

Table of Contents

Industry Overview

Global Comparable Public Companies

Global Transactions

About Seale

4

5

11

13



Introduction

We are pleased to share our Aerospace and Defense Industry Multiples Valuation Update for Q4 2024.

At Seale & Associates, we are committed to providing process-driven solutions designed to optimize value and achieve our client's strategic objectives in a range of transactions, including Mergers, Acquisitions, Divestitures and Carve-Outs, Business Sales, Recapitalizations, and Joint Ventures, among other corporate finance and strategy consulting services.

Over the course of 25+ years, we have successfully served clients all over the world, and we are delighted to continue providing investment banking advisory services to our clients who are looking to grow through acquisitions or optimize their portfolios through strategic divestitures.

Seale has extensive experience advising leading multinational companies, private equity firms, and family-owned businesses across a wide range of industries.



James A. Seale | President jseale@sealeassociates.com



Brett M. Carmel | Senior Managing Director bcarmel@sealeassociates.com



Robert Whitney | Managing Director rwhitney@sealeassociates.com



Sergio Garcia del Bosque | Managing Director sgarcia@sealeassociates.com



Carlos Hernández Goudet | Managing Director chernandez@sealeassociates.com



Alejandro Montemayor | Vice President amontemayor@sealeassociates.com



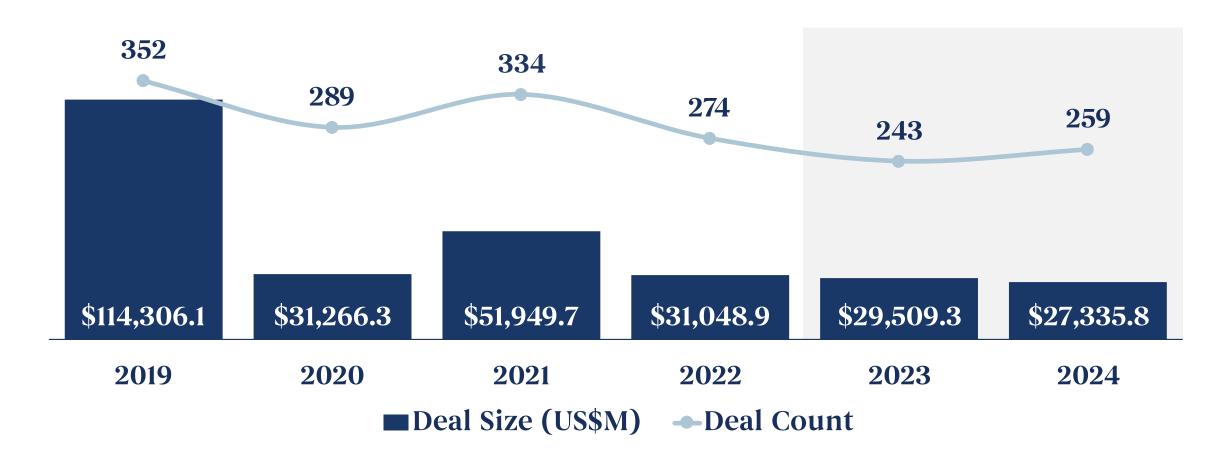
Armando Rios | Vice President arios@sealeassociates.com

