

Technology Group

Industrial Software

Supply Chain, Engineering, and Manufacturing Software

MARKET UPDATE SPRING 2023



Industrial Software Market Update

Dear Clients and Friends,

Houlihan Lokey is pleased to present the spring 2023 edition of its Industrial Software Market Update. We have continued adapting to a recovering market and remain active in advising our clients as they pursue M&A, financing, and other strategic initiatives. We have included industry insights, selected recent transaction announcements, and a public markets overview to help you stay ahead in our dynamic and constantly evolving industry.

Market Activity:

- M&A and financing activity across the sector increased slightly throughout Q1 2023 despite continuing macro headwinds. Additionally, market activity has shown indications for further improvement as we progress further into 2023:
 - ~\$5 billion of LTM financing activity as capital markets remain tight with investors focused on quality over quantity.
 - ~\$11 billion in LTM M&A deal volume⁽¹⁾ in line with a broader M&A slowdown in 2022.
- M&A and financing activity across industrial software will accelerate in 2023 as macroeconomic conditions improve and end customers look to drive operational efficiency to offset increased cost basis driven by inflation and cost of financing.

Regards,



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Representative Industry Subsectors Covered



















Recent Momentum in the Connected Worker Sector

Connected worker software is designed to enhance productivity, quality, and safety in manufacturing environments by providing real-time data, communication tools, and training resources to workers on the shop floor.



acquired by



 On January 2, 2023, QAD, a Thoma Bravo portfolio company, announced its acquisition of Redzone for an estimated amount of ~\$1B.⁽²⁾

 More than 1,000 plants and 300,000 frontline workers worldwide rely on Redzone's solutions to create a better employee experience for frontline teams.

Transaction Rationale

- The addition of Redzone's connected workforce product supercharges the QAD Adaptive Applications product suite by enabling QAD customers to drive rapid, tangible increases in empowerment, retention, and productivity on the frontline.
- Redzone's focus on people, their productivity, and their engagement addresses a primary area of opportunity for QAD customers.

~\$100M

FY23 Revenue Run Rate 35%

Organic SaaS Revenue Growth

300K

Frontline Workers

225+

Employees

Nugmentir

received a minority investment led by



- On April 18, 2023, Augmentir announced that it completed a new financing round for \$4M.
- Augmentir's software includes a complete suite of connected worker capabilities, connectors to business systems, and broad extensibility that enable manufacturers to digitize their frontline operations, reduce onboarding time, and increase workforce productivity.

Transaction Rationale

- The investment will be used to expand Augmentir's global sales and marketing efforts while accelerating product development and innovation.
- In addition to the funding news, Augmentir has also announced organizational growth, including two new additions to the company's leadership team. Kiyomi Otani joins the team as Vice President of Operations, and Carsten Hunfeld will become the company's Director for EMEA.

\$41M

Pre-Money Valuation

50%+

Employee Growth Rate

\$19M

Total Raised to Date

30+ Employees received a minority investment led by



- On May 4, 2023, Innovapptive announced it raised a Series B investment led by Vista Equity Partners for \$26M.
- Innovapptive uniquely unlocks all aspects of an enterprise's work management processes with its flagship patented nocode connected worker platform and integrated suite of apps that tightly integrate with enterprise ERPs.

Transaction Rationale

- Innovapptive will use the investment to accelerate product innovation and reach new regional markets while further establishing its leadership position in the emerging connected worker software category.
- The combination of Innovapptive and Vista will enhance Innovapptive's platform capabilities to integrate with enterprise systems, capture actionable insights, make recommendations for productivity and safety, and close the loop between assets and people.

\$105M

Pre-Money Valuation

100K+

Users

\$69M

Total Raised to Date

250+

Employees

Financing Activity Continues Across Value Chain Categories

and

Development

Systems

Notes: Includes early-stage and later-stage venture investments from funds and strategics. Financing \$ volume and average deal size includes only transactions with publicly available financials.

Fundraising frequency further retracted in Q1 2023, but average check size remained relatively stable as investors maintained interest in the domain while continuing to be more selective.

