



Introduction

We are pleased to share our Aerospace and Defense Industry Multiples Valuation Update for Q3 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

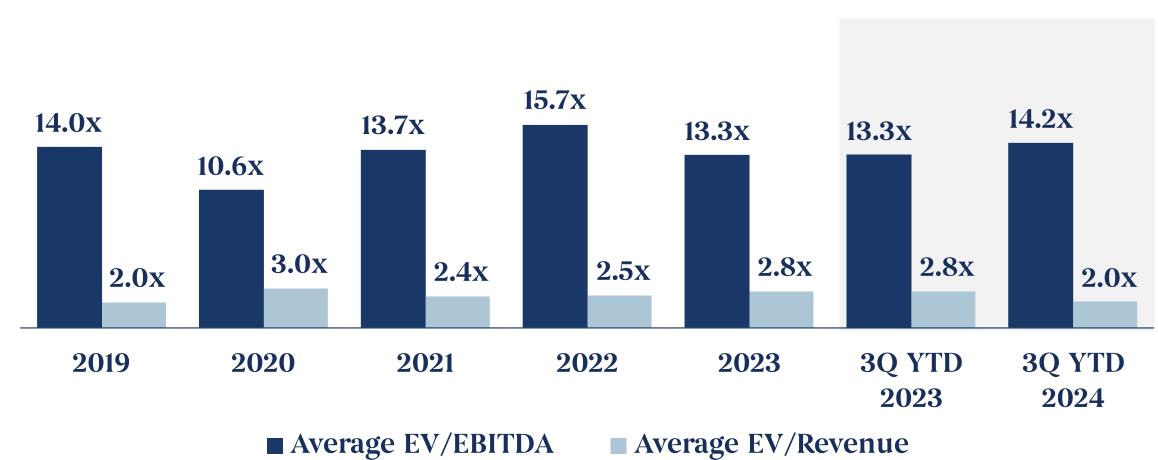
Aerospace & Defense (A&D) overview

- The A&D market is expected to grow to US\$1,234.4 billion by 2028, representing a CAGR of 5.8%
- The growth in the forecasted period can be attributed to government support, rising urbanization, the increasing use of lightweight materials, among others
- **Mid-size transactions** are expected to **dominate** 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

		Market	Enterprise Revenue		EBITDA	Annual Average EV/EBITDA		Third Quarter Sep. 30, 2024	
Company	Country	Cap. US\$M	Value US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Airbus SE	AIRBUS NLD	\$115,839	\$114,415	\$74,290	9.4%	11.3x	12.9x	16.4x	1.5x
Bombardier Inc.	BOMBARDIER CAN	\$7,529	\$12,907	\$8,402	12.2%	26.1x	13.8x	12.6x	1.5x
Dassault Aviation société anonyme	DASSAULT FRA	\$16,103	\$6,507	\$5,797	17.5%	6.9x	6.1x	6.4x	1.1x
Embraer S.A.	EMBRAER BRA	\$6,472	\$8,306	\$5,201	8.3%	14.3x	28.1x	19.2x	1.6x
General Dynamics Corporation	GENERAL DYNAMICS USA	\$82,904	\$92,661	\$46,046	12.1%	13.4x	13.1x	16.7x	2.0x
Northrop Grumman Corporation	NORTHROP USA	\$77,228	\$91,791	\$40,764	11.8%	9.5x	10.5x	19.1x	2.3x
Rolls-Royce Holdings plc	ROLLS	\$59,722	\$61,065	\$23,890	16.3%	9.9x	10.5x	15.6x	2.6x
Saab AB (publ)	SAAB SWE	\$11,359	\$11,651	\$5,819	10.9%	10.7x	14.5x	18.3x	2.0x
The Boeing Company	DEING USA	\$93,682	\$139,003	\$73,293	2.4%	208.0x	86.8x	78.1x	1.9x
Textron Inc.	TEXTRON USA	\$16,597	\$19,215	\$13,897	12.7%	11.0x	10.5x	10.9x	1.4x
Excluded from mean and median					Mean Median	12.6x 11.1x	13.3x 13.0x	15.0x 16.5x	1.8x 1.7x

