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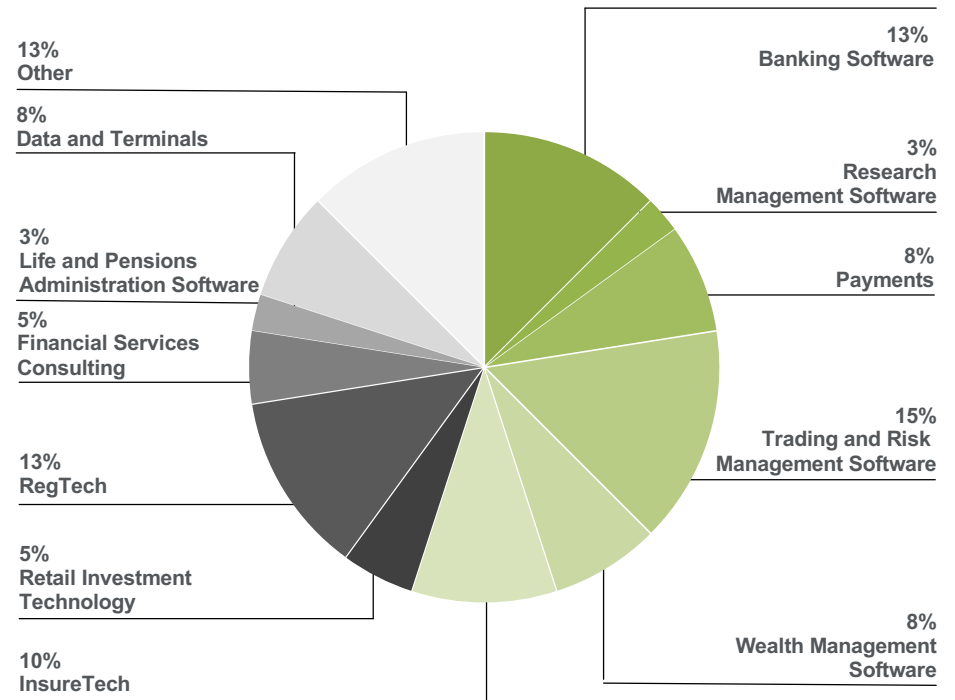
Financial Technology Sector

Quarterly Report

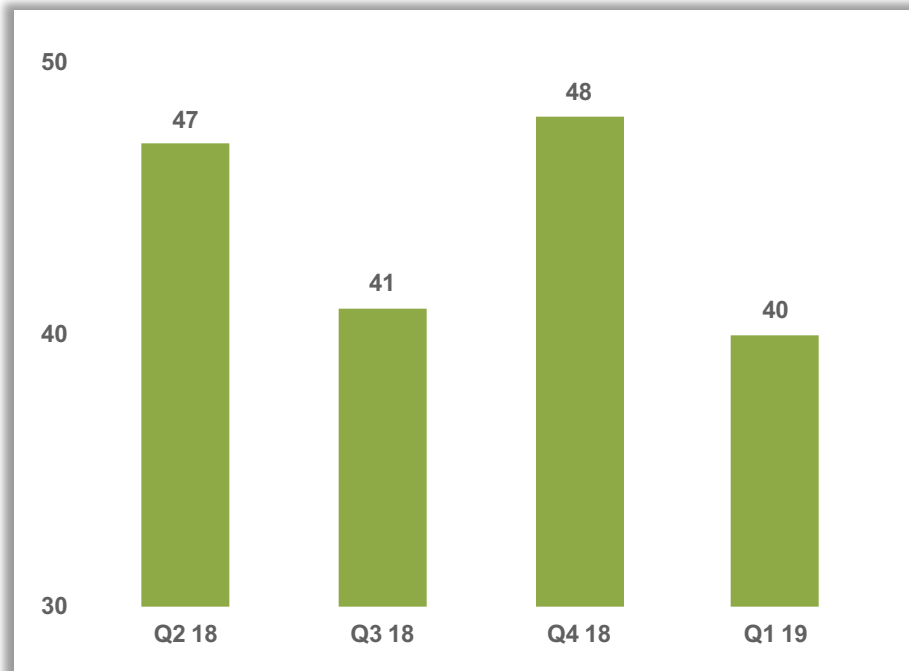
First Quarter 2019

Q1 2019 TRANSACTIONS BY SUBSECTOR

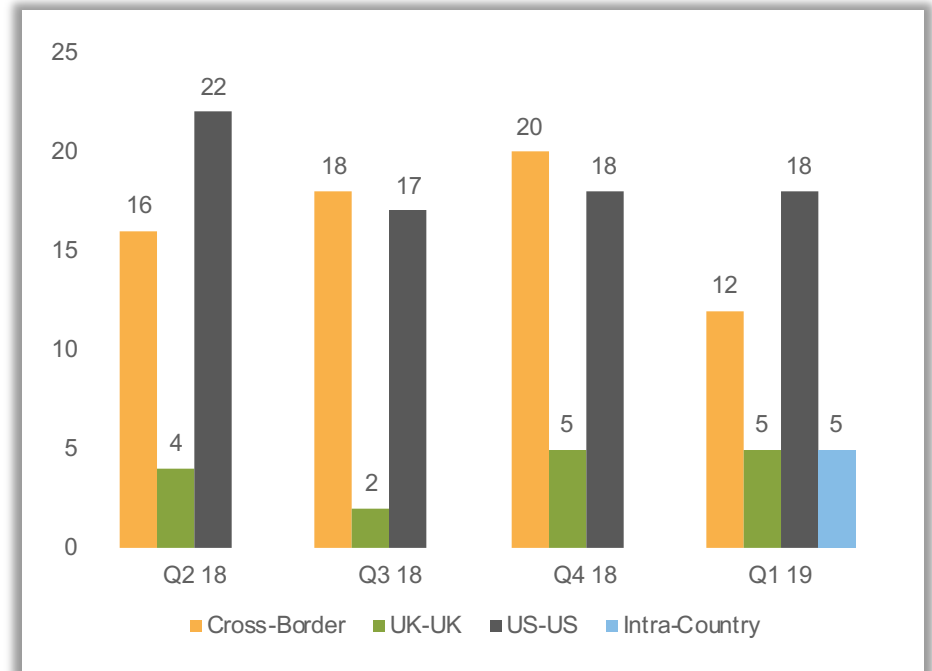
- **Banking Software**
Software that facilitates or enhances banking practices
- **Research Management Software**
Tools to enhance and simplify financial research
- **Payments**
Innovative solutions to make faster and more efficient payments
- **Trading and Risk Management Software**
Software designed for trading and risk management activities
- **Wealth Management Software**
Systems developed for private and institutional wealth managers
- **InsureTech**
Innovations in the insurance industry through technology
- **Retail Investment Technology**
Technology aimed at furthering retail investing
- **RegTech**
The use of technology to facilitate the delivery of regulatory requirements
- **Financial Services Consulting**
Companies that provide consulting within the financial services
- **Life and Pensions Administration Software**
Advancing and facilitating the administration of pensions
- **Data and Terminals**
Companies providing data and specialized terminals to financial industry players
- **Other**
All other company types within the financial technology spectrum



