



MERIDIAN CAPITAL
INVESTMENT BANKERS

Aerospace & Defense | WINTER 2019
M&A UPDATE



Meridian Capital Overview



Exceptional Results Delivered

- Over \$5B in transaction experience
- Trusted advisor to leading middle market companies
- Focus on businesses with \$20M to \$500M+ in enterprise value
- 20+ years experience with complex corporate finance and M&A challenges
- 22 seasoned professionals with finance, operational, and legal backgrounds

Deep Industry Insights

- ❑ Dedicated Industry Teams
- ❑ Holistic Industry Coverage
- ❑ Deep Buyer Relationships

Transaction Expertise

- ❑ M&A
- ❑ Growth Capital
- ❑ Strategic Advisory

Customized Processes

- ❑ High Touch Approach
- ❑ Multidisciplinary Deal Team
- ❑ End-to-end Service

AEROSPACE AND DEFENSE EXPERTISE



Aerospace Components



Defense



MRO Components and Services



Automation and Tooling



Avionics



Composites



Precision Machining and Assembly



Sub-assemblies

Meridian's Aerospace and Defense Team

Transaction Leadership & Execution

Brian Murphy

President and Managing Director
Aerospace and Defense Practice
Lead



Kristin Brandtner

Vice President



Aaron Franzheim

Associate



Ty Kjellesvik

Analyst



Operational Experience

Mark Mennella

Industry Advisor –
Aerospace & Manufacturing



Years Experience

13 years – M&A and
corporate finance

10 years – Investment
Banking and Corporate
Banking

4 years – Investment
Banking

1 year – Investment
Banking

5 years – M&A

30+ years – Executive

Background

• Redlands (BS, BS)

• Notre Dame (BBA)

• Washington (BBA)

• Washington (BBA)

• Washington (BBA)

• Seattle University
(MBA)

Prior Experience

• Accenture

• J.P. Morgan

• Financial Technology
Partners

• ZMAN Magnetics
(Owner and CEO)

International Aerospace and Defense Connections

Global M&A

Meridian Capital is a founding member of Global M&A Partners, a global partnership of independent, middle-market investment banking firms. Established in 1999, the partnership includes 34 investment banks with more than 200 M&A professionals transacting in over 50 countries. Combined the partnership has successfully completed over 1,500 transactions with combined value in excess of \$50 billion over the past five years. Meridian is a leading member of the partnership's Aerospace Coverage Team.

A&D Coverage Team Highlights

- Significant aerospace operational and transaction experience
- Global coverage across key geographic markets (50+ countries)
- Unmatched strategic relationships and investor access across aerospace industry
- Leading research and thought leadership

GM&A Partners Aerospace and Defense Coverage Team Leadership Group



Noel Forgeard
France

Sector Team Lead
Former Chairman & CEO -
Airbus



Brian Murphy
USA

North American Sector
Team Lead



Clive Snowden
UK

Senior / Operations Advisor
Chairman – Shimtech
Chairman – MAA



Christian Kollmann
Germany

Managing Partner,
Aerospace & Defense



Philippe Dore
France

Managing Partner,
Aerospace & Defense



Ulf Hoyen
Nordic Region

Managing Partner,
Aerospace & Defense

Global M&A Partners is a leading independent M&A advisory group.

Meridian Capital is a founding member

Meridian Aerospace and Defense Transaction Experience

Blast Deflectors



BDI
BLAST DEFLECTORS

Global leader in jet blast deflection and engine noise mitigation technology

- Acquired By -



HANOVER PARTNERS, INC.