Select Industrial Software Financings (\$M) Industrial Software Quarterly Financing Activity (\$M) LTM financing volume: Selected **Amount Pre-Money** Segment/ \$5.2B across 130 deals **Date** Company Investor(s) Invested Valuation Value Chain ¥ <> resilinc N/A N/A 5/2023 VISTA ¥ \$26 \$105 5/2023 **INNOVAPPTIVE** VISTA 47 Morgan Stanley everstream \$50 N/A 4/2023 43 STEPSTONE Gardner Lewis a | 1 **Augmentir** \$4 4/2023 \$41 37 N/A Loftware AKKR 3/2023 N/A ☻ \$10 N/A 2/2023 \$3,087 \$2.798 2/2023 Undisclosed \$38 \$335 **OVERHAUL** PROLOGIS \$2,113 \$26 \$85 1/2023 LOGIWA NewRoad BAM ELEVATE \$1,915 \$1,840 **LLR Partners** 🛖 🚅 🏟 N/A Magaya N/A \$1,482 1/2023 \$1,432 Apax. \$1,135 \$1,127 \$1.106 \$42 \$128 <u>|</u> 1/2023 MACROFAB FOUNDRY \$726 \$709 **Engineering and Supply Chain Management** Manufacturing Q2 Q3 Ω4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Ω1 2020 2020 2020 2021 2021 2021 2021 2022 2022 2022 2022 2023 Average Equity Investment (\$M) Procurement Supply Warehouse Manufacturing Asset Management Management Operations Control Performance Design and Chain Management 25 35

Planning

and Fulfillment

Strategic M&A Activity Continues Across the Ecosystem

Q1 2023 continued trends from 2022, with consolidators driving activity with a healthy amount of frequency but reduced deal size.

Industrial Software Quarterly M&A Activity (\$M)

LTM M&A volume: \$10.5B and 214 deals 39 \$14,958 \$13,355 32 \$12,448 \$9,245 21 \$7,746 \$4,443 \$3,969 \$2,509 COVID-19 \$2,376 \$2,406 \$1,308 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q2 Q3 Q3 Q1

Select Industrial Software M&A Transactions (\$M)

			Transaction	Segment/
Date	Acquirer	Target	Value	Value Chain
5/2023	nalanda	o dokify	N/A	
5/2023	<u>@</u> -Emphasys	CDK GLOBAL.	N/A	
4/2023	GAÍNS	3TQ	N/A	£
4/2023	everstream ANALYTICS	₿BLUEN ODE	N/A	
2/2023	III I wisetech 'ıl' global	© BLUME global.	\$414	
2/2023	OVERHAUL	Subsidiary of SENSITECH	N/A	
2/2023	≯ TEXADA	Subsidiary of UPTAKE	N/A	•
1/2023	QVD	Redzone	~\$1,000	201
1/2023	III I wisetech	(C) ENVASE	\$230	
1/2023	FREIGHTOS	GESHER ACQUISITION CORP	\$500	
1/2023	KEENSIGHT	on √ entis	Conf.	锜
Supp	ly Chain Manage	Engineer Manufac		

Warehouse Manufacturing

Management Management Operations

2021

2021

2022

2022

2022

2023

Management

2022

2020

2020

Average Deal Size (\$M)

3,339

2021

2021

and Fulfillment

Chain

Performance Design and Development

and

Industrial

Control

Systems

Most Active Industrial Software Strategic Acquirers

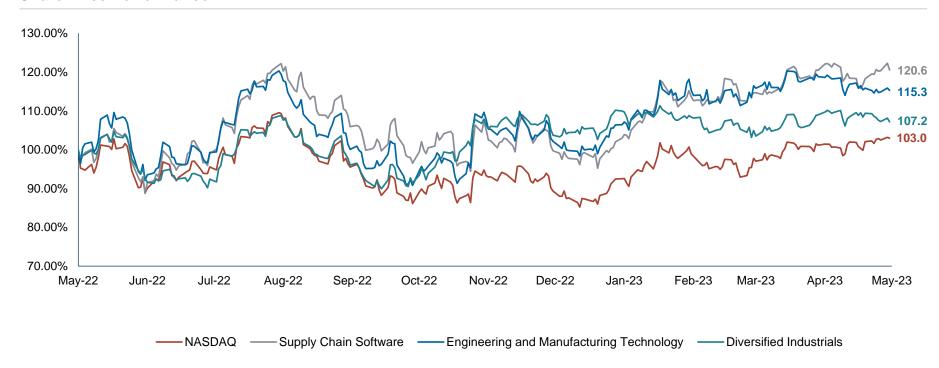
Acquirer	# Acquisitions (Since Jan. 1, 2020)					Targets			
▲ aptean	16	DRINK-IT Ima departs (2023) Objective (2021)	Merlin (2022) RAMSAUER STÜRMER (2021)	(2022) EXENTA. (2021)	(2022) ••• technologies (2021)	(2022) * Larom (2020)	RLM OFFINE (2022) SSAS (2020)	DATA SYSTEMS senation made in JUSTEM. (2022) agiles (2020)	integreater food processing software (2021) WorkWise (2020)
Bentley [®]	11	© EasyPower (2023) ✓ VISTA DATA VISION (2021)	(2022) (2021)	eagle.io (2022) COHESIVE solutions (2020)	(2022)	POWER LINE \$ \times 8 \times 6 \times 6 \times 8 \times 6 \times	S. SEEQUENT (2021)	(2021)	sensemetrics (2021)
HEXAGON	10	(2022) Romax (2020)	Accelerator (2022) PAS (2020)	etq ⁷ (2022)	Jovix (2021)	infor [EAM Business Solutions] (2021)	CADLIN PROJUME OF NO STELLAR (2021)	ESPRIT CALCIAGO REFERENCE (2020)	CAEfatigue (2020)
✓ AUTODESK	9	THE WILD (2022)	eyrus 🎇 (2022)	prodsmart (2022)	(2021)	office: (2021)	ăPriori (2021)	Upchain (2021)	Innovyze° (2021)
DESC_RTES	8	OC@ Z	GROUNDCLOUD (2022)	SUPPLY VISION (2023)	foxtrot (2022)	Net Chb. (2022)	PLS (2021)	Questa Web, Inc. Global Trade Nanagement Solutions (2021)	Kontainers (2020)
revalize	8	PRO_FILE (2021)	TENADO* (2021)	Sofon (2021)	100 (2021)	CONFIGURE ONE	(2021)	SpecPage Record to Success (2021)	(2020)
eci	7	<mark>∕ LOJIC</mark> (2022)	DateInventors (2022)	Injuredution (2021)	deacom' MODIFICATION DELIVERORY (2021)	shoptech	ThermoGRIC	(2020)	
SANDVIK	6	(2021)	JCAM (2021)	Mastercam OQUICN PART SIRRIE (2021)	(2021)	OQTON (2021)	(2020)		
III I wisetech	5	© BLUME (2023)	© ENVASE (2023)	Shipamax (2022)	Bolero (2022)	* SISA Cofes va. (2020)			
ptc	5	GloudMilling (2022)	SERVICEMAX (2023)	INTLAND SOFTWARE (2022)	畑RE'FLEKT (2022)	(2021)			