Aerospace & Defense Industry Overview, M&A Trends and Market Intelligence

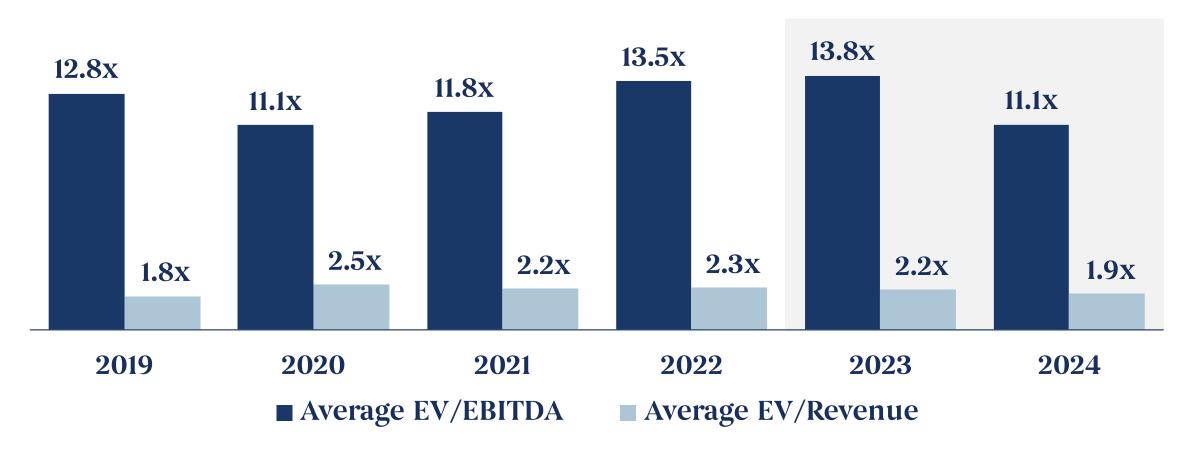
Aerospace & Defense (A&D) overview

- The A&D market is expected to grow to US\$1,234.4 billion by 2028, representing a CAGR of 5.8%
- Mid-size transactions dominated the M&A landscape in 2024. Both corporate and private equity investors focus on strategic areas, such as space and propulsion systems, to build out capabilities and programs
- A&D companies are increasingly targeting acquisitions in emerging technologies, including unmanned aircraft, hypersonic, cybersecurity, and space. These areas are seen as critical for future growth and maintaining a competitive edge
- Airlines are keeping aging fleets in service due to ongoing supply chain disruptions, inflation, and labor challenges. These factors are boosting demand for maintenance, repair, overhaul (MRO), and aftermarket services, creating opportunities for consolidation and investment
- Ongoing innovation and a shift towards agile technology platforms, influenced by the conflicts in Ukraine and the Middle East, emphasize the need for legacy platforms, replenishing depleted stockpiles, and investing in the critical defense industrial base, driving deal activity
- Companies in the sector are concentrating on **long-term innovation** and are financing these priorities **by divesting non-core assets**, leading to increased deal opportunities

Aerospace and Defense Industry M&A Deal Size and Volume



Aerospace and Defense Industry M&A Average EV/EBITDA and EV/Revenue



Selected OEM's Global Comparable Public Companies

	Coulobra	Market	Enterprise	Revenue	EBITDA	Annual Average EV/EBITDA		Fourth Quarter Dec. 31, 2024	
Company	Country	Cap. US\$M	Value US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Airbus SE	AIRBUS NLD	\$126,493	\$126,907	\$69,779	10.0%	11.3x	12.9x	18.3x	1.8x
Bombardier Inc.	BOMBARDIER CAN	\$6,701	\$11,829	\$8,619	12.2%	26.1x	13.8x	11.3x	1.4x
Dassault Aviation société anonyme		\$15,933	\$7,026	\$5,381	17.5%	6.9x	6.1x	7.5x	1.3x
Embraer S.A.	EMBRAER BRA	\$6,674	\$8,053	\$5,078	7.6%	14.3x	27.9x	20.8x	1.6x
General Dynamics Corporation	GENERAL DYNAMICS USA	\$72,335	\$81,401	\$46,046	12.7%	13.4x	13.1x	13.9x	1.8x
Northrop Grumman Corporation	NORTHROP GRUMMAN USA	\$68,373	\$82,793	\$40,985	12.1%	9.5x	10.5x	16.6x	2.0x
Rolls-Royce Holdings plc	ROLLS ROYCE GBR	\$60,165	\$61,419	\$22,314	16.3%	9.9x	10.5x	16.8x	2.8x
Saab AB (publ)	SAAB SWE	\$11,285	\$11,381	\$5,333	11.7%	10.7x	14.5x	18.3x	2.1x
The Boeing Company	DEING USA	\$132,427	\$179,618	\$73,293	NM	208.1x	86.8x	NM	2.5x
Textron Inc.	TEXTRON USA	\$14,190	\$16,859	\$13,702	12.5%	11.0x	10.5x	9.8x	1.2x
Excluded from mean and median					Mean Median	12.6x 11.1x	13.3x 13.0x	15.9x 16.6x	1.8x 1.8x