MERIDIAN CAPITAL
INVESTMENT BANKERS

Thortex



Thortex
Leading manufacturer of aerospace and orthopedic components

- Acquired By -



AVALIGN
Technologies



MERIDIAN CAPITAL
INVESTMENT BANKERS

HR Givon



GIVON

Manufacturer precision machined parts for the aerospace and defense industries

- Acquired By -



wipro



MERIDIAN CAPITAL
INVESTMENT BANKERS

J&M Machine



J&M
MACHINE

Manufacturer of precision machined aerospace parts

- Acquired By -



LIBERTY HALL
Capital Partners



MERIDIAN CAPITAL
INVESTMENT BANKERS

Procesos Termicos



Procesos Termicos

Mexico-based provider of machining and special processing services

- Acquired By -



NORANCO



MERIDIAN CAPITAL
INVESTMENT BANKERS

JL Manufacturing



JL Manufacturing
Inc.

Manufacturer of precision machined components for the aerospace and defense industries

- Acquired By -



GIVON



MERIDIAN CAPITAL
INVESTMENT BANKERS

Imaginetics, Inc.



IMAGINETICS

Tier 1 manufacturer of precision components for the aerospace and defense industries

- Acquired By -




KIDD
&
COMPANY



MERIDIAN CAPITAL
INVESTMENT BANKERS


AVIC International



AVIC
ARITEX

Manufacturer and installer of production and assembly lines

- Buy-Side Advisory Services -



MERIDIAN CAPITAL
INVESTMENT BANKERS

Mobile Tool Management



MOBILE TOOL
MANAGEMENT

Manufacturer of robotics for the aerospace industry

- Growth Capital Provided By -



CRAFT



MERIDIAN CAPITAL
INVESTMENT BANKERS

Pacific Aerospace & Electronics



PA&E
Member of SOURIAU Group

Manufacturer of precision electronic aerospace, medical, and industrial products

- Financial and Buy-Side -
Advisory Services -



MERIDIAN CAPITAL
INVESTMENT BANKERS

VIOX Corporation



VIOX
CORPORATION
GLASS TECHNOLOGY
Design • Development • Manufacturing

Manufacturer of glass/ceramic compositions for electronic, industrial, and healthcare markets

- Acquired By -



ceradyne, inc.



MERIDIAN CAPITAL
INVESTMENT BANKERS

Dynamic Ceramic



DYNAMIC
CERAMIC

Leading UK manufacturer of advanced ceramics

- Acquired By -




COORSTEK



MERIDIAN CAPITAL
INVESTMENT BANKERS


FACC Aerospace



facc


Austrian manufacturer of composite aerospace components & systems

- Financial and Buy-Side
Advisory Services -



MERIDIAN CAPITAL
INVESTMENT BANKERS

Mold Rite




MOLD RITE
CUSTOM INJECTION MOLDING

Injection moldings for aerospace, medical, and consumer products

- Acquired By -

Sound Rite
Plastics, Ltd.



MERIDIAN CAPITAL
INVESTMENT BANKERS

Loxin



LOXIN

Design and manufacture of large machine tools for the aerospace and railway sectors in Spain

- Acquired By -



COMSA
EMTE



GLOBALM&A
PARTNERS


Airline Services Holdings



Airline Services

Maintenance, repair and overhaul services to airlines and aviation businesses in the U.K.

- Management Buyout Backed By -



LDC



GLOBALM&A
PARTNERS

E. Winkemann GmbH & Co. KG



E. WINKEMANN
PRÄZISIONSSTANZTEILE

Manufacturer of precision metal parts for the aerospace industry

- Acquired By -



EQUISTONE



GLOBALM&A
PARTNERS

Hutchinson SA



HUTCHINSON®

Manufacturer of thermal and acoustics insulation materials

- Buy-Side Advisory Services -



GLOBALM&A
PARTNERS



M&A Trends, Activity, and Public Comps

Industry M&A Trends

Twice a year, Meridian Capital publishes its *Aerospace and Defense M&A Update*, which focuses on key trends in the aerospace and defense M&A market. The Winter edition focuses on activity within the aerospace aftermarket, the impact of trade tensions, and consolidation among tier I suppliers and defense contractors.