TRANSACTIONS BY QUARTER

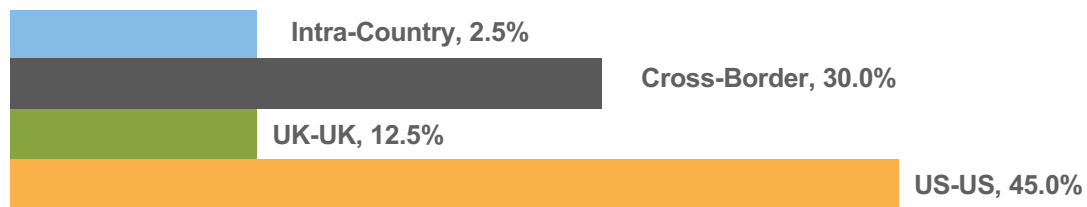
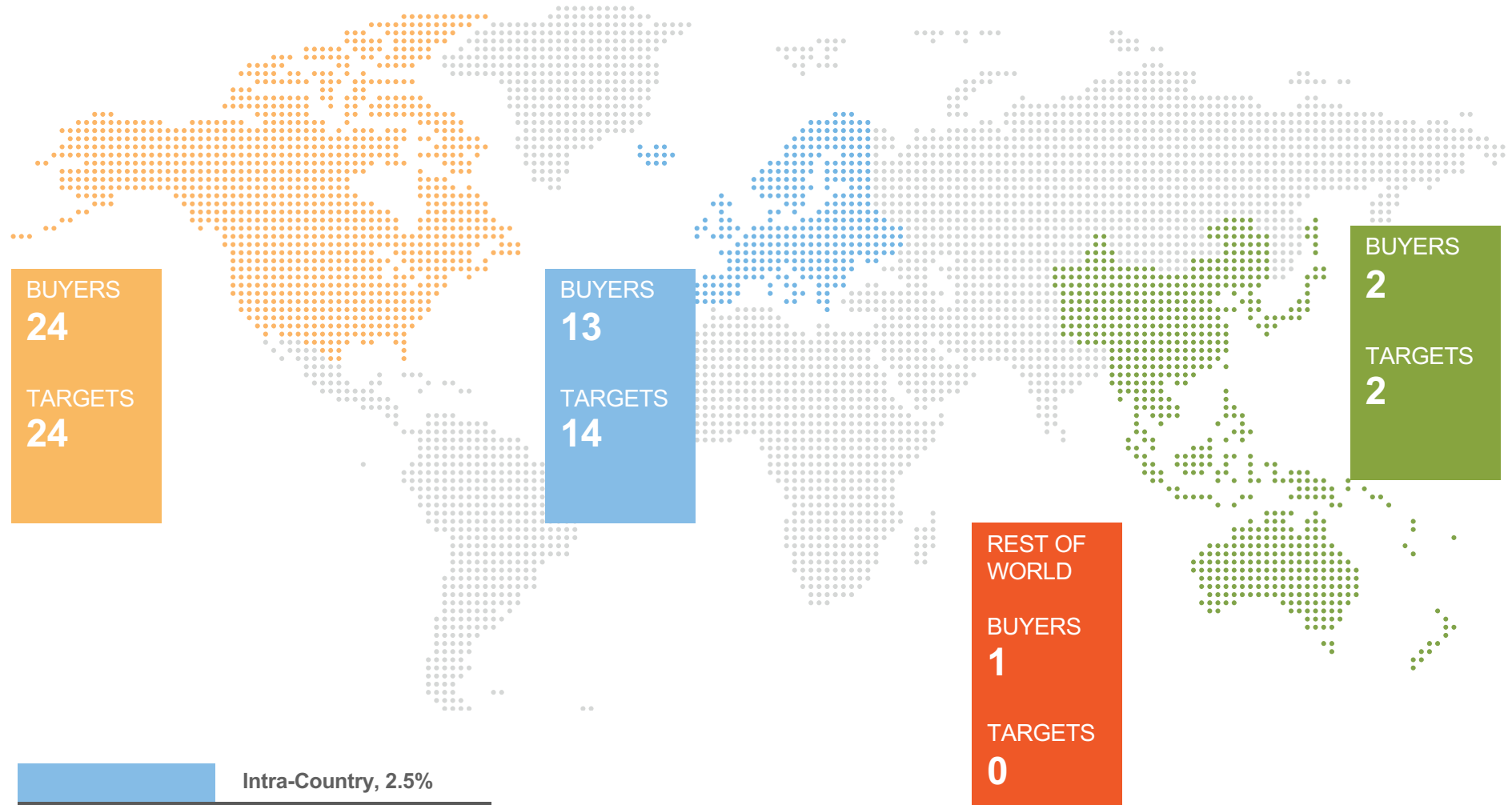


- Number of deals showed a slight decline during the spring months
- The banking software sector experienced the most activity throughout the quarter



- Q1 saw cross-border intra-US deals dominating the global scene, with cross-border transactions not far behind
- Intra-UK deals remained consistent with previous quarters
- Increasing number of other intra-country deals compared to previous quarters

