

Industrial Software Sector Review | 3Q 2019

Harris Williams

# Harris Williams' Industrial Software Practice



## HARRIS WILLIAMS ("HW")

- Founded in 1991
- 330+ professionals across eight offices globally
- 160+ closed transactions in the last 24 months
- 21st record year in 2018
- 10 industry groups









#### TECHNOLOGY, MEDIA & TELECOM ("TMT") GROUP

• 35 professionals across Boston, San Francisco, and London

#### SENIOR PROFESSIONALS

MIKE WILKINS +1 415-217-3411

THIERRY MONJAUZE +44 20 7518 8901

......

ANDY LEED +1 415-217-3420 TYLER DEWING

+1 617-654-2133

JULIEN OUSSADON

+44 20 7518 8909

ERIK SZYNDLAR +1 415-217-3418

Human Capital Management

Compliance Software

Data & Analytics

Enterprise Software

Infrastructure & Security Software

• IT& Tech Enabled Services

Managed Services, Hosting & Data Center Solutions

HORIZONTAL FOCUS ARFAS

CRM and Member Management Software

Online Marketing, Data & Research

#### VERTICAL FOCUS SECTORS

- Architecture, Engineering & Construction
- eCommerce & Retail Software
- Education Technology
- Energy Technology
- Facilities & Real Estate Technology
- Financial Technology
- Government Technology
- Healthcare IT
- Industrial & Supply Chain Software

## INDUSTRIAL TECHNOLOGY GROUP

• 20 professionals across Richmond, Frankfurt, and Asia

#### SENIOR PROFESSIONALS

GILES TUCKER +1 804-887-6145 JOHN ARENDALE

+1 804-915-0126

JEFF PERKINS +49 69 3650638 13

ERIC LOGUE +1 804-887-6015 JENSON DUNN +1 804-887-6073

#### KEY FOCUS AREAS

- Industrial Technology
- Process Automation
- Test & Measurement
- Industrial Process Solutions
- Thermal Management

- Communication & Connectivity
- Flow Control & Engineered Components/Systems
- Power & Energy Conditioning
- Energy Metering
- Data Centers

## Select Industrial Software and Automation Transactions

## **Representative HW Transactions**



has been acquired by



Provider of fully-integrated environmental, health, and safety ("EHS") compliance, training, and workflow software solutions



has been acquired by



Provider of construction cority accounting, project management, and payroll processing solutions

has received a majority

investment from THOMABRAVO Provider of SaaS-based environmental, health, safety and quality (EHSQ) software for global, enterprise clients

**SYERIFORCE** 

has been acquired by



Provider of fully-integrated. SaaS-based operator qualification, drug & alcohol, safety & insurance, and training solutions



has been acquired by



Provider of cloud-based manufacturing execution, ERP, and supply chain software for mid-market manufacturers



has been acquired by



Provider of highperformance unmanned aerial systems (UAS) for the global military, public safety, and critical infrastructure markets



has been acquired by





has been acquired by



Provider of intelligent traffic software (ITS) and IoT solutions for the transportation industry



has been acquired by



Provider of highly complex, fully customizable automation solutions for end-of-line packaging applications







has been acquired by



Provider of software solutions that manage engineering information throughout the asset lifecycle



has been acquired by



Provider of demand response, energy efficiency, and customer engagement solutions





has received a growth investment from



Provider of commercial maritime management and logistics software to the bulk markets



has been acquired by



Provider of special machine solutions to address automation, testing, and manufacturing needs for the automotive end market



has been acquired by



Provider of a wide variety of specialty electronic, electromechanical, and software products for the fire and life safety industry



has been acquired by

THE CARLYLE GROUP

Provider of cloud-based business management, ERP, and vertical specific applications for the manufacturing, distribution, and building and construction industries



has been acquired by



Designer and manufacturer of distributed solar power generation, inverters, and software applications

# Case Study: ComputerEase

HW's TMT Group advised ComputerEase on its sale to Deltek, a subsidiary of Roper Technologies.

Close Date: 8/19/19

# ComputerEase

has been acquired by

# Deltek

a subsidiary of



#### TRANSACTION OVERVIEW

ComputerEase is a leading provider of mission-critical construction accounting, project management, and payroll processing solutions that enable contractors to manage and gain real-time visibility into their company's operations and financial performance – whether in the office or remotely in the field.