Overall, 2018 is proving to be another strong year in aerospace and defense M&A activity. Total deal value reached \$30.3 billion through Q3 of 2018, representing a 48 percent increase over the 10-year average for the same period. With 290 total transactions, deal volume also remained higher than the 10-year average.¹

- ❑ The Maintenance, Repair, and Overhaul ("MRO") market is projected to achieve consistent growth over the next 10 years, growing at a CAGR of 4.0%.² Both Boeing and Airbus have announced strategic plans to make MRO products and services a key growth focus. Boeing has specifically set a \$50 billion goal for aftermarket service revenue by 2028; a number that would triple its current revenue from the aftermarket.
- ❑ Strategic focus and investments by Boeing and Airbus are expected to drive significant consolidation and valuation premiums within the MRO segment over the next three to five-plus years.
- ❑ Private equity investors have taken notice of the attractiveness and growth within the MRO sector and are actively looking to gain exposure. In July, Vance Street Capital made a platform investment in Seattle-based Jet Parts Engineering, a manufacturer of PMA parts for the aftermarket. Veritas Capital is planning a sale of StandardAero Aviation, the worlds largest MRO provider, to The Carlyle Group that could fetch over \$5 billion.³ Veritas is a prime example of a private equity investor that could secure a large return on an MRO investment. TAT Group also announced that it will divest a majority stake of MRO specialist, Sabena Technics, to a consortium of private equity firms. The acquisition is expected to be finalized in the second quarter of 2019, subject to regulatory approvals.
- ❑ As Boeing prepares for the 2025 launch of its new 797 family aircraft, it is positioning to change its business model with the new aircraft to provide more aftermarket services. The newest mid-range jet is expected to achieve the majority of its revenue from life-cycle management services.⁴

Forecasted Global Commercial MRO Industry Growth (\$B)²



Continued Focus and Activity within the Aerospace Aftermarket

1) PwC
 2) Oliver Wyman
 3) Wall Street Journal
 4) CAPA – Centre for Aviation

Industry M&A Trends

Growing Trade Tensions Impact on the Aerospace M&A Market

- ❑ With increasing tariffs on key materials, the already stressed aerospace supply chain is expected to feel increased pressures from rising cost inputs. Mylene Scholnick, the Senior Advisor at international consulting firm ICF, believes that aircraft manufacturers have not yet felt the impact of tariffs stating, "the aerospace industry consumed about \$13 billion of raw materials in 2017; 9% being steel, 22% aluminum, and 30% titanium. The industry has not felt yet the change in policy but may in the upcoming months."
- ❑ Tariffs on production inputs are expected to impact the supply chain at all levels starting with Boeing. To offset this pressure, CFRA analyst Jim Corridore predicts that Boeing will push for lower costs from its key suppliers, encouraging consolidation down the supply chain to help combat cost increases.
- ❑ Ongoing trade disputes between the U.S. and China have already directly impacted cross-border transactions which require Chinese regulatory approval. United Technologies' \$30 billion acquisition of Rockwell Collins took longer than expected due to issues receiving Chinese approval. Additionally in the United States, the CFIUS approval process has presented a hurdle for Chinese direct investment in U.S. aerospace among other industries.

Consolidation Continues Amongst Major Tier I Suppliers

- ❑ Aerospace M&A activity in 2018 has been highlighted by a number of megadeals, with multiple transactions in excess of \$1 billion. Most recently, in October TransDigm Group announced intentions to acquire Bellevue-based Esterline Technologies for \$4 billion. The acquisition expands TransDigm's platform and fits well with its strategy of reducing supply chain pressures by acquiring companies that are sole suppliers of proprietary parts. Large acquisitions by tier I suppliers in 2018 are a continued trend from the prior year. In early 2017, Safran Group announced plans to acquire Zodiac Aerospace for \$8.2 billion which completed in late 2018. Also announced in 2017 was United Technologies' plan to acquire Rockwell Collins for \$30 billion. The deal closed in late November, 2018 and gave United Technologies enough scale to split off its aerospace business as a standalone company.
- ❑ Looking forward, these large transactions are expected to drive consolidation further down the supply chain as suppliers aim to differentiate themselves in a highly competitive environment.