Q4 2018 TRANSACTIONS BY GEOGRAPHY



SECTOR VALUATION METRICS

Company	Share Price Local 31-Mar-19	Market Cap (\$m) ⁽¹⁾	Net Debt (\$m) ⁽²⁾	Enterprise Value (\$m)	Revenue CY19E (\$m)	EV/Revenue CY2018	EV/Revs CY2019E	EV/EBITDA Recurring	EV/EBITDA CY2018	EV/EBITDA CY2019E	Revenue Growth CY2018	Revenue Growth CY2019E	EBITDA Margin CY2018	EBITDA Margin CY2019E	% Revs Recurring ⁽³⁾
Selected Large Cap															
FIS	113.1	36,546	8,282	44,828	8,538	5.3x	5.3x	6.7x	15.6x	13.3x	-2.8%	1.4%	34.2%	39.4%	79%
Fiserv	88.3	34,603	5,544	40,147	6,191	6.9x	6.5x	7.4x	17.4x	16.8x	2.2%	6.3%	39.7%	38.5%	88%
Thomson Reuters	59.2	29,688	510	30,198	5,934	5.5x	5.1x	6.8x	21.6x	21.4x	3.9%	7.9%	25.4%	23.8%	75%
IHS Markit	54.4	21,738	5,559	27,297	4,475	6.7x	6.1x	7.1x	22.1x	15.4x	11.4%	11.1%	30.5%	39.7%	86%
MSCI	198.8	16,835	1,671	18,506	1,538	12.9x	12.0x	12.3x	24.0x	22.1x	12.5%	7.2%	53.9%	54.3%	98%
SS&C	63.7	16,056	8,089	24,145	4,749	7.1x	5.1x	5.2x	25.5x	12.8x	104.2%	38.8%	27.7%	39.7%	97%
Broadridge Financial Solutions	103.7	11,995	790	12,784	4,560	2.9x	2.8x	4.4x	14.5x	13.3x	4.5%	3.1%	20.0%	21.1%	63%
Jack Henry & Associates	138.7	10,707	(31)	10,676	1,615	6.9x	6.6x	8.4x	19.8x	19.2x	7.4%	1.5%	34.8%	34.4%	79%
Temenos	146.8	10,474	527	11,001	983	13.1x	11.2x	13.3x	35.3x	28.9x	14.3%	16.9%	37.0%	38.8%	84%
FactSet	248.3	9,443	337	9,780	1,460	7.1x	6.7x	7.4x	21.9x	19.4x	10.6%	6.1%	32.4%	34.6%	91%
Guidewire Software	97.2	7,910	(762)	7,148	779	10.4x	9.2x	14.3x	95.3x	46.1x	28.5%	10.6%	10.9%	19.9%	64%
FICO	271.6	7,897	656	8,552	1,148	8.1x	7.5x	9.5x	32.4x	24.1x	10.8%	9.1%	25.0%	30.9%	79%
Computershare	17.1	6,582	969	7,551	2,402	3.3x	3.1x	4.5x	12.0x	10.5x	8.7%	2.9%	27.1%	30.0%	70%
Morningstar	126.0	5,366	(326)	5,040	NA	4.9x	NA	NA	16.1x	NA	11.9%	NA	30.6%	NA	74%
SimCorp	642.5	3,911	(54)	3,857	480	8.5x	8.0x	16.1x	29.9x	27.8x	16.5%	6.1%	28.6%	28.9%	50%
ACI Worldwide	32.9	3,818	523	4,341	1,105	4.3x	3.9x	6.1x	19.4x	13.7x	-1.4%	9.4%	22.1%	28.6%	65%
Investnet	65.4	3,148	171	3,320	889	4.1x	3.7x	3.9x	36.2x	18.3x	18.8%	9.4%	11.3%	20.4%	96%
Q2 Holdings	69.3	3,018	5	3,024	308	12.5x	9.8x	14.1x	NM	NM	24.3%	27.7%	-6.2%	6.8%	70%
Bottomline Tech	50.1	2,164	15	2,179	438	5.4x	5.0x	5.9x	29.2x	20.1x	12.8%	6.6%	18.3%	24.7%	85%
IRESS Market Technology	13.1	1,616	123	1,738	351	5.0x	5.0x	5.5x	19.6x	17.6x	5.4%	0.9%	25.5%	28.2%	90%
Ebiz	49.4	1,508	557	2,065	609	4.1x	3.4x	4.2x	12.6x	10.2x	36.8%	22.3%	33.0%	33.3%	80%
Average						6.9x	6.3x		26.0x	19.5x			26.7%	30.8%	79.2%
Total (Large Cap)		245,024	33,155	278,179											
Selected Mid Cap															
Equiniti Group Plc	2.1	985	389	1,374	715	1.9x	1.9x	2.4x	10.1x	7.9x	35.4%	0.9%	19.1%	24.4%	80%
First Derivatives	26.9	917	22	939	308	3.4x	3.0x	4.9x	19.7x	17.0x	21.6%	14.4%	17.4%	18.0%	63%
Sword Group	31.6	338	(25)	313	229	1.5x	1.4x	NA	NA	10.9x	3.3%	13.2%	NA	12.6%	NA
Aptitude Software	3.7	294	(22)	272	99	2.9x	2.8x	3.7x	9.9x	11.5x	15.6%	5.1%	29.3%	24.0%	75%
Average						2.5x	2.3x		13.2x	11.8x			21.9%	19.7%	72.5%
Total (Mid Cap)		2,534	364	2,898											
Selected Small Cap															
Linedata Services	28.3	227	93	320	192	1.6x	1.7x	2.3x	NA	6.7x	1.2%	-6.2%	NA	24.9%	72%
Crealogix	96.0	135	(11)	124	112	1.3x	1.1x	2.5x	17.4x	13.7x	18.9%	19.7%	7.2%	8.1%	44%
MSG Life AG	2.4	115	(16)	99	NA	NA	NA	NA	NA	NA	8.9%	NA	NA	NA	32%
StatPro	1.1	95	31	126	76	1.7x	1.7x	1.7x	8.4x	9.6x	15.2%	3.9%	20.5%	17.3%	97%
Gbst Holdings Ltd	1.9	93	(8)	85	68	1.3x	1.2x	1.7x	8.6x	7.2x	3.4%	-3.8%	14.7%	17.4%	72%
Gresham Technologies plc	0.9	79	(7)	72	33	2.8x	2.2x	5.9x	NM	18.9x	-7.9%	27.3%	-0.2%	11.6%	37%
Infront ASA	23.0	69	(3)	66	48	2.0x	1.4x	1.4x	12.5x	9.8x	10.6%	40.8%	15.7%	14.1%	99%
Brady	0.6	62	(5)	57	32	1.8x	1.8x	2.4x	17.2x	14.6x	4.7%	4.8%	10.8%	12.1%	74%
63 Moons Technologies Ltd.	81.1	54	(206)	(152)	NA	NA	NA	NA	NA	NA	54.1%	NA	NA	NA	94%
Dion Global	4.1	2	62	64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74%
Average						1.8x	1.6x		12.8x	11.5x			11.4%	15.1%	69.5%
Total (Small Cap)		931	(69)	862											
Sector Total		248,489	33,450	281,939		5.2x	4.7x		22.3x	16.6x			23.2%	25.8%	75.7%