Selected Structure and Manufacturers Global Comparable Public Companies

Company	Country	Market Cap.	Enterprise Value	Revenue EBITDA		Annual Average EV/EBITDA		Quarter 1, 2024	
Company	Country	US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
BAE Systems plc	BAE SYSTEMS GBR	\$42,900	\$53,149	\$30,745	14.1%	10.8x	11.3x	12.3x	1.7×
HEICO Corporation	HIEICO USA	\$28,674	\$31,305	\$3,858	26.8%	33.4x	31.5x	30.2x	8.1x
Hexcel Corporation	HEXCEL USA	\$5,079	\$5,781	\$1,903	19.5%	21.2x	19.2x	15.6x	3.0x
Howmet Aerospace Inc.	HOWMET USA	\$44,433	\$47,567	\$7,270	25.3%	14.9x	16.4x	25.9x	6.5x
Leonardo S.p.a.	ELEONARDO ITA	\$15,444	\$20,178	\$17,702	11.6%	5.7x	7.3x	9.8x	1.1×
Lockheed Martin Corporation	LOCKHEED MARTIN & USA	\$115,185	\$131,355	\$71,295	14.8%	14.3x	13.3x	12.5x	1.8x
RTX Corporation	RTX USA	\$154,025	\$192,836	\$79,042	16.5%	14.1x	14.0x	14.8x	2.4x
Spirit AeroSystems Holdings, Inc.	SPIRIT USA AEROSYSTEMS	\$3,996	\$8,925	\$6,478	NM	64.4x	179.9x	NM	1.4x
TransDigm Group Incorporated	TRANSDIGM USA	\$71,260	\$89,902	\$7,940	49.5%	21.5x	21.9x	22.9x	11.3x
Triumph Group, Inc.	TRIUMPH USA	\$1,443	\$2,304	\$1,212	13.8%	11.8x	11.7×	13.8x	1.9x
Excluded from mean and median					Mean Median	16.4x 14.6x	16.3x 15.2x	15.3x 14.8x	2.5x 2.2x

Selected North American Airlines Global Comparable Public Companies

			Market	Enterprise			Annual Average		Fourth Quarter	
Company		Country	Cap.	Value	Revenue	EBITDA	EV/EB	//EBITDA Dec. 31, 2		
			US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Air Canada	AIR CANADA	CAN	\$5,407	\$8,178	\$15,308	14.9%	15.2x	8.4x	3.6x	0.5x
Alaska Air Group, Inc. Alaska Air Group, Inc.			\$8,220	\$11,857	\$11,735	17.1%	8.0x	4.2x	5.9x	1.0x
Allegiant Travel Company	allegiant	USA	\$1,669	\$3,187	\$2,496	11.8%	12.2x	7.8x	10.8x	1.3x
American Airlines Group Inc.	American Airlines	USA	\$11,454	\$41,677	\$54,211	18.0%	16.8x	4.1x	4.3x	0.8x
Controladora Vuela Compañía de Aviación, S.A.B. de C.V.	volaris +	MEX	\$863	\$3,583	\$3,205	31.3%	5.4x	7.0x	3.6x	1.1x
Delta Air Lines, Inc.	▲ DELTA	USA	\$38,787	\$60,298	\$61,643	20.1%	21.0x	4.8x	4.9x	1.0x
JetBlue Airways Corporation	jetBlue	USA	\$2,726	\$7,559	\$9,327	13.2%	10.8x	4.7x	6.1x	0.8x
Southwest Airlines Co. Southwest		USA	\$20,163	\$19,876	\$27,376	NM	14.6x	4.1x	NM	0.7x
United Airlines Holdings, Inc.	UNITED	USA	\$31,934	\$51,129	\$57,063	20.4%	15.7x	3.6x	4.4x	0.9x
Excluded from mean and median						Mean	14.2x	4.8x	4.7x	0.9x
						Median	14.6x	4.7x	4.6x	0.9x