Selected Structure and Manufacturers Global Comparable Public Companies

Company	Country	Market Cap.	Enterprise Value	Revenue EBITDA					Quarter 0, 2024
Company	Country	US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
BAE Systems plc	BAE SYSTEMS GBR	\$49,705	\$60,679	\$32,915	14.1%	10.8x	11.3x	13.1x	1.8x
HEICO Corporation	HEICO USA	\$31,406	\$33,849	\$3,780	26.8%	33.4x	31.5x	33.4x	9.0x
Hexcel Corporation	HEXCEL USA	\$5,054	\$5,768	\$1,887	19.3%	21.2x	19.2x	15.9x	3.1x
Howmet Aerospace Inc.	HOWMET AEROSPACE USA	\$40,917	\$44,037	\$7,093	24.4%	14.9x	16.4x	25.5x	6.2x
Leonardo S.p.a.	EDNARDO ITA	\$12,846	\$17,751	\$18,271	11.5%	5.7x	7.3x	8.5x	1.0x
Lockheed Martin Corporation	LOCKHEED MARTIN → USA	\$139,335	\$156,069	\$71,295	14.7%	14.3x	13.3x	14.9x	2.2x
RTX Corporation	RTX USA	\$160,910	\$200,161	\$79,042	12.3%	14.1x	14.0x	20.7x	2.5x
Spirit AeroSystems Holdings, Inc.	SPIRIT USA	\$3,791	\$7,741	\$6,447	NM	64.4x	179.9x	NM	1.2x
TransDigm Group Incorporated	TRANSDIGM USA	\$80,078	\$98,612	\$7,606	49.9%	21.5x	21.9x	26.0x	13.0x
Triumph Group, Inc.	TRIUMPH USA	\$997	\$1,804	\$1,209	13.1%	11.8x	11.7x	11.4x	1.5x
Excluded from mean and median					Mean Median		16.3x 15.2x	18.2x 15.9x	2.4x 2.4x

Selected North American Airlines Global Comparable Public Companies

Company		Country	Market	Enterprise	Revenue	EBITDA				Quarter 0, 2024
Company		Country	Cap. US\$M	Value US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Air Canada	AIR CANADA	CAN	\$4,349	\$7,566	\$16,480	16.4%	15.2x	8.4x	2.8x	0.5x
Alaska Air Group, Inc.	Alaska.	USA	\$5,704	\$7,070	\$10,521	18.1%	8.0x	4.2x	3.7x	0.7x
Allegiant Travel Company	allegiant	USA	\$974	\$2,495	\$2,499	12.7%	12.2x	7.8x	7.8x	1.0x
American Airlines Group Inc. American Airlines		USA	\$7,381	\$37,841	\$53,448	18.2%	16.8x	4.1×	3.9x	0.7x
Controladora Vuela Compañía de Aviación, S.A.B. de C.V.	volaris +	MEX	\$730	\$3,405	\$3,240	27.6%	5.4x	7.0x	3.8x	1.1×
Delta Air Lines, Inc.	▲ DELTA	USA	\$32,569	\$54,246	\$60,307	19.7%	21.0x	4.8x	4.6x	0.9x
JetBlue Airways Corporation	jetBlue	USA	\$2,275	\$6,784	\$9,315	12.0%	10.8x	4.7x	6.1x	0.7x
Southwest Airlines Co.	Southwest'	USA	\$17,753	\$16,860	\$27,031	NM	14.6x	4.1x	NM	0.6x
Spirit Airlines, Inc.		USA	\$263	\$6,828	\$5,127	5.2%	24.4x	10.0x	25.6x	1.3x
United Airlines Holdings, Inc.	UNITED	USA	\$18,763	\$37,769	\$55,994	20.9%	15.7x	3.6x	3.2x	0.7x
Excluded from mean and median						Mean Median	14.2x 14.9x	5.2x 4.8x	4.5x 3.9x	0.8x 0.7x