(1) Excludes treasury shares

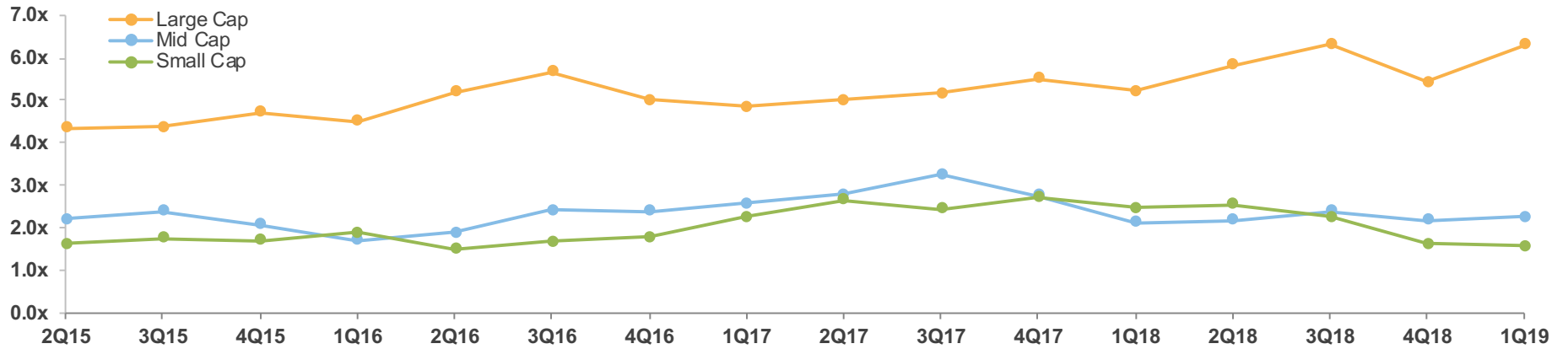
(2) Net financial debt minus marketable securities and collaterals

(3) Recurring revenues (renewing licences, maintenance, subscriptions, SaaS etc) where reported for last full year

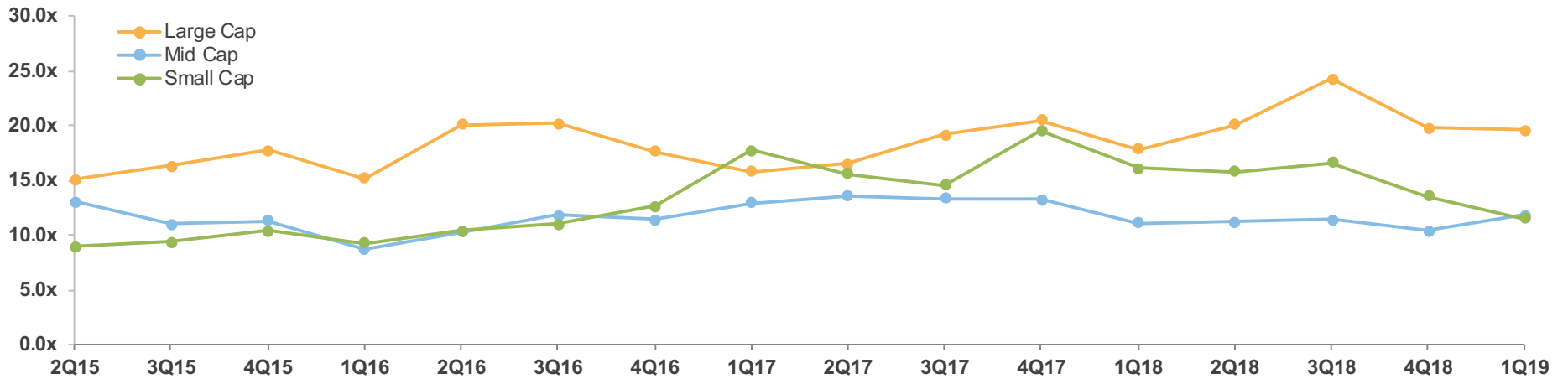
(4) NM - Not meaningful and NA - Not available