ComputerEase's fully integrated, cloud-based solution is purpose built to meet the unique needs of diverse contractor trades and sizes, with complex and varying union, labor, and equipment requirements. Today, more than 6,000 contractors rely on ComputerEase to streamline their operations and increase profits.

Deltek is a leading global provider of enterprise software and information solutions for project-based businesses. More than 23,000 organizations and millions of users in over 80 countries around the world rely on Deltek for superior levels of project intelligence, management and collaboration. The company's industry-focused expertise powers project success by helping firms achieve performance that maximizes productivity and revenue.

#### RELEVANT SUB-SECTORS

ERP / PROJECT

SAAS

ARCHITECTURE,
ENGINEERING, AND
CONSTRUCTION SOFTWARE

#### **HW DEAL CONTACTS**

Tyler Dewing
Managing Director
tdewing@harriswilliams.com
617-654-2133

Priyanka Naithani
Director
pnaithani@harriswilliams.com
617-654-2115

Scott Reinig
Vice President
sreinig@harriswilliams.com
617-654-2113

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# Case Study: Cority

HW's TMT Group advised Cority, a portfolio company of Norwest Venture Partners, on the sale of a majority stake to Thoma Brayo.

Close Date: 7/2/19



a portfolio company of



VENTURE PARTNERS

has received a majority investment from



#### TRANSACTION OVERVIEW

Cority is a highly trusted environmental, health, safety, and quality (EHSQ) software for assuring client success. Cority enables organizations to utilize EHSQ software to advance their journey to sustainability and operational excellence by combining the deepest domain expertise with the most comprehensive and secure true SaaS platform.

With 30+ years of innovation and experience, Cority's team of over 350 experts serve over 800 clients in 100 countries, supporting 2.5 million end users. The company enjoys the industry's highest levels of client satisfaction and has received many awards for its strong employee culture and outstanding business performance.

Thoma Bravo is a leading private equity firm focused on the software and technology-enabled services sectors. With a series of funds representing more than \$30 billion in capital commitments, Thoma Bravo partners with a company's management team to implement operating best practices, invest in growth initiatives and make accretive acquisitions intended to accelerate revenue and earnings, with the goal of increasing the value of the business.

#### RELEVANT SUB-SECTORS

ENVIRONMENTAL, HEALTH, SAFETY AND QUALITY (EHSQ)

GOVERNANCE, RISK AND COMPLIANCE (GRC)

INDUSTRIAL SOFTWARE

#### **HW DEAL CONTACTS**

Mike Wilkins

Managing Director mwilkins@harriswilliams.com 415-217-3411 Erik Szyndlar
Director
eszyndlar@harriswilliams.com
415-217-3418

Brian Titterington
Vice President
btitterington@harriswilliams.com
415-217-3425



# The Industrial Sector's Appetite for Software is Growing, Driving Demand for Integrated Technology and Data Platforms

#### INDUSTRY TRENDS<sup>1,2</sup>

- The emergence of Industrial IoT Platform-as-a-Service (PaaS) that connect machines, data, and people to drive unconventional growth through new revenue streams, hybrid business models, and enhanced product innovation
- The global Industrial IoT market is expected to reach \$124B by 2021, growing at a CAGR of 7%+, driven by improved operational efficiency, improved productivity, creation of new business opportunities, reduction in downtime, and optimization of asset utilization
- Due to the technical requirements in achieving Manufacturing 4.0, manufacturers today are partnering with IIoT enabled platforms and software providers as a catalyst to achieve digital transformation
- Product lifecycles are becoming increasingly complex as manufacturers seek real-time visibility and integration across their global supply chains and multi-site production operations
- The proliferation of connected machines and devices is accelerating the adoption of cloud-based solutions capable of delivering real-time information and connecting plants across geographies without the costs and complexity of managing robust technology infrastructure