Selected International Airlines Global Comparable Public Companies

Company	Country	Market Enterprise Reve Cap. Value		Revenue	evenue EBITDA		Annual Average EV/EBITDA		uarter), 2024
Company	Country	US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Air France-KLM SA	AIRFRANCEKLM FRA	\$2,641	\$13,669	\$34,206	12.4%	7.0x	2.9x	3.2x	0.4x
ANA Holdings Inc.	ANA JPN	\$10,069	\$11,150	\$14,740	16.2%	31.4x	7.5x	4.7x	0.8x
Cathay Pacific Airways Limited	CATHAY PACIFIC HKG	\$6,919	\$13,095	\$12,935	24.2%	51.9x	11.5x	4.2x	1.0x
Deutsche Lufthansa AG	← Lufthansa DEU	\$8,782	\$15,111	\$40,674	9.8%	15.2x	4.4x	3.8x	0.4x
easyJet plc	easyJet GBR	\$5,249	\$5,053	\$11,728	11.5%	6.4x	6.8x	3.7x	0.4x
International Consolidated Airlines Group S.A.	AG INTERNATIONAL GBR GROUP	\$13,492	\$20,791	\$34,122	18.8%	16.4x	4.8x	3.2x	0.6x
Japan Airlines Co., Ltd.	JAPAN JPN AIRLINES	\$7,679	\$8,718	\$12,041	16.4%	29.3x	9.8x	4.4x	0.7x
Korean Airlines Co.,Ltd.	KOREAN AIR KOR	\$6,342	\$10,383	\$13,199	NM	5.1x	3.3x	NM	0.8x
LATAM Airlines Group S.A.	> LATAM CHL	\$7,793	\$13,307	\$12,487	18.8%	53.8x	10.0x	5.7x	1.1×
Ryanair Holdings plc	RYANAIR IRL	\$20,207	\$18,277	\$14,968	21.0%	49.7x	6.9x	5.8x	1.2x
Excluded from mean and median					Mean Median	23.1x 22.9x	6.7x 6.9x	4.3x 4.2x	0.7x 0.7x

Selected Avionics Providers Global Comparable Public Companies

Company		Country	Market Cap.	Enterprise Revenue Value		EBITDA	Annual Average EV/EBITDA		Third Quarter Sep. 30, 2024	
Company		Country	US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
Aerospace Industrial Development Corporation	AIDC	TWN	\$1,430	\$1,912	\$1,228	11.9%	22.2x	18.4x	13.1x	1.6x
BAE Systems plc	BAE SYSTEMS	GBR	\$49,705	\$60,679	\$32,915	14.1%	10.8x	11.3x	13.1x	1.8x
DXC Technology Company	TECHNOLOGY	USA	\$3,752	\$7,530	\$13,457	13.4%	3.6x	6.7x	4.2x	0.6x
Honeywell International Inc.	Honeywell	USA	\$134,294	\$154,087	\$37,334	25.1%	16.2x	16.2x	16.4x	4.1x
L3Harris Technologies, Inc.	L3HARRIS FAST. FORWARD.	5 ™ USA	\$45,125	\$57,894	\$20,765	17.8%	14.1x	15.3x	15.7x	2.8x
Safran SA	SAFRAN AEROSPACE · DEFENCE · SECUI	FRA FRA	\$98,976	\$98,624	\$28,705	21.1%	16.5x	15.1x	16.3x	3.4x
Thales S.A.	THALES	FRA	\$32,653	\$37,892	\$21,420	14.2%	10.5x	11.0x	12.5x	1.8x
Excluded from mean and median						Mean	13.6x	13.8x	14.5x	2.3x
						Median	14.1x	15.1x	13.1x	1.8x