ENTERPRISE VALUE ANALYSIS

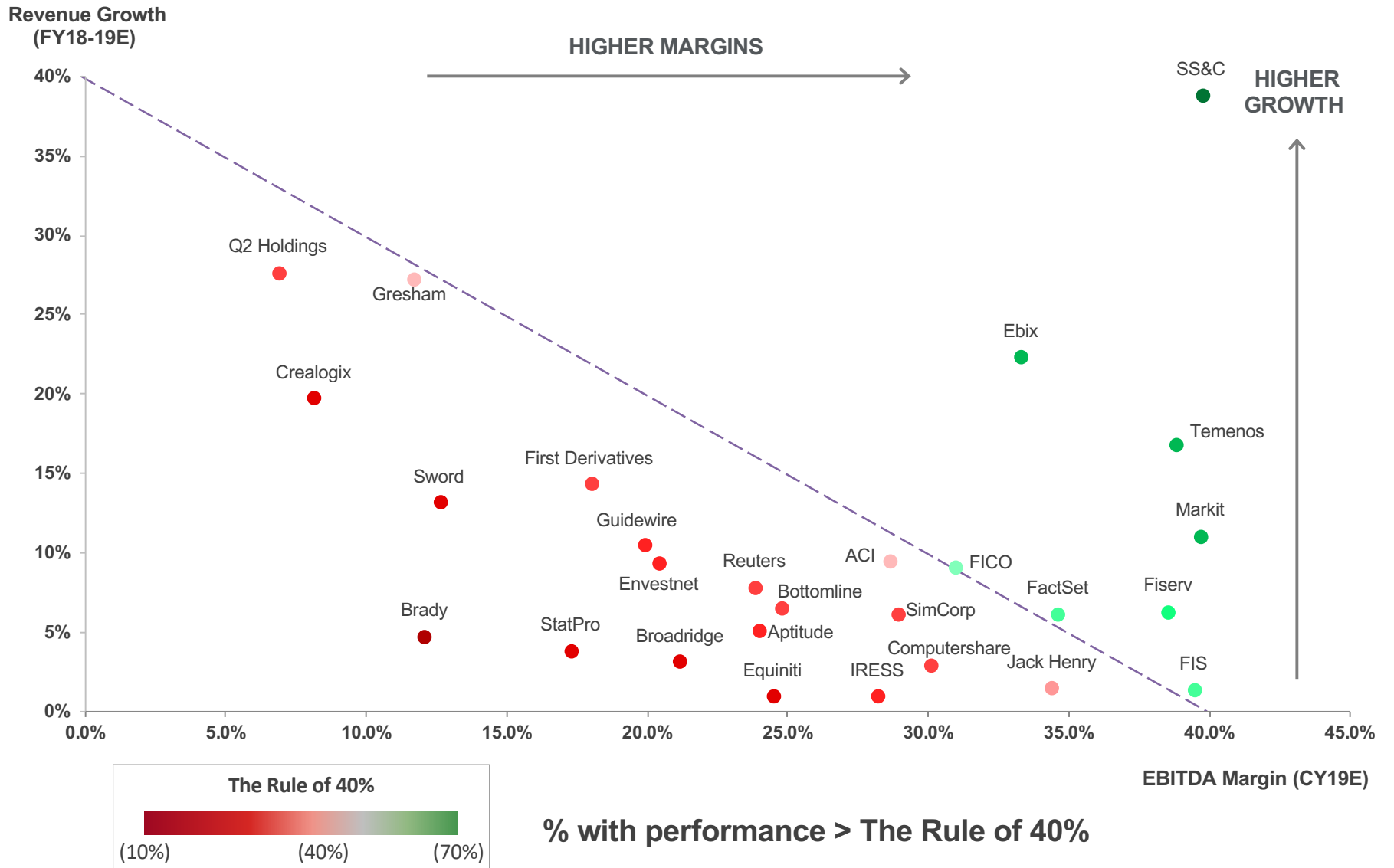
EV/Revenue



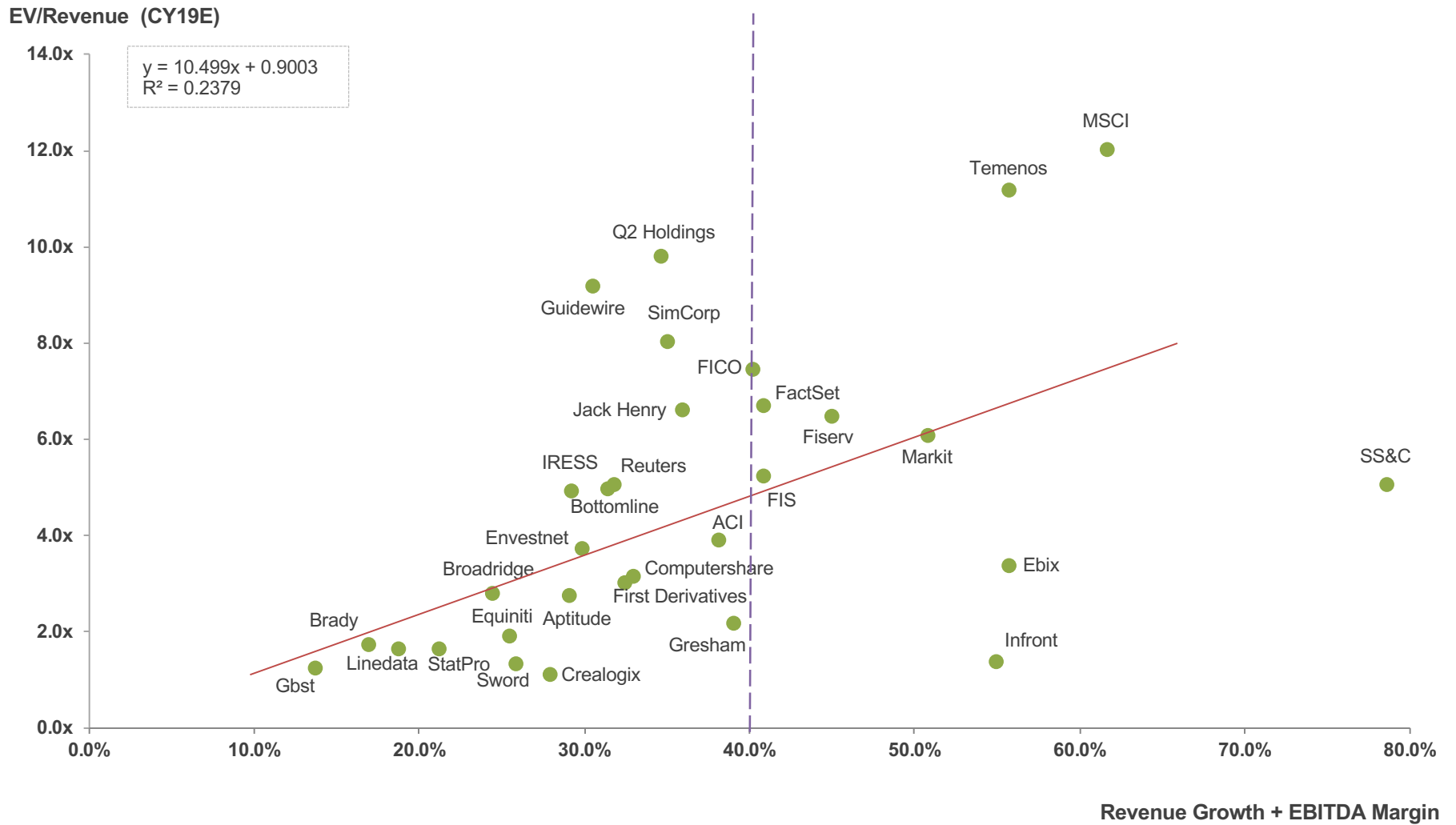
EV/EBITDA



THE RULE OF 40% : REVENUE GROWTH & OPERATING MARGIN

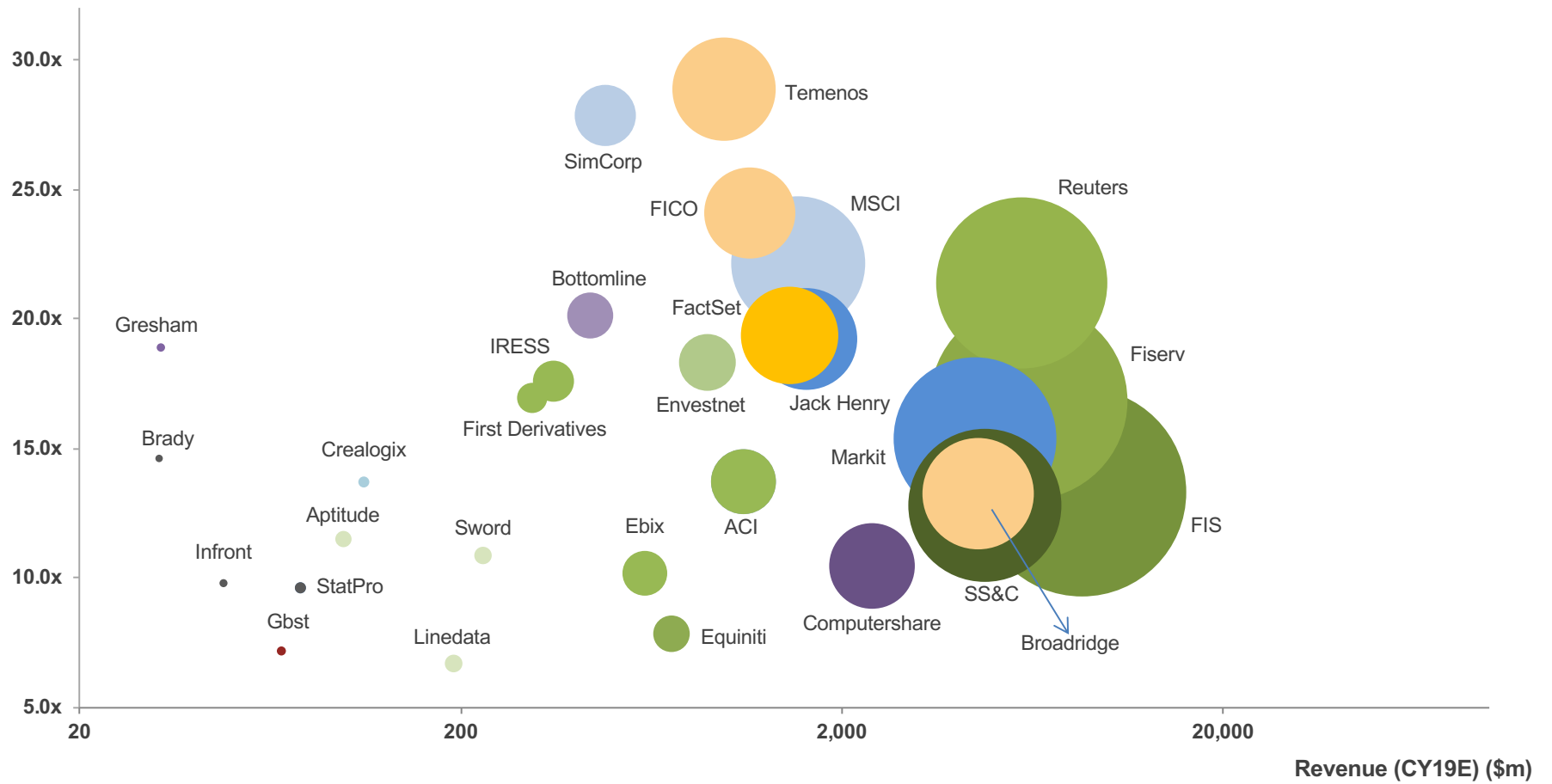


VALUATION AS A FUNCTION OF GROWTH + PROFITABILITY