Boeing Holds Private Conference with Suppliers

- ❑ In October, Boeing hosted a supplier conference to discuss potential new contract terms for companies that want to bid on jet interior deals. The meeting's intention was to streamline the bidding process to increase supply chain efficiencies for all future programs as well as encourage suppliers to accept new terms and conditions with price concessions.
- ❑ As Boeing continues to pressure suppliers for lower prices and increased build rates, proactive suppliers are making significant investments to train and expand their workforce and upgrade equipment to further optimize their cost structure. This pattern is driving numerous sub-\$100 million revenue suppliers to pursue strategic acquisitions, partnerships, or outside investments to provide incremental capital, manufacturing capabilities, and capacity necessary to meet Boeing's demand.
- ❑ Notable examples of suppliers making strategic acquisitions in response to supply chain pressures include Consolidated Precision Products' acquisition of Oregon-based Selmet and Cadence Aerospace's acquisition of Perfekta.

Industry M&A Trends

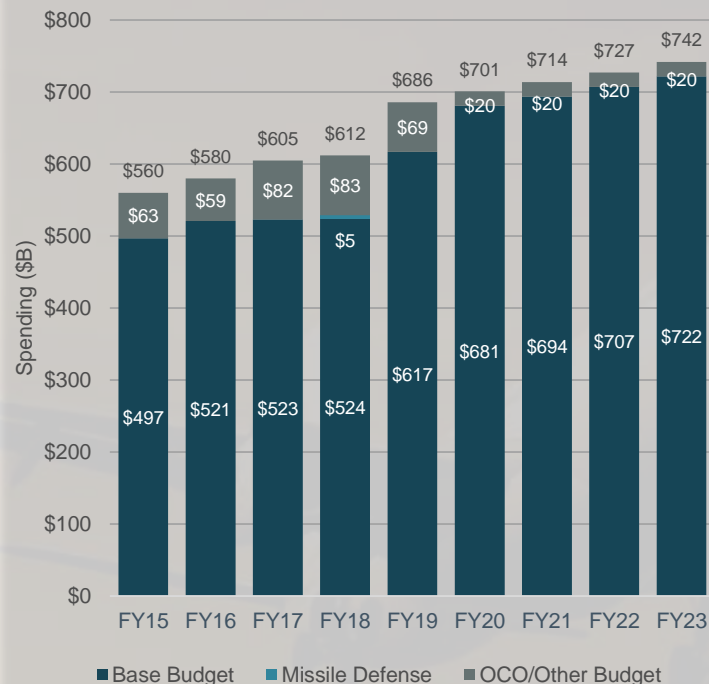
Defense Market Strength Drives Private Equity Interest

- ❑ In early 2018, the Trump administration released its second full defense budget request. The proposed budget for FY19 is \$686 billion, representing a 12% YoY increase.
- ❑ The positive spending outlook for the defense industry combined with its historically low levels of cyclicality make it an attractive segment for private equity and strategic investors.
- ❑ With a decreasing in-theater presence, defense spending is being focused on cybersecurity, IT services, and C4ISR.
- ❑ The cybersecurity and engineered services and products subsectors attracted strong private equity interest in 2018. Notable deals included Arlington Capital Partners' acquisition of Dependable Global Solutions as well as Veritas Capital's portfolio company, Alion Science & Technology, announcing intentions to acquire MacAulay-Brown. The engineered services and products subsector saw investments from AE Industrial Partners with its purchase of Gryphon Technologies as well as Argosy Private Equity with its acquisition of Capewell Aerial Systems.
- ❑ Private equity firms have been expanding their defense industry coverage to better position themselves within the sector. In 2018, private equity firms Gemspring Capital and Liberty Hall Capital Partners both appointed four-star generals as advisors to further strengthen their defense expertise.