Most Active Industrial Software Financial Sponsors

Acquirer	# Investments (Since Jan. 1, 2020)				Targe	ets			
TA ASSOCIATES	17	DRINK-IT Iman Aprenta (2023) CONFIGURE ONE (2021)	A aptean (2022, 2020) revalize (2021)	(2022) WWORKWAVE (2021)	(2022)	integreate (22) integreate (2021) MODUL A (2020)	Emphasys (2021) UNLEASHED (2020)	Objective (2021) IFS (2020)	(2021) (2020)
INSIGHT PARTNERS	13	▲ aptean (2022) nīopology (2021, 2020)	↑ PPRENTICE (2022, 2020) Ç EquipmentShare (2021)	(2022) TULIP (2021)	© SINSCALE (2021, 2020)	project(44) (2022, 2021, 2020) (2020) (2020)	LOGIXBOARD (2022)	(2022)	€ EXPEDOCK (2022)
TIGERGLOBAL	12	© INNOVAPPTIVE (2023) SVT ROBOTICS (2021)	odeko (2023) RAPID (2021)	(2022, 2021) Physna (2021)	waresix (2022) COGNEXT (2020)	cogoport (2022)	nTopology (2021)	© EquipmentShare (2021)	Emerge (2021)
жHg	10	ldeagen (2022) MBM (2020)	WORKWAVE (2022) UNLEASHED Institute (2020)	SupplyStack to Transcorper (2022)	Trackunit' (2021)	revalize (2021)	Magnitude (2021)	Fikuro (2021)	AUVESY. (2021)
AKKR	10	Loftware (2023) KALERIS (2020)	palladium Busses Scullers (2023) Tai (2020)	TITANGPS (2022)	Market Medium (2022)	basware (2022)	¥ toolsgroup (2021)	§ VENDAVO ⁻ (2021)	NAVTOR ★< (2020)
THOMABRAVO	9	GLOBAL → WORKER PASS (2023)	Redzone (2022)	COUPA (2022)	vuealta projec	ICIX	⊘ Q ∧ D (2021)	(2021)	EXOSTAR ° (2020)
VISTA	9	⊗ INNOVAPPTIVE (2023)	resilinc	(2022)	(2022) Ssent (2022) integration (2022)	Objective Construction (2021)	arcos ° (2021)	MODUL-A IT.WORKS (2020)	WorkWise 1091 mate (2020)
Charlesbank	7	(2022)	(2022)	integreater Indigeneral suffering (2021)	Objective (2021)	EXENTA. (2021)	MODUL-A IT.WORKS (2020)	Aaptean	
Battery	5	K0J0	SHIPPEO (2022, 2020)	PROEMION (2022)	fulcrum (2020)	(2020)			
GREYCROFT	3	Emerge (2021, 2020)	Guidewheel	Tradeshift (2021)					