SCALE AS A VALUE DRIVER

EV/EBITDA (CY19E)

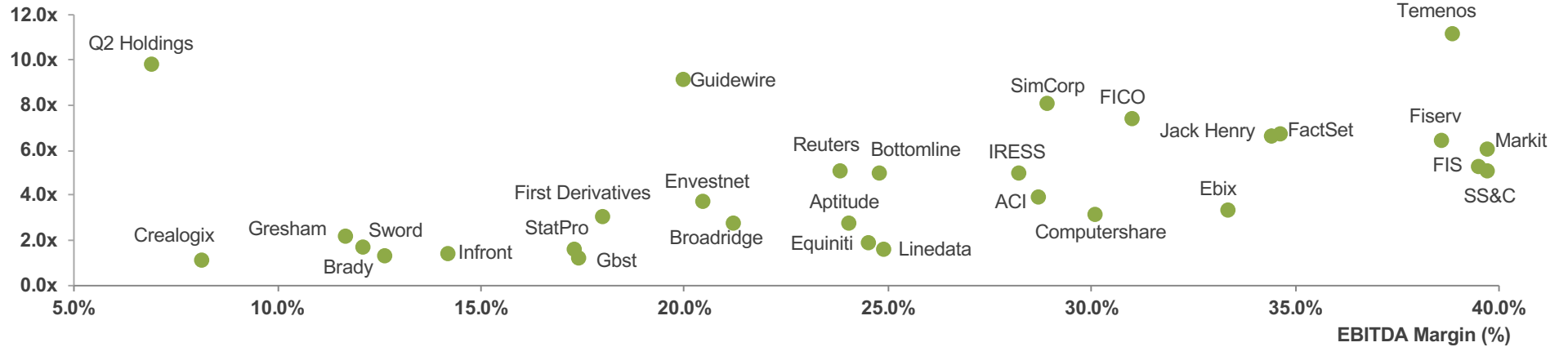


Note: Bubble size depicts enterprise value

OPERATING EFFICIENCY AND RECURRING REVENUE AS VALUE DRIVERS

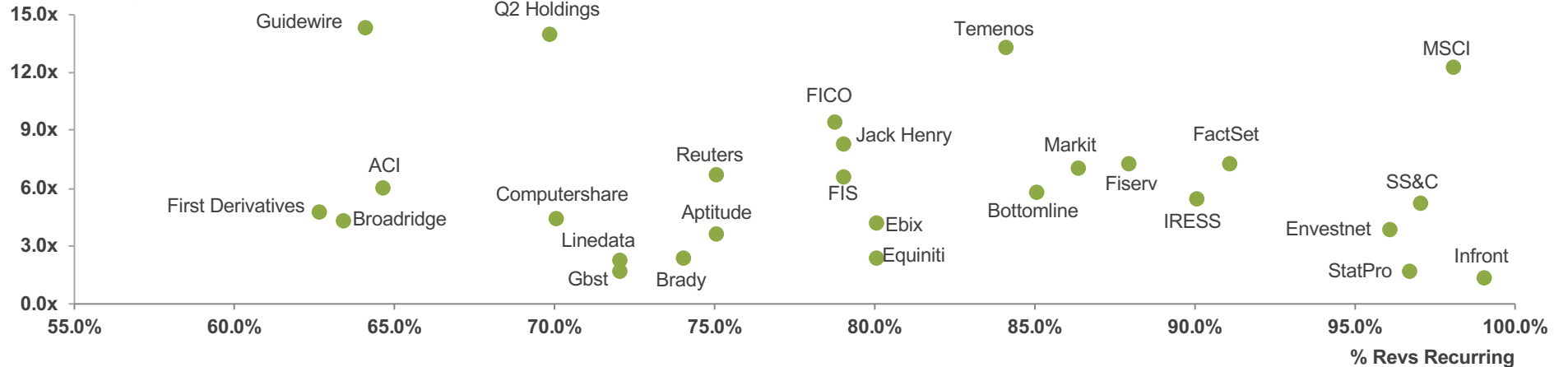
Revenue Multiple

EV/Revenue (CY19E)