Selected MRO Service Global Comparable Public Companies

Company	Company		Market Cap.	Enterprise Value	Revenue	EBITDA	Annual Average EV/EBITDA		Third Quarter Sep. 30, 2024	
		Country	US\$M	US\$M	US\$M	Margin	2022	2023	EV/ EBITDA	EV/ Revenue
AAR Corp.	AAR	USA	\$2,302	\$3,312	\$2,431	10.4%	11.1x	11.1x	13.1x	1.4x
Aerostar S.A.	AEROSTAR S.A. GRUP INDUSTRIAL AERONAUTIC BACAU-ROMANIA	ROM	\$300	\$247	\$125	23.7%	10.2x	8.2x	8.3x	2.0x
Latécoère S.A.	LATÉCOÈRE	FRA	\$125	\$564	\$631	NM	NM	39.1x	NM	0.9x
MTU Aero Engines AG	MTU Aero Engines	DEU	\$16,809	\$17,590	\$6,312	2.2%	15.4x	14.8x	128.2x	2.8x
Singapore Technologies Engineering Ltd	ST Engineering	SGP	\$11,327	\$16,000	\$8,388	13.7%	14.6x	14.7x	13.9x	1.9x
Excluded from mean and median						Mean	12.9x	12.2x	11.8x	1.8x
						Median	12.9x	14.7x	13.5x	1.9x

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

Date	Target	Country	Description	Buyer	Seller	% Acquired	Size US\$M	EV/ EBITDA	EV/ Revenue
Sep-24	GEM elettronica	ITA	Leonardo , manufacturer of technological capabilities for the A&D industry, acquired an addtional 35% stake in GEM Elettronica , producer of electronics for defense, strengthening its radar and systems applications	<i>% LEONARDO</i>	-	35.0%	\$17.8	-	1.5x
Sep-24*	Naval Propulsors & Handling business	USA	FMD , A&D hardware manufacturer, announced the acquisition of the Naval Propulsors & Handling business from Rolls-Royce Holdings	DEFENSE	ROLLS	100.0%	-	-	-
Sep-24*	Azure Summit Technology	USA	CACI , provider of defense solutions, announced the acquisition of Azure Summit , provider of RF hardware and software for national security	<u>CACI</u>	-	100.0%	\$1,275.0	-	-
Aug-24	AERO TURBINE INC.	USA	StandardAero , provider of aerospace engine aftermarket services, acquired Aero Turbine , provider of maintenance, repair and overhaul services for military engines and accessories	StandardAero	GALLANT CAPITAL	100.0%	\$655.0	-	2.0x
Aug-24*	TERRAN ORBITAL	USA	Lockheed Martin , global defense technology company, announced the acquisition of Terran Orbital , provider of satellite based solutions primarily supporting the A&D industry	LOCKHEED MARTIN	-	85.1%	\$256.6	-	1.9x
Aug-24	K SARIA	USA	ITT, manufacturer of highly engineered technology components and solutions, acquired kSARIA, manufacturer of mission-critical A&D connectivity solutions	♦ ITT	BEHRMAN CAPITAL	100.0%	-	-	2.7x