Industrial Software Recovery Has Outperformed Broader Tech

Share Price Performance



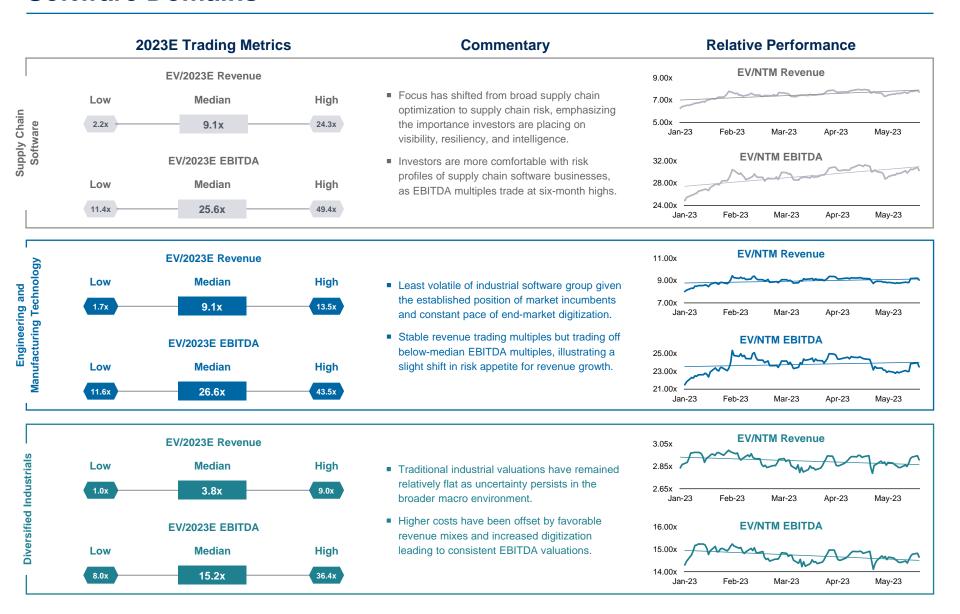
Public Company Ecosystem Segmentation







Industrial Software Valuations Are Among the Highest Across All **Software Domains**



Notes: Trading multiples are based on share price, other market data, and broker consensus future earnings estimates from S&P Capital IQ as of May 17, 2023. All financials

calendarized to a December year-end.

Valuation Correlated to Revenue Growth and EBITDA Margin

With the persistence of macro uncertainty, the focus on the combination of growth and profitability continues to drive valuations.

Rule of 40 vs. EV/2024E Revenue—Supply Chain Software



Rule of 40 vs. EV/2024E Revenue—Engineering and Manufacturing Technology



Sources: S&P Capital IQ, company information.

Selected Publicly Listed Comparables

	Company Name	Market Cap	EV	EV/Re	venue	EV/EI	BITDA	EBITDA	Margin	2022E-202	24E CAGR
		USD M	USD M	2023	2024	2023	2024	2023	2024	Revenue	EBITDA
	American Software	\$424	\$311	2.4x	2.1x	15.4x	12.4x	15.7%	17.2%	6.4%	6.4%
Supply Chain Software	Aspen Technology	10,411	10,668	9.8x	8.7x	24.8x	18.7x	39.4%	46.6%	15.4%	16.0%
	Descartes Systems Group	6,635	6,353	11.5x	10.5x	26.4x	23.3x	43.5%	45.0%	11.7%	12.6%
	E2open	1,585	2,548	3.9x	3.7x	11.4x	10.5x	34.0%	34.8%	4.6%	7.4%
	Kinaxis	3,863	3,662	8.5x	7.1x	NM	40.8x	15.3%	17.5%	18.4%	6.3%
	Manhattan Associates	10,826	10,441	12.1x	10.8x	44.1x	37.9x	27.5%	28.6%	12.1%	12.2%
	Park City Group	127	101	5.0x	4.4x	13.3x	10.7x	37.4%	41.1%	10.6%	25.5%
	Samsara	10,242	9,717	11.5x	9.0x	NM	NM	NM	0.5%	28.8%	NA
	SPS Commerce	5,808	5,467	10.4x	9.0x	35.0x	29.6x	29.6%	30.4%	16.0%	18.1%
	Tecsys	286	265	2.2x	2.0x	30.4x	17.4x	7.4%	11.4%	10.6%	52.1%
	Trimble	11,916	12,718	3.3x	3.1x	12.8x	11.8x	25.7%	26.3%	5.5%	8.4%
	WiseTech Global	15,391	15,212	24.3x	19.3x	49.4x	37.9x	49.3%	50.8%	26.2%	26.5%
Γ	Mean			8.7x	7.5x	26.3x	22.8x	29.5%	29.2%	13.9%	17.4%
	Median			9.1x	7.9x	25.6x	18.7x	29.6%	29.5%	11.9%	12.6%
	Altair Engineering	\$5,446	\$5,446	8.8x	8.1x	43.5x	36.0x	20.2%	22.6%	8.3%	18.0%
	Altium Ltd.	3,211	3,004	11.1x	9.5x	29.6x	24.4x	37.5%	38.7%	16.0%	18.6%
	ANSYS	26,223	26,304	11.5x	10.4x	27.6x	24.1x	41.6%	43.4%	10.2%	10.2%
S .	Autodesk	42,748	41,877	7.7x	6.9x	20.4x	18.0x	37.9%	38.6%	9.9%	12.5%
ecimonogy	Bentley Systems	15,208	15,886	12.9x	11.7x	38.7x	33.9x	33.4%	34.6%	11.1%	13.1%
5	Cadence Design Systems	55,904	54,969	13.5x	12.2x	30.4x	26.9x	44.5%	45.3%	12.6%	14.2%
ט -	Dassault Systemes	52,620	51,386	7.9x	7.3x	22.2x	20.0x	35.8%	36.7%	7.6%	7.7%
	Hexagon AB	30,477	33,983	5.9x	5.5x	15.6x	14.5x	37.6%	38.1%	5.8%	8.3%
Technology	PSI Software	525	492	1.7x	1.5x	11.6x	9.8x	14.4%	15.5%	10.3%	17.3%
	Synopsys	58,742	56,565	9.4x	8.6x	25.6x	23.4x	36.8%	36.7%	12.9%	15.3%
[Mean			9.0x	8.2x	26.5x	23.1x	34.0%	35.0%	10.5%	13.5%
	Median			9.1x	8.4x	26.6x	23.7x	37.1%	37.4%	10.3%	13.6%