Recurring Revenue Multiples

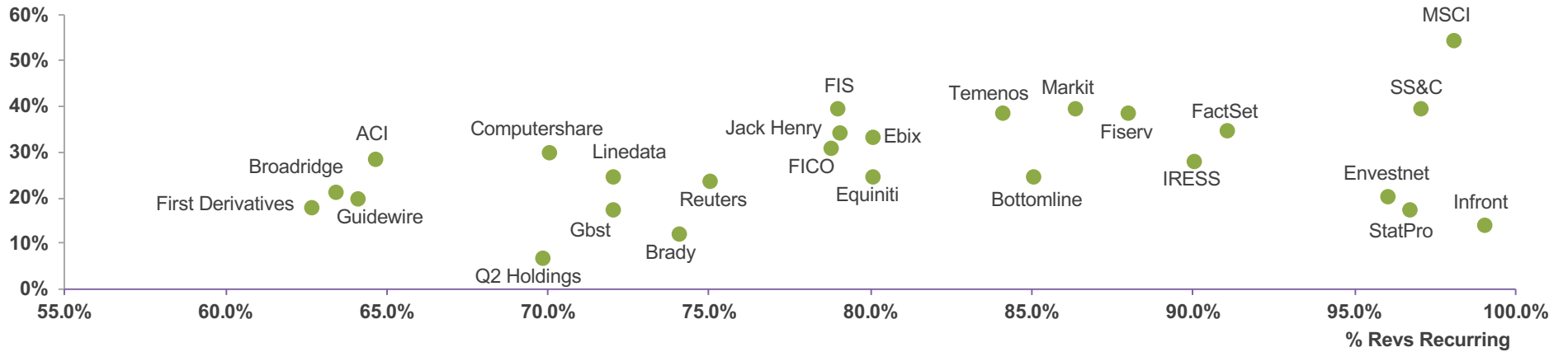
EV/Recurring Rev



EBITDA MARGIN ANALYSIS

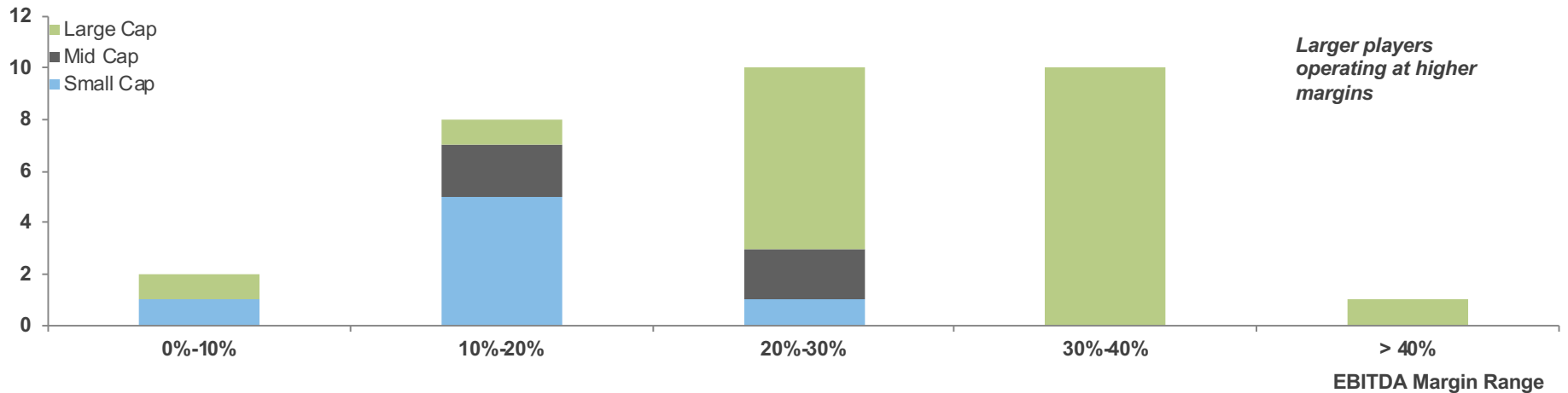
Recurring Revenue as a Driver of Operating Margins

EBITDA Margin (CY19E)