Selected International Airlines Global Comparable Public Companies

Company	Country	Market	Enterprise	nterprise Revenue Value		Annual Average EV/EBITDA		Fourth Quarter Dec. 31, 2024	
Company	Country	Cap. US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Air France-KLM SA	AIRFRANCEKLM FRA	\$2,209	\$14,190	\$32,083	12.1%	7.0x	2.9x	3.7x	0.4x
ANA Holdings Inc.	ANA JPN	\$8,566	\$9,721	\$13,693	15.6%	31.4x	7.5x	4.6x	0.7x
Cathay Pacific Airways Limited	CATHAY PACIFIC HKG	\$7,909	\$14,086	\$12,938	24.2%	51.9x	11.5x	4.5x	1.1x
Deutsche Lufthansa AG	← Lufthansa DEU	\$7,662	\$12,971	\$38,235	9.4%	15.2x	4.4x	3.6x	0.3x
easyJet plc	easyJet GBR	\$5,264	\$5,081	\$11,654	14.2%	6.4x	6.8x	3.1x	0.4x
International Consolidated Airlines Group S.A.	AG INTERNATIONAL GBR GROUP	\$18,349	\$25,041	\$32,381	18.6%	16.4x	4.8x	4.2x	0.8x
Japan Airlines Co., Ltd.	JAPAN JPN AIRLINES	\$6,921	\$8,325	\$11,021	17.3%	29.3x	9.8x	4.4x	0.8x
Korean Airlines Co.,Ltd.	KOREAN AIR KOR	\$5,650	\$9,645	\$12,024	NM	5.1x	3.3x	NM	0.8x
LATAM Airlines Group S.A.	> LATAM CHL	\$8,351	\$12,952	\$12,707	19.7%	53.8x	10.0x	5.2x	1.0x
Ryanair Holdings plc	TRYANAIR IRL	\$21,383	\$20,778	\$14,309	20.2%	49.7x	6.9x	7.2x	1.5x
Excluded from mean and median					Mean Median	23.1x 22.9x	6.7x 6.9x	4.1x 4.4x	0.8x 0.8x

Selected Avionics Providers Global Comparable Public Companies

Company	C	country	Market Enterprise Cap. Value		EBITDA	Annual Average EV/EBITDA		Fourth Quarter Dec. 31, 2024		
Company		Country		US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Aerospace Industrial Development Corporation	AIDC	TWN	\$1,289	\$1,876	\$1,149	11.8%	22.2x	18.4x	13.9x	1.6x
BAE Systems plc	BAE SYSTEMS	GBR	\$42,900	\$53,149	\$30,745	14.1%	10.8x	11.3x	12.3x	1.7x
DXC Technology Company	TECHNOLOGY	USA	\$3,617	\$7,348	\$13,262	13.5%	3.6x	6.7x	4.1x	0.6x
Honeywell International Inc.	Honeywell	USA	\$146,884	\$168,514	\$37,850	25.1%	16.2x	16.2x	17.7x	4.5x
L3Harris Technologies, Inc.	L3HARRIS™ FAST. FORWARD.	USA	\$39,883	\$52,318	\$21,142	17.5%	14.1x	15.3x	14.1x	2.5x
Safran SA SAFF		FRA	\$91,513	\$91,186	\$26,646	21.1%	16.5x	15.1x	16.2x	3.4x
Thales S.A.	THALES	FRA	\$29,481	\$34,344	\$19,883	14.2%	10.5x	11.0x	12.2x	1.7x
Excluded from mean and median						Mean Median	13.6x 14.1x	13.8x 15.1x	13.7x 13.9x	2.3x 1.7x