#### KEY STATS

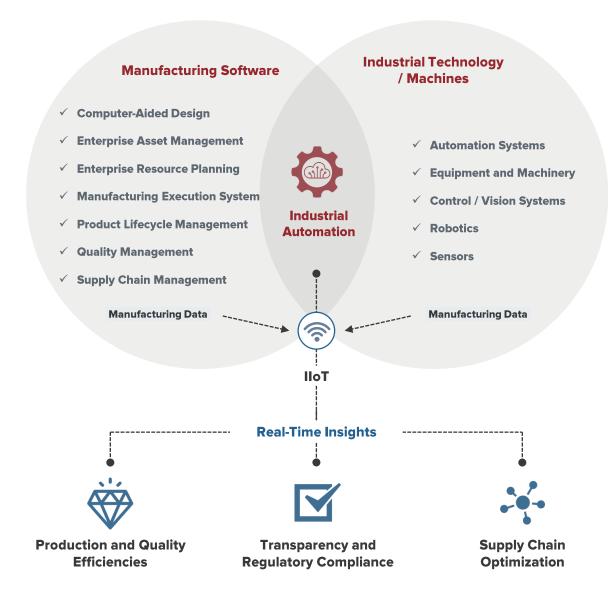
100%

Global Population
Expected to have LPWAN
Coverage by 2022

41B+

IoT Devices Worldwide by 2025

#### INDUSTRY CONVERGENCE DRIVING INNOVATION 1,2





# Increasing M&A Momentum Across the Industrial Software Market

## **Select Notable Industrial Software M&A Activity**

#### ----- HW Transaction



## **Notable Industry Consolidators**

















Note: Logos are representative of M&A participants and not comprehensive.

## Recent Industrial Software Transactions<sup>3,4</sup>



Closed: October 3, 2019





Enterprise Value: NP

EV / Rev: NP

Revenue: NP

EV / EBITDA: NP

#### ECI Software's acquisition of Trivest Beheer B.V.

- Trivest is a provider of industry-specific solutions to companies in the manufacturing sector, including ERP (enterprise resource planning), APM (advanced production management system), MES (manufacturing execution system), and CAD/CAM design software, as well as business intelligence solutions
- The company's suite of software solutions optimize and automate processes across the entire value chain for customers in 27 countries
- The acquisition will give ECI an established presence in the Netherlands and Europe, and also create a more robust platform solution for SMB manufacturers

Closed: October 2, 2019

## SignalFx

splunk>

Enterprise Value: \$1.05B

EV / Rev: NP

Revenue: NP

EV / EBITDA: NP

#### Splunk's acquisition of SignalFx

- SignalFx is a provider of real-time monitoring for cloud infrastructure, microservices, and applications
- The company's platform enables organizations to detect network anomalies in infrastructure, micro-services, and applications with machine learning
- The combination of Splunk and SignalFx will provide IT and developers a data platform that can monitor and observe data in real time, regardless of infrastructure or data volume

## Closed: September 19, 2019





Enterprise Value: NP

EV / Rev: NP

Revenue: NP

EV / EBITDA: NP

#### **Eurazeo's majority investment in Elemica**

- Elemica provides a digital supply-chain SaaS solutions for customers to connect, automate, and have full end-to-end visibility into their supply chains
- The Company accelerates digital supply-chain management transformation for its more than 450 customers globally, including 35+ of the top global 100 chemical companies
- With the support, expertise, and international network from Eurazeo, Elemica will accelerate its development in new industries, geographies, and product offerings

## Announced: September 12, 2019





Enterprise Value: \$0.8B

EV / Rev: NP

Revenue: NP

EV / EBITDA: NP

#### ANSYS's pending acquisition of Livermore Software Technology

- Livermore Software Technology Corporation (LSTC) is a provider explicit dynamics and other advanced finite element analysis technology
- The company's LS-DYNA solution, a highly scalable multiphysics solver, is used throughout the automotive industry to accurately predict a vehicle's behavior and the effects on occupants during a collision
- The acquisition will enable ANSYS to significantly advance their existing integration of LS-DYNA into the ANSYS Workbench environment and provide customers seamless access to an even wider range of advanced simulation technology