Source: Capital IQ

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

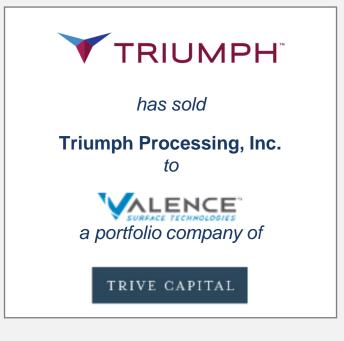
Date	Target	Country	Description	Buyer	Seller	% Acquired	Size US\$M	EV/ EBITDA	EV/ Revenue
Jul-24	BLACKSIGNAL	USA	Parsons , leading disruptive technology provider in national security, acquired BlackSignal , digital signal processing, electronic warfare, and cybersecurity provider built to counter near-peer threats	PARSONS	RAZOR'S EDGE	100.0%	\$200.0	-	-
Jul-24	HĒROUX DEVTEK	CAN	Platinum Equity, private equity firm, announced the acquisition of Héroux-Devetek , manufacturer of aerospace products and the world's third-largest landing gear manufacturer	Platinum Equity?	© CDPQ	100.0%	\$1,004.4	13.6x	2.1x
Jul-24	Goodrich Hoist & Winch	USA	Signia , manufacturer of components for the aerospace industry, acquired Goodrich Hoist & Winch , provider of rescue hoists and cargo winches for helicopters utilized by civil and military operators	SIGNIA AEROSPACE	Collins Aerospace	100.0%	\$497.0	-	-
Jul-24	SPIRIT AEROSYSTEMS ®	USA	Boeing , manufacturer of commercial airplanes, annound the acquisition of Spirit AeroSystems , manufacturer of aerostructures for commercial airplanes	BOEING	-	100.0%	\$8,588.0	-	1.3x
Jul-24	LINCUEST	USA	KBR , provider of engineering, technology and science solutions to governmental and private companies, acquired LinQuest , security space leader that enables defense and intelligence missions through advanced digital transformation solutions	KBR	MDP	100.0%	\$737.0	-	-
*Announ	ced transactions pending a	pproval an	nd other customary closing conditions				Mean	13.6x	1.9x
							Median	13.6x	1.9x

Source: Capital IQ 12

Sector Relevant Experience



























Acquisition **Advisory** Services



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-andlarge 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

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



HOLDINGS











BMO (A











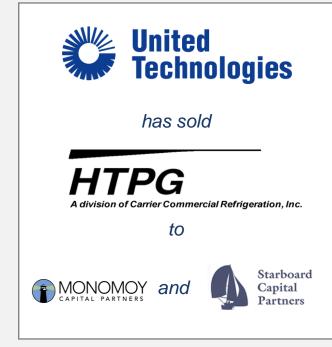




















Seale & Associates



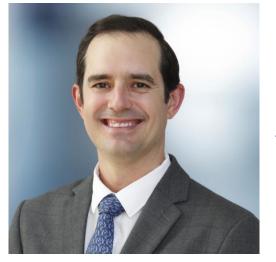
JAMES A. SEALE President and Founder | Washington, DC





+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



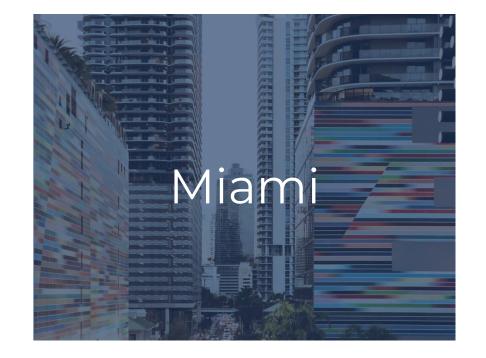
CARLOS HERNANDEZ GOUDET Managing Director | San Luis Potosi, Mexico



+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



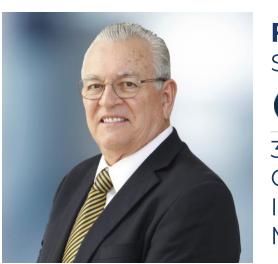
ROBERT E. WHITNEY Managing Director | Washington, DC





+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

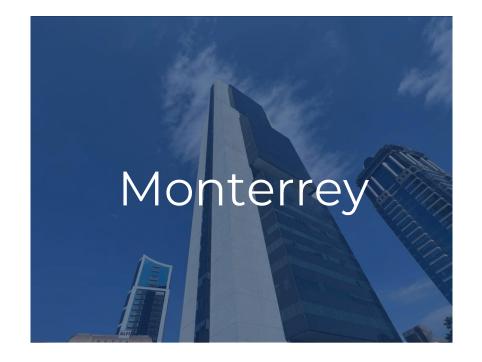


FELIPE BUENO Senior Director | Monterrey, Mexico



+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.