Selected MRO Service Global Comparable Public Companies

Company	Company		Market Cap.	Market Enterprise Cap. Value		EBITDA Margin	Annual Average EV/EBITDA		Fourth Quarter Dec. 31, 2024	
		Country	US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
AAR Corp.	AAR	USA	\$2,158	\$3,169	\$2,572	9.9%	11.1x	11.1x	12.5x	1.2x
Aerostar S.A.		ROM	\$269	\$215	\$118	21.6%	10.2x	8.2x	8.4x	1.8x
Latécoère S.A.	LATÉCOÈRE	FRA	\$131	\$362	\$690	NM	NM	39.1x	38.9x	0.5x
MTU Aero Engines AG		DEU	\$17,943	\$18,621	\$7,243	16.2%	15.4x	14.8x	15.9x	2.6x
Singapore Technologies Engineering Ltd ST Engineering		SGP	\$10,635	\$15,027	\$7,883	13.7%	14.6x	14.7x	13.9x	1.9x
Excluded from mean and median						Mean	12.9x	12.2x	12.7x	1.6x
NM: Not measureable						Median	12.9x	14.7x	13.9x	1.8x

Aerospace & Defense Industry - Global Transactions (1/2)

Date	Target	Country	Description	Buyer	Seller	% Acquired	Size US\$M	EV/ EBITDA	EV/ Revenue
Dec-24	PIAGGIO AEROSPACE	ITA	Baykar Makina Sanayi , a leading Turkish manufacturer of unmanned aerial systems, acquired Piaggio Aero Industries , an Italian aerospace company specializing in aircraft production, to enhance its aerospace capabilities and expand its European presence	BAYKAR	-	100.0%	-	-	-
Dec-24*	AVICOPTER PLC	CHN	AviChina Industry & Technology Company , a major Chinese aerospace and defense corporation, agreed to acquire Avicopter Plc , a leading helicopter manufacturer	AVICHINA	-	2.3%	\$1,204.0	57.7x	1.5x
Dec-24*	NO • KRAMP	USA	SPX Technologies , a diversified industrial technology provider, agreed to acquire Kranze Technology Solutions , a leader in advanced aerospace and defense solutions, to expand its capabilities in military technology and defense systems	SPX®	-	100.0%	\$350.0	-	-
Dec-24	RICARDO	USA	Gladstone Investment , a private equity firm, acquired Ricardo Defense Systems , an engineering and systems integration company serving the U.S. Department of Defense, to enhance its portfolio in defense and government services	GLADSTONE INVESTMENT	-	100.0%	\$85.0	-	0.5x
Nov-24*	BLUEHALO	USA	AeroVironment , a leader in unmanned aircraft systems and defense technologies, agreed to acquire BlueHalo LLC , a provider of advanced solutions for defense and aerospace	AeroVironment [™]	A C P	100.0%	\$4,100.0	-	4.6x
Nov-24*	Quickstep	AUS	ASDAM Operations, an Australian investment company, agreed to acquire Quickstep Holdings, a leading aerospace composites manufacturer, to drive innovation in advanced manufacturing and expand its aerospace portfolio	ASDAM Operations	-	100.0%	\$42.1	11.9x	0.7x
Nov-24*	GLOBAL ATS MICRONAV	GBR	Indra , a global technology and consulting company, acquired Micro Nav , a UK-based provider of air traffic control simulation systems, and Global ATS , a UK-based provider of air traffic control training services	ındra	QUADRANT GROUP	100.0%	-	-	-
Oct-24*	Flight Operations System Business of Collins Aerospace	USA	Portside , a provider of software solutions for business aviation, agreed to acquire the Flight Operations System business of Collins Aerospace to enhance its operational software offerings and expand its aviation technology portfolio	PORTSIDE 000	Collins Aerospace	100.0%	-	-	-

Source: Capital IQ

Aerospace & Defense Industry - Global Transactions (2/2)