## Closed: August 14, 2019



Cinven

Enterprise Value: \$1.6B

EV / Rev: NP

Revenue: NP

EV / EBITDA: NP

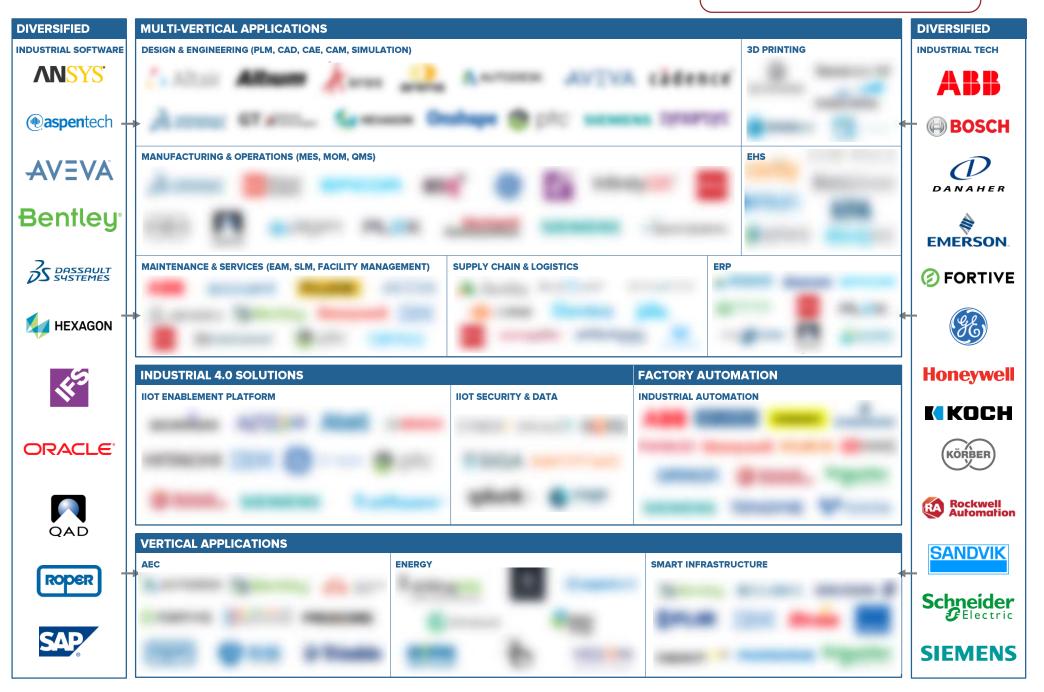
## Cinven's acquisition of Jaggaer

- Jaggaer is a provider of cloud-based Source-to-Pay eProcurement solutions for spend management, enabling a fluid supply chain for its customers through a network of four million suppliers across 70 countries
- The company's platform is driven by powerful spend analytics, vendor sourcing, contract lifecycle management, savings tracking, and efficient accounts payable systems on a single platform
- Cinven intends to help Jaggaer drive growth through R&D, improving its market-leading products, such as the Jaggaer One platform, and further acquisitions

## Industrial Software Landscape

To receive the latest Industrial Software market maps, please contact HW at \*TMT\_IndustrialSoftware@harriswilliams.com