Notes: Trading multiples are based on share price, other market data, and broker consensus future earnings estimates from S&P Capital IQ as of May 17, 2023. All financials

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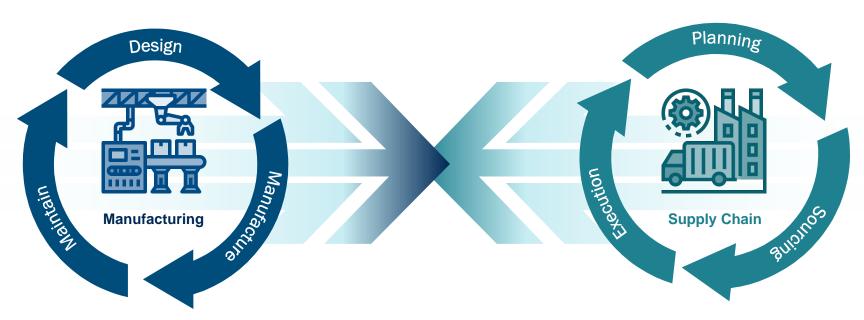
Selected Publicly Listed Comparables (cont.)

Company Name	Market Cap	EV	EV/Re	venue	EV/EBITDA		ue EV/EBITDA EBITDA Margin 2022E	EV/EBITDA EBITDA Margi		2022E-202	022E-2024E CAGR	
	USD M	USD M	2023	2024	2023	2024	2023	2024	Revenue	EBITDA		
ABB	\$70,352	\$76,832	2.4x	2.3x	14.0x	13.5x	17.1%	17.2%	6.0%	17.0%		
Cognex	8,871	8,392	9.0x	8.0x	36.4x	27.7x	24.9%	29.0%	1.9%	2.5%		
Danaher	166,034	181,249	6.1x	5.7x	18.9x	17.2x	32.4%	33.3%	0.4%	(1.6%)		
Emerson	54,055	60,888	4.0x	3.8x	15.6x	14.6x	25.5%	26.1%	(7.0%)	(9.8%)		
ESI Group	571	564	3.8x	3.6x	18.2x	14.8x	21.1%	24.5%	4.6%	18.5%		
Fanuc	31,381	27,448	4.4x	4.2x	15.7x	14.0x	28.2%	29.6%	2.4%	4.1%		
Fortive	23,221	25,235	4.2x	4.0x	15.5x	14.5x	26.8%	27.4%	4.3%	7.1%		
GE	113,798	113,390	1.8x	1.6x	15.8x	11.6x	11.3%	14.2%	(5.1%)	(1.0%)		
Hitachi	58,865	65,598	1.0x	1.0x	8.0x	6.8x	11.9%	14.1%	(9.5%)	(0.0%)		
Honeywell	132,702	140,977	3.8x	3.6x	14.9x	13.9x	25.5%	26.1%	4.8%	4.5%		
Keysight	28,253	25,626	4.6x	4.3x	14.3x	13.9x	32.3%	31.3%	3.1%	2.1%		
Materialise	523	437	1.6x	1.4x	14.2x	9.8x	11.0%	14.4%	11.7%	48.2%		
National Instruments	7,683	8,128	4.5x	4.2x	20.4x	18.5x	22.2%	22.8%	7.8%	24.5%		
OMRON	11,995	11,460	1.8x	1.7x	13.0x	12.5x	14.0%	13.8%	1.7%	(0.2%)		
Rockwell Automation	32,095	35,167	3.9x	3.8x	17.4x	16.4x	22.2%	23.1%	8.6%	14.7%		
Roper	48,668	54,497	9.0x	8.5x	22.4x	21.2x	40.3%	40.2%	9.1%	8.8%		
Sandvik	24,162	28,417	2.4x	2.4x	10.0x	9.6x	24.2%	24.6%	5.6%	10.5%		
Schneider Electric	98,301	110,621	2.8x	2.7x	13.8x	12.9x	20.5%	21.0%	5.7%	6.4%		
Siemens	139,749	179,941	2.1x	2.0x	11.8x	11.2x	18.0%	17.5%	8.0%	5.6%		
Velo3D	361	280	2.3x	1.7x	NM	NM	NM	NM	43.7%	(64.0%)		
Zebra	14,040	15,879	2.9x	2.7x	13.2x	11.9x	21.8%	22.9%	0.5%	4.1%		
Mean Median			3.7x 3.8x	3.5x 3.6x	16.2x 15.2x	14.3x 13.9x	22.6% 22.2%	23.7% 23.8%	10.3% 7.9%	5.9% 7.6%		
Overall Mean Overall Median			6.4x 4.5x	5.7x 4.2x	21.3x 16.6x	18.7x 14.8x	27.2% 25.7%	27.9% 26.9%	8.8% 8.0%	10.2% 9.5%		