Consolidation Among Large Defense Contractors Focused on Technology

- ❑ As a key part of its strategy to improve defense capabilities, the U.S. military has put considerable emphasis on investment in defense technology. The latest defense budget indicated a 24% increase in Research, Development, Test, and Evaluation ("RDT&E") spend between FY17 and FY19.
- ❑ With the Department of Defense outlining its highest priorities relating to technological advancements, major defense contractors are looking to enhance technological capabilities through acquisition, driving consolidation within the industry. In October the merger between Harris and L3 Technologies was announced, creating the seventh largest defense contractor in the world. As two of the industry's largest R&D spenders, the new entity is expected to emphasize the development of high-tech products. Other notable defense technology acquisitions include Northrop Grumman's \$7.8 billion acquisition of Orbital ATK in September along with General Dynamics' \$9.7 billion acquisition of CSRA.

U.S. Department of Defense Budget



Select Transaction Case Studies

BBA Aviation



Firstmark
CORPORATION

Acquired in September 2018

Target Description: Leading provider of highly engineered, proprietary components and subsystems for the aerospace and defense industries.

Investment Rationale: Firstmark will be a part of Ontic, BBA's Aftermarket Services business. The acquisition will provide access to a range of growth opportunities across various established strategic platforms.

Buyer Quote: "This acquisition fully supports the strategic growth of Ontic by expanding the portfolio of proprietary products on established civil and military aircraft platforms and by adding footprint on the U.S. East Coast." – Mark Johnstone, CEO of BBA

CPP
Consolidated Precision Products



SELMET, INC.

Acquired in August 2018

Target Description: Leading manufacturer of small and medium size titanium castings for the aerospace sector.

Investment Rationale: With the acquisition of Selmet, CPP will expand its offering to include titanium castings.

Buyer Quote: "We have long admired Selmet's world-class technical capabilities, longstanding customer relationships, strong management team, and track record of growth." – James Stewart, CEO of CPP

Vance Street | Capital LLC



JET PARTS
ENGINEERING, INC.

Acquired in July 2018

Target Description: Leading designer of proprietary OEM-alternative parts and repair services for the commercial aerospace industry.

Investment Rationale: The recapitalization is Vance Street's fifth platform investment in their latest fund. They will leverage their expertise in aerospace and highly-engineered components.

Buyer Quote: "The JPE transaction embodies all of the key characteristics our firm looks for in a deal – the opportunity to partner with a world-class management team, a business with a strong position in a growing market, and a business model that is 100% proprietary and aftermarket." – Richard Crowell, Managing Partner at Vance Street

Precision Machining
MECADAQ
GROUP



Hirschler
MANUFACTURING

Acquired in May 2018

Target Description: Producer of high-precision mechanical parts made from hard metals such as titanium, stainless steel, and inconel.

Investment Rationale: By joining the Mecadaq Group, Hirschler Manufacturing brings its customer portfolio, a recognized know-how in producing critical, complex parts, and high quality service.

Buyer Quote: "It is quite an accomplishment for our company with the opportunity to accelerate our growth in North America and also to work directly with 'The Boeing Company' as a tier 1 supplier of detail parts." – Julien Dubecq, President of Mecadaq Group