REPRESENTATIVE INDUSTRIAL SOFTWARE SOLUTION PROVIDERS



## Industrial Software Public Market Observations<sup>3</sup>

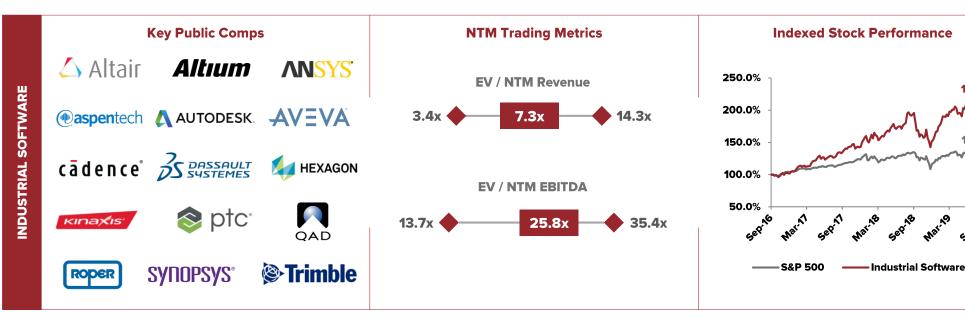
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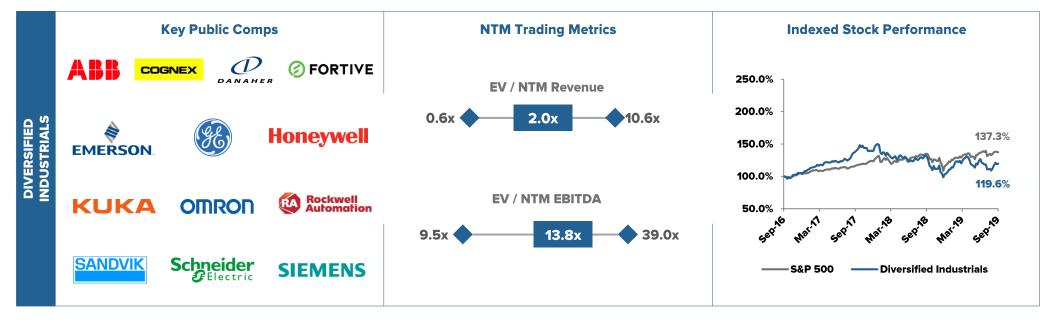
As of September 30, 2019



199.8%

137.3%





# Industrial Software Market Valuations<sup>3</sup>



## VALUATION

(\$ in millions, as of September 30, 2019)

Company	Market Capitalization						Multiples Summary			
		Enterprise Value	Revenue		EBITDA Margin		Enterprise Value/Revenue		Enterprise Value / EBITDA	
			LTM	CY2019P	LTM	CY2019P	LTM	CY2019P	LTM	CY2019P
			Indus	strial Software						
Roper Technologies, Inc.	\$37,087,049	\$41,766,949	\$5,312,500	\$5,470,700	34.6%	35.3%	7.9x	7.6x	22.7x	21.6x
Dassault Systèmes SE	37,016,242	34,699,674	4,268,662	4,328,822	25.7%	35.8%	8.1x	8.0x	31.6x	22.4x
Autodesk, Inc.	32,433,090	33,597,790	2,930,500	3,256,344	9.8%	26.5%	11.5x	10.3x	NM	39.0x
Synopsys, Inc.	20,626,834	20,087,855	3,304,695	3,408,654	19.3%	28.2%	6.1x	5.9x	31.5x	20.9x
ANSYS, Inc.	18,616,546	18,092,370	1,390,615	1,489,760	39.9%	45.6%	13.0x	12.1x	32.6x	26.6x
Cadence Design Systems, Inc.	18,512,510	18,345,648	2,259,479	2,327,451	27.1%	35.6%	8.1x	7.9x	29.9x	22.1x
Hexagon AB (publ)	17,669,948	20,209,434	4,416,932	4,303,017	27.9%	33.0%	4.6x	4.7x	16.4x	14.2x
Trimble Inc.	9,771,965	11,454,065	3,237,100	3,280,527	19.6%	23.4%	3.5x	3.5x	18.1x	14.9x
Aspen Technology, Inc.	8,414,687	8,562,761	598,345	603,130	48.5%	52.6%	14.3x	14.2x	29.5x	27.0x
PTC Inc.	7,852,937	8,250,918	1,233,147	1,316,193	10.4%	32.1%	6.7x	6.3x	64.4x	19.5x
AVEVA Group plc	7,333,509	7,167,861	998,320	983,347	14.9%	26.5%	7.2x	7.3x	48.3x	27.5x
Altium Limited	2,945,781	2,865,250	171,819	190,244	39.0%	37.7%	16.7x	15.1x	42.8x	40.0x
Altair Engineering Inc.	2,480,027	2,431,962	424,394	466,035	7.7%	12.9%	5.7x	5.2x	74.9x	40.6x
Kinaxis Inc.	1,704,728	1,514,979	162,990	185,815	17.5%	27.1%	9.3x	8.2x	53.1x	30.1x
QAD Inc.	939,572	828,714	316,696	315,048	1.2%	3.7%	2.6x	2.6x	NM	71.6x
Median	\$9,771,965	\$11,454,065	\$1,390,615	\$1,489,760	19.6%	32.1%	7.9x	7.6x	31.6x	26.6x
			Divers	ified Industrials						
Honeywell International Inc.	\$121,740,760	\$128,858,760	\$38,618,000	\$37,030,210	22.5%	23.8%	3.3x	3.5x	14.9x	14.6x
Danaher Corporation	103,609,402	111,059,702	20,253,100	20,765,955	24.0%	24.0%	5.5x	5.3x	22.9x	22.2x
Siemens	84,653,643	119,406,715	96,647,701	94,380,712	10.7%	12.1%	1.2x	1.3x	11.5x	10.5x
General Electric Company	78,020,024	194,590,024	120,782,000	116,433,866	12.4%	10.9%	1.6x	1.7x	13.0x	15.3x
Schneider Electric S.E.	47,972,392	57,981,495	30,274,238	29,637,035	17.0%	17.5%	1.9x	2.0x	11.2x	11.2x
ABB Ltd	41,919,388	50,560,388	28,508,000	28,621,086	11.0%	10.7%	1.8x	1.8x	16.1x	16.5x
Emerson Electric Co.	41,125,684	45,784,684	18,289,000	18,625,635	20.3%	20.9%	2.5x	2.5x	12.3x	11.8x
Fortive Corporation	23,004,159	28,322,159	6,816,300	7,345,388	20.8%	23.1%	4.2x	3.9x	20.0x	16.7x
Sandvik AB	19,575,671	21,700,683	10,958,642	10,573,070	21.6%	22.9%	2.0x	2.1x	9.2x	9.0x
Rockwell Automation, Inc.	19,282,859	20,609,959	6,694,100	6,569,786	22.5%	22.4%	3.1x	3.1x	13.7x	14.0x
OMRON Corporation	11,228,139	10,599,907	7,512,502	6,691,059	12.1%	12.2%	1.4x	1.6x	11.7x	12.9x
Cognex Corporation	8,384,556	7,948,949	798,038	731,605	28.6%	26.6%	10.0x	10.9x	34.8x	40.9x
KUKA	1,687,129	2,102,126	3,623,691	3,543,779	2.9%	5.4%	0.6x	0.6x	20.3x	11.0x
Median	\$41,125,684	\$45,784,684	\$18,289,000	\$18,625,635	20.3%	20.9%	2.0x	2.1x	13.7x	14.0x
Total Median	\$18,949,703	\$20,148,645	\$3,946,177	\$3,923,398	20.0%	23.9%	5.0x	5.0x	21.5x	20.2x