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calendarized to a December year-end.

Convergence of Industrial Software Is Accelerating





Operational Convergence

Manufacturing complexities are evolving; industrial businesses are responding by expanding and deepening interconnections of production and efficient, nimble supply chain operations.



Data Synchronization

Data correlations between the ecosystems create a feedback loop of continuous improvement, driving ever-tighter integrations and pursuit of synchronization across the industrial workflow.



Market Evolution

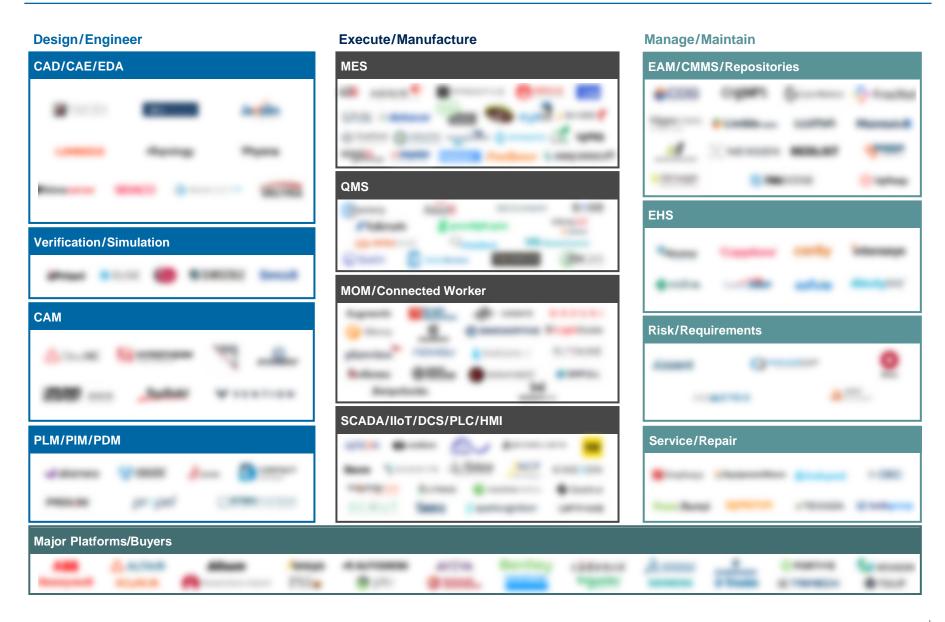
Software categories such as warehouse management systems facilitate core aspects of both domains; product suite evolution toward end-to-end functionality has become a logical opportunity for technology providers.