Date	Target	Country	Description	Buyer	Seller	% Acquired	Size US\$M	EV/ EBITDA	EV/ Revenue
Oct-24	TURBINEAEROS	USA	Snow Peak Capital , a private equity firm, acquired TurbineAero , a global leader in aerospace maintenance, repair, and overhaul (MRO) services	SNOW PEAK C A P I T A L	TGG THE GORES GROUP	100.0%	-	-	-
Oct-24	Eurocopter Kazakhstan Engineering	KAZ	Airbus Helicopters , a global leader in helicopter manufacturing, acquired Eurocopter Kazakhstan Engineering to strengthen its footprint in Central Asia and enhance local operational capabilities	AIRBUS HELICOPTERS	-	40.0%	-	-	-
Oct-24	The Future of Connectivity	CAN	Firan Technology Group , a manufacturer of aerospace and defense electronic products, acquired FLYHT Aerospace Solutions , a provider of real-time data solutions for aviation	THE STATE OF THE S	Bleichroeder LP	100.0%	\$18.0	NM	1.3×
Oct-24	FRECISION SOLUTIONS	GBR	PTC Industries Limited, a manufacturer of high-precision engineered components, acquired Trac Precision Machining Limited, a supplier of machined components for aerospace and defense	PTC INDUSTRIES	Rcapital	100.0%	-	-	-
Oct-24	STS Aviation Group	USA	H.I.G. Capital , a private equity fund, acquired STS Aviation Group , a leading provider of aircraft maintenance, engineering, and staffing solutions, to enhance its portfolio in the aerospace services sector	H. I. G.	GREENBRIAR EQUITY GROUP, L.P.	100.0%	-	-	-
*Annound	ced transactions pending a	approval an	d other customary closing conditions				Mean	11.9x	1.7x
NM: Not m	neasureable						Median	11.9x	1.3x

Source: Capital IQ 12

Sector Relevant Experience



























Acquisition **Advisory** Services



Acquisition Advisory Services









Sector Relevant Experience

- Extensive M&A transaction experience, including
- Advised Lockheed Martin Corporation, a global Aerospace and Defense company, on the sale of its commercial flight training business to Alteon, a full-service provider of airline training solutions and a subsidiary of The Boeing Company
 - Seale focused marketing materials on synergies with buyer's business and demonstrated premium pricing rationale through proforma financials
- Advised Triumph Group Inc. on the sale of its Triumph Air Repair business, a provider of APU maintenance and overhauls solutions, and Triumph Engines Tempe business, a vertically integrated provider of engine component repair and manufacturing services, to The Gores Group
 - The assignment included the sale of a niche provider of hot-section component manufacturing and repair services for original equipment manufacturers, aircraft operators, and repair and overhaul providers
- Advised Triumph Group Inc. on the sale of its Nashville operations to affiliates of TECT Aerospace
 - The Nashville operations offer vertically integrated, build-to-print manufacturing of long-and-large structural parts to OEM customers
 - The assignment had a number of challenges and issues to resolve, including lack of standalone financial statements, accounting block / POC accounting, carve-out operations, declining volumes, restructured business and OEM assignments and approvals
- Advised RFE Investment Partners on the sale of PCX Texas from its PCX Aerosystems portfolio company. The Texas based operations offers large structural airframe parts and assemblies to premier aerospace OEMs and Tier 1 suppliers on a range of commercial and military platforms
 - Seale positioned the business on a go forward basis that included cost savings from recent restructuring efforts and presented a proforma illustration of performance under increased volumes





TGG GORES GROUP

Asia, and Triumph Engines

businesses



Aerospace



Sign up for M&A insights

We deliver sector-specific intelligence designed specifically for industry leaders, private equity firms, and their advisors. Our industry reports and featured articles deliver real-time access to key industry data, including:



Emerging industry trends

Quarterly reports covering 30+ industries

Monthly reports for the U.S., Mexico, and Colombia Transaction analysis and market trends

Valuable insights for industry leaders

Receive email updates with our proprietary data, reports, and insights as they are published for the industries that matter to you the most