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## Harris Williams Capabilities and Locations

Harris Williams has a broad range of industry expertise, which create powerful opportunities. Our clients benefit form our deep-sector experience, integrated industry intelligence and collaboration across the firm, and our commitment to learning what makes them unique. For more information, visit our website at www.harriswilliams.com/industries.





















#### HARRIS WILLIAMS OFFICE LOCATIONS

#### UNITED STATES

#### Boston

One International Place Suite 2620 Boston, Massachusetts 02110 Phone: +1 (617) 482-7501

#### Cleveland

1900 East 9th Street 20th Floor Cleveland, Ohio 44114 Phone: +1 (216) 689-2400

#### Minneapolis

222 South 9th Street Suite 3350 Minneapolis, Minnesota 55402 Phone: +1 (612) 359-2700

#### Richmond (Headquarters)

1001 Haxall Point 9th Floor Richmond, Virginia 23219 Phone: +1 (804) 648-0072

#### San Francisco

575 Market Street 31st Floor San Francisco, California 94105 Phone: +1 (415) 288-4260

#### Washington, D.C.

800 17th St. NW 2nd Floor Washington, D.C. 20006 Phone: +1 202-207-2300

#### EUROPE

#### Frankfurt

Bockenheimer Landstrasse 33-35 60325 Frankfurt Germany Phone: +49 069 3650638 00

#### London

63 Brook Street London W1K 4HS, England Phone: +44 (0) 20 7518 8900

#### NETWORK OFFICES

Beijing New Delhi Hong Kong Shanghai

Mumbai



## Sources and Disclosures

#### Sources

- 1. GARTNER.
- 2. IDC.
- 3. CAPIQ.
- 4. PITCHBOOK.
- 5. HW PROPRIETARY TRANSACTION INFORMATION.

#### Disclosures

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