How Houlihan Lokey Covers the Industrial Software Domain

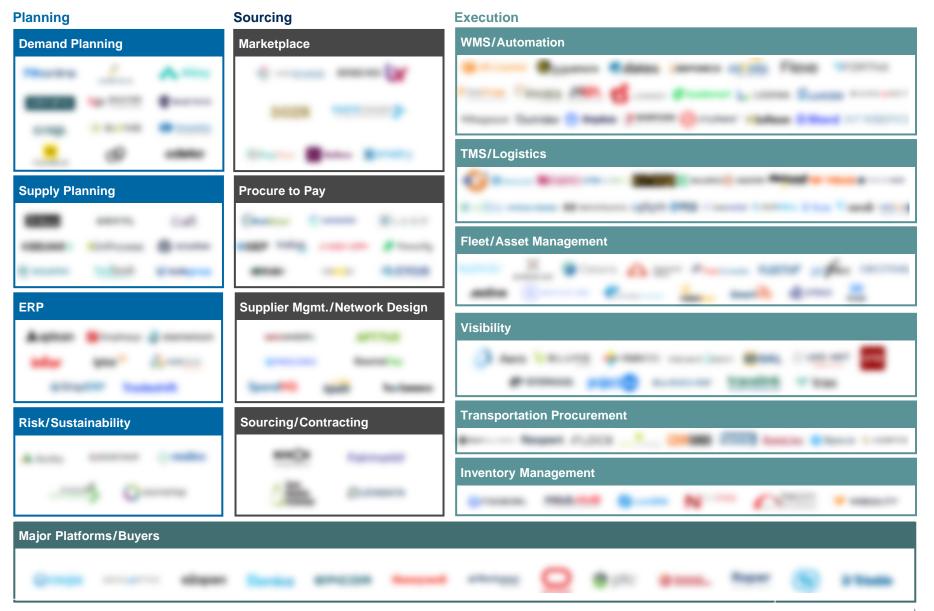
- Supply chain and manufacturing processes converge to facilitate the industrial business workflow.
- Software has enabled the industrial business to digitalize and integrate their entire processes, from planning to manufacturing operations to supply chain execution.
- Overlap of end-customer bases for manufacturing and supply chain software has driven market incumbents to expand offerings across both categories.
- These dynamics create our holistic perspective of the industrial software ecosystem, a solution set focused on end-to-end industrial operations.



Manufacturing Software Landscape



Supply Chain Software Landscape



Segmentation of Industrial Software by Size



Houlihan Lokey Has Unmatched Experience in the Industrial **Software Sector**

Houlihan Lokey's widespread reach and recognized thought leadership across the industrial software market creates relationships with financial and strategic investors alike.

Thought-Leading Market Overview and Events

Industrial Software **Sector Analysis**

Industrial Software Market Trends

- Rapid technology advancements and change, coupled with the impact of the cloud, drive increasing demand for solutions from manufacturers and
- Highly fragmented sector with opportunity for consolidation; larger industry participants aggressively pursuing acquisitions, while new market entrants cause disruption.



Annual Conferences

Presence at key industry events throughout the year.

Higgin













Active Ongoing Buyer Dialogue

Ongoing Strategic Buyer Discussions

















































Active Dialogue With Sponsors on Industrial Software

abry partners

















































Domain Expertise: Manufacturing Software







Industrial Enterprise Digitalization



Manufacturing and Design Tech



Product Lifecycle Management Tech



PLM/CPQ for F&B Industry



Digital Process Solutions Software



Automotive Control Systems



Version Control/PLM



Digital Avatars/PLM



Manufacturing Verification Software



Enterprise Resource Planning



Enterprise Resource Planning



Industrial Manufacturing CRM



Commercial Monitoring



Operations Planning Software



Digital Content Management



Pricing and Analytics Software



Inspection Software and Sensor Tech

*Selected transactions were executed by Houlihan Lokey professionals while at other firms acquired by Houlihan Lokey or by professionals from a Houlihan Lokey joint venture company.



Maintenance and Repair Enablement



Industrial Asset Maintenance



Network Management Software

Domain Expertise: Supply Chain Management



Supply Chain Orchestration



Procurement and **Contract Management**



Digital Freight Booking and Payment Platform



Supply Chain Software



Supply Chain Analytics



Procurement and Asset Management Platform



Logistics, SCM, and DCM Software



Relationship Network Management



Logistics and SCM Software



Field Service/ Fleet Management



Alert Monitoring for Supply Chain Assets



SCM Connectivity and Efficiency



Smart Lockers and Management Software



Supply Chain Software



Dealer Marketing and Management



Diversified Asset Maintenance



Supply Chain Integration



Mobile Field Workflow

*Selected transactions were executed by Houlihan Lokey professionals while at other firms acquired by Houlihan Lokey or by professionals from a Houlihan Lokey joint venture company.



Auto/Telematics Transport and Logistics



Field Service/Fleet Management



Contingent Labor SCM and DCM

Leading Independent, Global Advisory Firm



Houlihan Lokey is the trusted advisor to more top decisionmakers than any other independent global investment bank.