Notable Recent Transactions – Aerospace

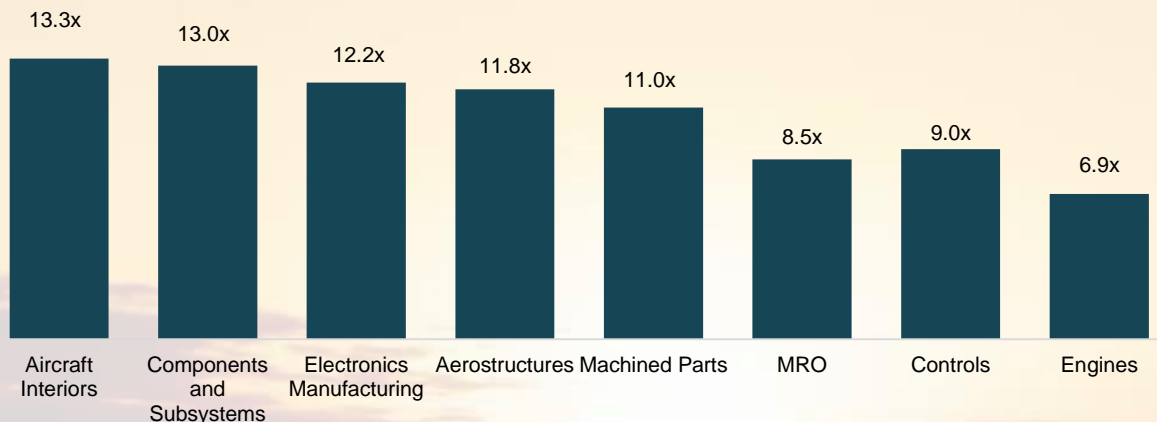
Date	Target	Buyer	Segment	EV (\$M)	EV / Revenue	EV / EBITDA
Announced	Sabena Technics	Bpifrance; TowerBrook; Sagard	MRO	-	-	-
Nov-18	Magellan Distribution (A&D Division)	Electronic Connector Company	MRO	-	-	-
Nov-18	Silver Wings Aerospace	Wencor Group	MRO	-	-	-
Nov-18	Bombardier Inc. (Dash 8 Program)	Longview Aviation	Aircraft	\$300.0	-	-
Nov-18	Voyager Jet Center	Lynx FBO Network	MRO	-	-	-
Oct-18	Aries Alliance	Astorg Partners	Machined Parts	-	-	-
Oct-18	Carmel Forge	Bet Shemesh Engines	Components and Subsystems	-	-	-
Oct-18	PenAir	Ravn Alaska	Airline	\$12.3	-	-
Oct-18	Aspect Aircraft Maintenance	Textron Aviation	MRO	-	-	-
Oct-18	PDQ Airspares	Aircraft Fasteners International	MRO	-	-	-
Oct-18	KLX Aerospace Solutions	Boeing	Components and Subsystems	\$3,922.3	2.0x	12.6x
Oct-18	Esterline Technologies	TransDigm Group	Avionics and Controls	\$3,649.0	1.8x	12.6x
Oct-18	The Atlas Group	Forming and Machining Industries	Components and Subsystems	-	-	-
Oct-18	Compania Espanola de Sistemas Aeronauticos	Heroux-Devtek	Components and Subsystems	\$206.1	-	-
Sep-18	Firstmark	BBA Aviation	Components and Subsystems	\$97.0	3.6x	-
Sep-18	AOG Aviation Spares	Desser Tire & Rubber	MRO	-	-	-
Sep-18	GE (Aircraft Component Unit)	ST Engineering	Components and Subsystems	\$630.0	-	-
Sep-18	Triumph Processing	Valence Surface Technologies	MRO	-	-	-
Aug-18	Future Tech Metals	Avem Partners	Machined Parts	-	-	-
Aug-18	Selmet	Consolidated Precision Products	Machined Parts	-	-	-
Jul-18	Precision Aviation Group	GenNx360	MRO	-	-	-
Jul-18	Jet Parts Engineering	Vance Street Capital	MRO	-	-	-

