging Solutions, Inc. is a global OEM camera developer and manufacturer specializing in the design, development and manufacturing of video, image acquisition, and display technologies. | inTEST Corporation                                   | Public         |
| 10/28/2021 | 202 Group, LLC                       | 202 Group is a provider of supply chain risk management solutions. It combines commercial software tools, innovative visualizations, expert analysis, and curated open data.                         | BlueVoyant, LLC                                      | Private        |



| Announced  | Target Name                             | Target Description  | Acquirer  | Buyer Type     |
|------------|---|---|---|----------------|
| 10/26/2021 | Digital Management, LLC                 | Digital Management offers solutions for enterprise mobility and cybersecurity; and services in strategic IT consulting, managed IT services, enterprise application development, and health IT. | OceanSound Partners, L.P.                                   | Private Equity |
| 10/21/2021 | Philadelphia Protection Bureau,<br>Inc. | The Protection Bureau specializes in systems integration, service, and central station monitoring of enterprise burglar alarm, fire alarm, video surveillance, and access control systems.      | Corbett Technology Solutions, Inc.<br>(Wind Point Partners) | PE Platform    |
| 10/18/2021 | Sirius Computer Solutions, Inc.         | Sirius is a national solutions integrator that specializes in digital infrastructure, security, cloud, managed services, and business innovation.   | CDW Corp.   | Public         |
| 10/18/2021 | SCALABLE Network Technologies, Inc.     | SCALABLE Network Technologies is a communications electronics firm that provides real-time wireless network simulation solutions.   | Keysight Technologies, Inc.                                 | Public         |
| 10/18/2021 | Undisclosed Company                     | The acquisition target provides computer network operations and cybersecurity operations services to the intelligence community   | Bogart Associates (CM Equity)                               | PE Platform    |
| 10/15/2021 | GP Strategies Corp.                     | GP Strategies Corp. is a global performance improvement solutions provider of training, e-Learning solutions, management consulting and engineering services.                                   | Learning Technologies Group plc                             | Public         |
| 10/14/2021 | NetCentrics Corp.                       | NetCentrics is an information technology consulting, software development, and innovation process management firm.  | Cerberus Capital Management,<br>L.P.                        | Private Equity |
| 10/14/2021 | TRC Companies, Inc.                     | TRC is a global consulting, engineering and construction firm that provides environmentally focused and digitally powered solutions.  | Warburg Pincus, LLC   | Private Equity |
| 10/13/2021 | Lexipol                                 | Provides public safety agencies and local governments with essential policy content, online training programs, grant services, health and wellness resources, and timely news and analysis      | GTCR  | Private Equity |
| 10/12/2021 | Advanced Solutions, Inc.                | Advanced Solutions is an aerospace engineering consulting firm delivering mission proven space software, mission simulation and test systems, and Guidance, Navigation, and Control ("GNC").    | Rocket Lab USA, Inc.  | Public         |
| 10/12/2021 | Markon Solutions                        | Markon Solutions is a professional services firm specializing in six core service areasacquisition, finance, facilities, security, enterprise technology, and training.                         | Anser Advisory, LLC (Sterling Investment Partners, L.P.)    | PE Platform    |
| 10/11/2021 | Digital Clues AG                        | Digital Clues AG is an open-source intelligence firm which provides data intelligence services to private and government sector clients.  | Cellebrite Di Ltd.  | Public         |



| Announced  | Target Name                                  | Target Description  | Acquirer  | Buyer Type     |
|------------|--|---|---|----------------|
| 10/11/2021 | Al.Reverie, Inc.                             | Al.Reverie, Inc. is a startup information technology firm providing artificial intelligence based services by primarily creating synthetic data to train machine learning model.                | Facebook, Inc.  | Public         |
| 10/07/2021 | SimFront Simulation Systems<br>Corporation   | SimFront Simulation Systems Corporation is an information technology consulting firm specializing in immersive training solutions and C4ISR services.   | Calian Group Ltd.                                       | Public         |
| 10/06/2021 | Systems Planning & Analysis,<br>Inc. ("SPA") | Systems Planning & Analysis ("SPA") provides systems engineering, modeling and simulation, advanced analytics, strategic advisory, industrial policy and program management.                    | MCR, LLC (Arlington Capital Partners)                   | PE Platform    |
| 10/05/2021 | Full Suite Solutions, LLC                    | Full Suite Solutions is a multi-disciplined information technology and professional services firm serving the private sectors.  | MasterPeace Solutions, Ltd.                             | Strategic      |
| 10/05/2021 | CRAssociates, Inc.                           | CRAssociates is an outsourced provider of Community-Based Outpatient Clinics ("CBOC") for Veteran Affairs Medical Centers.  | Valor Healthcare, Inc. (Trive<br>Capital Holdings, LLC) | PE Platform    |
| 10/04/2021 | Array Information Technology, Inc.           | Array Information Technology, Inc. provides IT solutions and products including cloud and on-premise infrastructure, application management and enterprise support, and science and technology. | CGI Group, Inc.   | Public         |
| 10/04/2021 | CloudCheckr, Inc.                            | CloudCheckr is a provider of cloud optimization and management solutions to better manage and reduce costs, make environments more secure and optimize resources in use.                        | NetApp, Inc.  | Public         |
| 10/4/2021  | Computer Technology Link Corp.               | Computer Technology Link provides computer products to governemnt agencies, the healthcare sector, and educational organizations  | Columbia River Partners                                 | Private Equity |
| 10/01/2021 | Appriss, Inc.                                | Appriss, Inc. is a provider of data and analytics solutions for public and private enterprises in the areas of public safety, fraud prevention and substance abuse.                             | Equifax, Inc.   | Strategic      |
| 10/01/2021 | ettain Group, Inc.                           | ettain Group, Inc. delivers recruitment solutions and managed solutions in five practice areas: technology, healthcare IT, digital, professional, and government.                               | ManpowerGroup   | Strategic      |