2,600+ **Employees**

36 Locations \$6 Billion⁽¹⁾

LISTED **NYSE**

HLI

\$1.8 Billion⁽²⁾

~25%

No

Market Cap

Annual Revenue

Employee-Owned

Debt

Corporate Finance

- No. 1 Global M&A Advisor Under \$1 Billion
- Leading Capital Markets Advisor Raising More Than \$100 Billion in Past Five Years

2022 M&A Advisory Rankings Global Transactions Under \$1 Billion

Rank	Advisor	Deals				
1	Houlihan Lokey	381				
2	Rothschild	369				
3	JP Morgan	217				
Source: Refinitiv. Excludes accounting firms and brokers.						

Financial Restructuring

- No. 1 Global Restructuring Advisor
- \$3.0 Trillion of Aggregate Transaction Value Completed

2022 Global Distressed Debt & Bankruptcy Restructuring **Advisory Rankings**

Rank	Advisor	Deals			
1	Houlihan Lokey	58			
2	PJT Partners	30			
3	Lazard	29			
Source: Refinitiv.					

Financial and **Valuation Advisory**

- No. 1 Global M&A Fairness Opinion Advisor Over the Past 25 Years
- 1.000+ Annual Valuation Engagements

1998 to 2022 Global M&A Fairness Advisory Rankings

Rank	Advisor	Deals			
1	Houlihan Lokey	1,232			
2	JP Morgan	1,030			
3	Duff & Phelps, A Kroll Business	938			
Source: Refinitiv. Announced or completed transactions.					

Financial Sponsors Coverage

- No. 1 Global Advisor to Private Equity Firms
- 1,000+ Sponsors Covered Globally

2022 Most Active Global Investment Banks to **Private Equity Firms**

Rank	Advisor	Deals				
1	Houlihan Lokey	242				
2	Lincoln International	192				
3	Deloitte	190				
Source: PitchBook.						

Houlihan Lokey +





Houlihan Lokey has acquired Oakley Advisory, an independent advisory firm that provides a range of services to clients across the digital infrastructure, communications services, and cloud landscape.

With the addition of Oakley, Houlihan Lokey will cover the full spectrum of digital infrastructure and connectivity in the U.S. and Europe...

- Broadband and Connectivity
- Towers and Shared Infrastructure
- Data Centers and Managed Services
- Wireless and Spectrum
- **Telecom Services**
- Telecom Software

Houlihan Lokey Is the Trusted Advisor to More Top Decision-Makers Than Any Other Independent Global Investment Bank

2022 Investment Banking Rankings All Global Technology Transactions						
	Advisor	Deals				
1	Houlihan Lokey	116				
2	Goldman Sachs	106				
3	Morgan Stanley	79				
4	Rothschild	76				
5	JP Morgan	75				
Source: Refinitiv. Excludes accounting firms and brokers.						

2022 M&A Advisory Rankings Global Transactions Under \$1 Billion						
	Advisor	Deals				
1	Houlihan Lokey	381				
2	Rothschild	369				
3	JP Morgan	217				
4	Lazard	206				
5	Goldman Sachs	203				
Source: Refinitiv. Excludes accounting firms and brokers.						

No. 1

Global M&A Advisor **Under \$1 Billion**

No. 1

Global Restructuring Advisor

No. 1

Global M&A Fairness Opinion Advisor Over the Past 25 Years*

Leading

Capital Markets Advisor

1,500+

Transactions Completed Valued at More Than \$3.0 Trillion Collectively

1,000+

Annual Valuation Engagements

Houlihan Lokey's Tech M&A Team Is No. 1 Globally With Unparalleled Reach



How Houlihan Lokey Can Help

Our firm is extremely well equipped to help our clients navigate uncertain times. We respond quickly to challenging situations and are constantly helping clients analyze, structure, negotiate, and execute the best possible solutions from both strategic and financial perspectives.

What We Offer



We are widely recognized as a leading M&A advisor to the mid-cap and have long-standing relationships with capital providers, including commercial banks and other senior credit providers, insurance funds, asset managers, and mezzanine fund investors. Few other investment banks maintain the breadth of relationships and capital markets intelligence that we do.

We have the largest restructuring practice of any global investment bank. Since 1988, we have advised on more than 1,500 restructuring transactions (with aggregate debt claims in excess of \$3.0 trillion). We served as an advisor in 12 of the largest 15 bankruptcies from 2000 to 2022.

Over five decades, we have established ourselves as one of the largest financial and valuation advisory firms. Our transaction expertise and leadership in the field of valuation help inspire confidence in the financial executives, boards of directors, special committees, investors, and business owners we serve.

Why We're Different



No. 1 for Global Under \$1 Billion and Tech M&A*



Significant Experience With Financing Markets



Senior-Level Commitment and Dedication



Deep, Industry-Specific Expertise



Superior Work Product/ Technical Abilities



Creativity, Imagination, Tenacity, and Positivity

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