SUBSCRIBE

Global M&A Representative Engagements

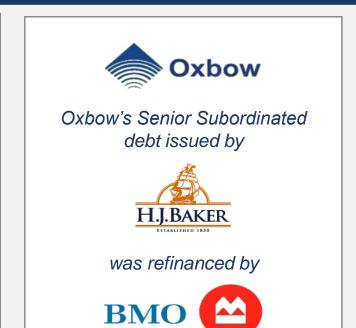


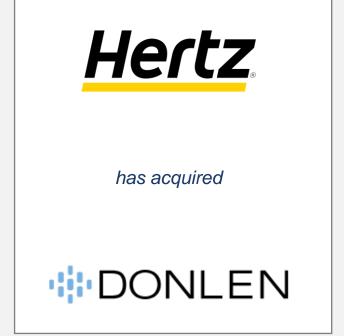














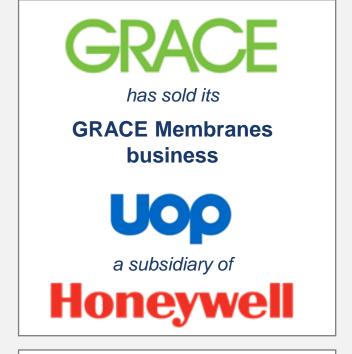






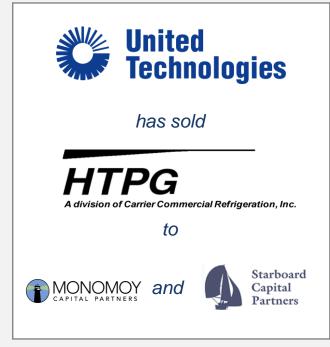




















Seale & Associates



JAMES A. SEALE President and Founder | Washington, DC



+1 (703) 623-9253

32+ years of global M&A experience, Attorney, CPA Arthur Andersen, and Professor of Global Investment Banking at George Washington University University of Virginia - JD University of Kentucky - BS in Accounting



SERGIO GARCIA DEL BOSQUE Managing Director | Mexico City, Mexico



+52 (55) 8000-7463

16+ years of global M&A experience IPADE - MBA Instituto Tecnologico y de Estudios Superiores de Monterrey BS in Industrial Engineering



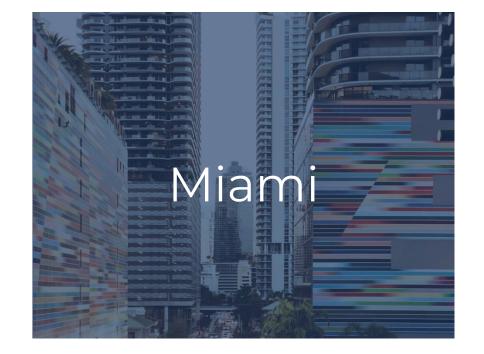
CARLOS HERNANDEZ GOUDET Managing Director | San Luis Potosi, Mexico



+1 (571) 482-3432

14+ years of global M&A experience Columbia University - MBA Instituto Tecnologico y de Estudios Superiores de Monterrey BS in Industrial Engineering







BRETT M. CARMEL

Senior Managing Director and Co-founder | Miami, FL



+1 (703) 294-6530

25+ years of global M&A experience and Professor of M&A at Johns Hopkins University

The George Washington University - MBA International Business and MA - International Affairs

University of Florida - BA in Political Science with High Honors



ROBERT E. WHITNEY Managing Director | Washington, DC





+1 (703) 801-8939

19+ years of global M&A experience, CPA Deloitte & Touche, Corporate Audit and Assurance Services University of Richmond - BS Business Administration in Accounting



FELIPE BUENO Senior Director | Monterrey, Mexico



+52 (84) 4432-4444

32+ years with Grupo Industrial Saltillo with experience as Director, Corp. Dev. and extensive global commercial experience Instituto Tecnologico y de Estudios Superiores de Monterrey MBA and BS in Industrial Engineering





Creative Solutions. Trusted Advice.

For over 25 years, Seale & Associates has served leading public and private companies from around the world and operating in a broad range of industries with a high level of quality, integrity and independence while presenting innovative ideas and trusted solutions to address their most complex dealings.

25

YEARS OF EXPERIENCE

\$50B+

TRANSACTIONS GLOBALLY

SERVICES AND SOLUTIONS

Mergers & Acquisitions

Divestitures

held companies.

Joint Ventures / Alliances

Recapitalizations

Due Diligence / Support

Expert Witness Testimony

Corporate Finance Advisory

Strategy Consulting

Trusted Advisor to Leading Companies Worldwide

We have worked repeatedly with many of the most well-known companies in the world...











































...as well as with reputable funds, family-offices and privately





























Seale & Associates

Creative Solutions. Trusted Advice.