Notable Recent Transactions – Aerospace

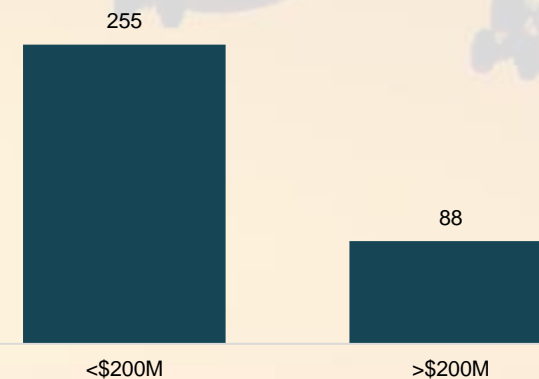
Date	Target	Buyer	Segment	EV (\$M)	EV/ Revenue	EV/ EBITDA
Jul-18	Northern Aerospace	Gardner Group	Machined Parts	\$77.1	-	-
Jul-18	Berry Aviation	Acorn Growth Companies	MRO	-	-	-
Jul-18	Perfekta	Cadence Aerospace	Machined Parts	-	-	-
Jul-18	CAD Enterprises	Hickok	Machined Parts	\$21.0	0.7x	-
Jun-18	L-3 Communications Vertex Aerospace	American Industrial Partners	MRO	\$540.0	-	-
May-18	Hirschler Manufacturing	Mecadaq Group	Components and Subsystems	-	-	-
May-18	Worthington Aviation Parts	Air T	Components and Subsystems	\$3.5	-	-
Apr-18	Blair-HSM	Magaghi Aeronautica	Machined Parts	-	-	-
Apr-18	Universal Avionics Systems	Elbit Systems	Avionics and Controls	\$120.0	-	-
Apr-18	AeroCision	Bromford Industries	Components and Subsystems	-	-	-
Mar-18	Blast Deflectors	Hanover Partners	Ground Support Equipment	-	-	-

Highlighted transactions indicate Meridian Capital transactions

Transaction Multiple by Segment*



Transaction Volume by EV*



*Transactions completed since 2010 with an EV/EBITDA multiple reported

Notable Recent Transactions – Defense

Date	Target	Buyer	Segment	EV (\$M)	EV / Revenue	EV / EBITDA
Dec-18	Navistar Defense	Cerberus Capital Management	Vehicles	-	-	-
Nov-18	Israel Military Industries	Elbit Systems	Weapons	\$522.0	-	-
Oct-18	L3 Technologies; Harris	Merger of Equals (L3 Harris Technologies)	Defense Technology	-	-	-
Sep-18	STAPP	Pamica	Military Training Equipment	-	-	-
Sep-18	Gryphon Technologies	AE Industrial Partners	Engineering Services	-	-	-
Sep-18	Capewell Aerial Systems	Argosy Private Equity	Aerial Delivery Products	-	-	-
Sep-18	Axon Enterprise	Ladenburg Thalmann Financial Services	Electronic Devices	-	-	-
Aug-18	Ausley Associates	MAG Aerospace, New Mountain Capital	Security Services	-	-	-
Aug-18	MacAulay-Brown	Alion Science & Technology, Veritas Capital	Engineering and Cybersecurity	-	-	-
Aug-18	General Dynamics (Systems Engineering and Acquisition Support Services Business Unit)	CACI International	Systems Engineering	\$84.0	-	-
Jul-18	Dependable Global Solutions	Arlington Capital Partners	Cybersecurity	-	-	-
Jul-18	Effectiva	BMT Group	Engineering Services	-	-	-
Jul-18	Aitech Rugged Group	FIMI Opportunity Funds	Computing Technologies	\$30.0	0.9x	7.5x
Jun-18	WeWi Applied Research	Utopya Innovations	Research and Development	-	-	-
Jun-18	Orbital ATK	Northrop Grumman	Aircraft Technology	\$7,800.0	1.8x	13.0x
May-18	Cubic Global Defense Services	Valiant Integrated Services	Training	\$138.0	-	-
May-18	LinQuest	CoVant, Madison Dearborn Partners	Technology Services	-	-	-
May-18	Enertec Systems	Coolisys Technologies	Electronic Systems	\$9.1	1.1x	-
Apr-18	CSRA	General Dynamics	Technology Services	\$9,700.0	1.9x	12.6x

Select Public Companies

\$ in M

Company Name	Market Cap	EV	LTM		EV/LTM		LTM Margin	52-Week Change
			Rev	EBITDA	Rev	EBITDA		
Aerospace								
The Boeing Company (NYSE:BA)	200,242	202,208	96,943	12,955	2.1x	15.6x	13.4%	5.0%
United Technologies Corporation (NYSE:UTX)	95,326	123,739	64,137	11,489	1.9x	10.8x	17.9%	(19.5%)
Airbus SE (ENXTPA:AIR)	80,312	82,830	82,301	9,214	1.0x	9.0x	11.2%	(7.3%)
Safran SA (ENXTPA:SAF)	52,055	57,046	21,854	4,492	2.6x	12.7x	20.6%	10.8%
TransDigm Group Incorporated (NYSE:TDG)	18,456	29,260	3,538	1,778	7.7x	16.5x	50.3%	19.5%
Textron Inc. (NYSE:TXT)	11,643	14,216	14,239	1,935	1.0x	7.3x	13.6%	(20.2%)
MTU Aero Engines AG (XTRA:MTX)	10,011	10,763	6,212	928	1.7x	11.6x	14.9%	7.2%
HEICO Corporation (NYSE:HEI)	9,305	10,014	1,778	453	5.6x	22.1x	25.5%	26.7%
Spirit AeroSystems Holdings, Inc. (NYSE:SPR)	8,237	9,449	7,101	1,044	1.3x	9.0x	14.7%	(19.6%)
Hexcel Corporation (NYSE:HXL)	5,199	6,142	2,140	488	2.9x	12.6x	22.8%	(6.0%)
Kaman Corporation (NYSE:KAMN)	1,607	1,885	1,848	101	1.0x	18.6x	5.5%	(5.3%)
Senior plc (LSE:SNR)	1,141	1,336	1,395	169	1.0x	7.9x	12.1%	(32.5%)
Triumph Group, Inc. (NYSE:TGI)	685	2,280	3,360	(273)	0.7x	NM	(8.1%)	(53.1%)
Ducommun Incorporated (NYSE:DCO)	425	651	607	39	1.1x	16.6x	6.4%	25.2%
Median	9,658	10,388	4,875	986	1.5x	12.6x	14.1%	(5.7%)
Mean	35,332	39,416	21,961	3,201	2.3x	13.1x	15.8%	(4.9%)
Defense								
Lockheed Martin Corporation (NYSE:LMT)	78,928	92,816	54,283	7,793	1.7x	11.9x	14.4%	(17.4%)
General Dynamics (NYSE:GD)	48,104	60,175	34,092	4,889	1.8x	12.3x	14.3%	(22.2%)
Raytheon Company (NYSE:RTN)	45,413	48,393	26,481	3,778	1.8x	12.8x	14.3%	(19.4%)
Northrop Grumman Corporation (NYSE:NOC)	44,735	57,396	28,290	4,866	2.0x	11.8x	17.2%	(18.8%)
Thales S.A. (ENXTPA:HO)	25,442	23,011	19,238	2,208	1.2x	10.4x	11.5%	8.3%
BAE Systems plc (LSE:BA.)	20,097	22,846	23,642	2,006	1.0x	11.4x	8.5%	(22.0%)
L3 Technologies, Inc. (NYSE:LLL)	13,630	16,550	9,573	1,245	1.7x	13.3x	13.0%	(16.2%)
Elbit Systems Ltd. (TASE:ESLT)	5,279	5,828	3,615	428	1.6x	13.6x	11.8%	(13.2%)
Kratos Defense & Security Solutions, Inc. (NasdaqGS:KTOS)	1,498	1,605	769	14	2.1x	NM	1.9%	30.5%
Median	\$25,442	\$23,011	\$23,642	\$2,208	1.7x	12.1x	13.0%	(17.4%)
Mean	\$31,458	\$36,513	\$22,220	\$3,025	1.7x	12.2x	11.9%	(10.0%)

As of 1/14/2019

Exceptional Results Delivered



Brian Murphy
President and Managing Director
Seattle
o: 206.224.6156
e: bmurphy@meridianllc.com

Kristin Brandtner
Vice President
Seattle
o: 206.453.6817
e: kbrandtner@meridianllc.com

Aaron Franzheim
Associate
Seattle
o: 206.582.3890
e: afranzheim@meridianllc.com

Ty Kjellesvik
Analyst
Seattle
o: 206.774.8400
e: tkjellesvik@meridianllc.com

Mark Mennella
Industry Advisor
Seattle
o: 206.799.7755
e: mmennella@meridianllc.com