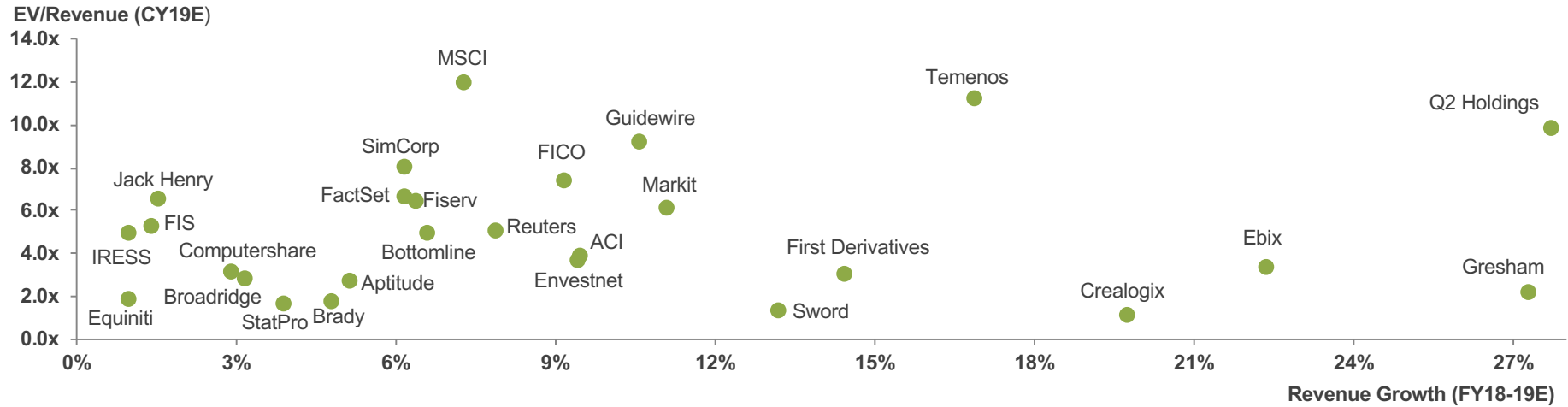
EBITDA Margin Range Distribution

Number of Companies



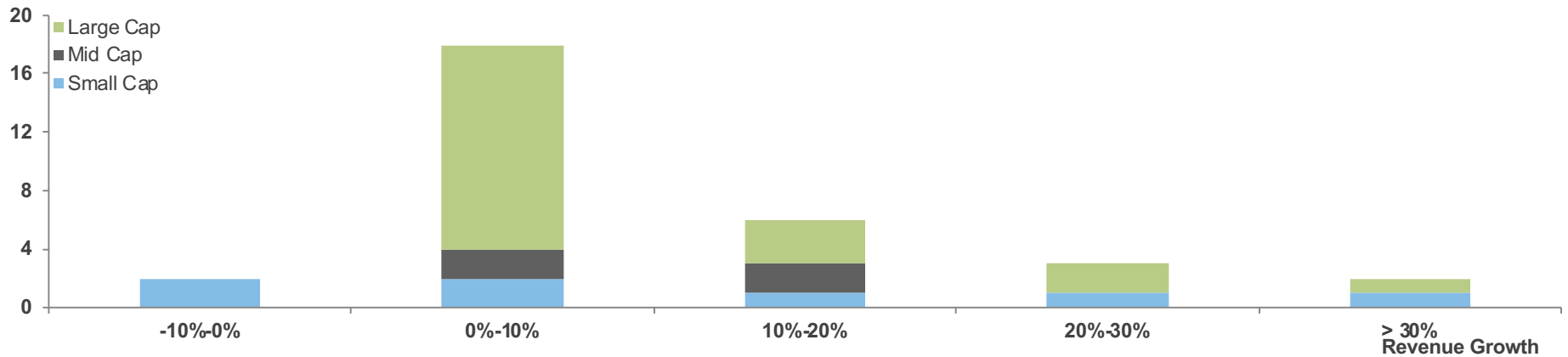
GROWTH AS A VALUE DRIVER

Revenue Growth













Revenue Growth Distribution

Number of Companies













SELECTED FINTECH DEALS – FIRST QUARTER 2019

	<u>Date Announced</u>	<u>Buyer</u>	<u>Target</u>	<u>Target Product Line</u>	<u>Deal Size (m)</u>	<u>Target Revenue (m)</u>	<u>Revenue Multiple</u>	<u>Commentary</u>
InsureTech	03 Jan 2019	Nationwide Mutual Insurance 	E-Risk Services 	Provides insurance program business management SaaS and services, including features for underwriting, indemnity insurance and rating management, API integration and data management	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> • Institutional Shareholder Services (ISS), the leading provider of end-to-end responsible investment and governance solutions to the global financial community, acquired Strategic Insight • Strategic Insight's extensive data sets will enhance ISS Analytics, the data intelligence arm of ISS. That business today tracks more than 13.5 million individual data points across a broad universe of global companies
Banking Software	08 Jan 2019	Linedata Services 	Loansquare 	Provides a platform for setting up and managing commercial loans between borrowers and financial institutions	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> • By acquiring Loansquare, Linedata will enhance the end-to-end capabilities of its platforms and services for lenders • Loansquare now interoperates with Linedata Uniloan360, a servicing platform for commercial and syndicated loans, Linedata Capitalstream, a global commercial loans origination and risk management platform and Linedata Ekip360, a global leasing, car finance and consumer loans solution
Wealth Management Software	08 Jan 2019	Plaid 	Quovo 	Provides account aggregation and data analytics technology for finance	\$200	n.a.	n.a.	<ul style="list-style-type: none"> • Plaid, the fintech startup that enables developers to create financial services applications, announced its first major buy, acquiring Quovo, a startup that aggregates investment data • With the acquisition, Plaid is aiming to expand into the wealth management market • Developers will now be able to integrate a consumer's full financial picture into future financial apps • The acquisition comes a few weeks after Plaid announced it raised \$250m in venture funding
Financial Services Consulting	09 Jan 2019	Accenture 	Orbium 	Provides management consultancy and technology services to the financial services industry, including digital and core banking software for the banking and wealth management industry	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> • The acquisition further strengthens Accenture's ability to provide innovative services to clients in the private-banking and wealth-management space globally • The acquisition also provides Accenture with the expertise of Orbium's global workforce as well as technical assets including project accelerators developed specifically for the Avaloq platform
Payments	09 Jan 2019	Elavon [US Bancorp] 	CenPOS 	Provides online payment systems for large or mid-market companies and merchants	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> • Elavon provider of payment processing and commercial banking services, has acquired CenPOS • CenPOS focuses on three industry verticals: automotive, travel and entertainment (T&E) and general business-to-business transactions, which aligns well with Elavon's strengths • CenPOS' distribution strategy and product capability complement Elavon's assets, all of which make the two entities an excellent fit











Source: 451 Research, CapIQ, Megabyte, target press releases, deal announcements

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Data and Terminals	09 Jan 2019	Institutional Shareholder Services [Vestor Capital Partners] 	Strategic Insight [Genstar Capital] 	Provides proprietary data, business intelligence, research and marketing services for the asset management sector globally. Strategic Insight's parent company Asset International was purchased by Genstar Capital on 6/20/14	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Institutional Shareholder Services (ISS), the leading provider of end-to-end responsible investment and governance solutions to the global financial community, acquired Strategic Insight Strategic Insight's extensive data sets will enhance ISS Analytics, the data intelligence arm of ISS. That business today tracks more than 13.5 million individual data points across a broad universe of global companies
Trading and Risk Management Software	15 Jan 2019	TA Associates 	List 	Provides corporate GRC software and software development services to businesses in the investment and finance industry. Its software provides features for algorithmic trading, creating and managing market models and managing treasury flows	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> The partnership with TA Associates will help List expand its offerings and territories, while continuing to deliver exceptional software and services across a wide range of trading and compliance needs
Payments	16 Jan 2019	Fiserv 	First Data Corp 	Provides electronic commerce and payment processing solutions	\$22,000	\$9,498	4.0x	<ul style="list-style-type: none"> The transaction unites two premier companies to create one of the world's leading payments and financial technology providers The deal is expected to generate c. \$900m of run-rate cost savings and at least \$500m of revenue synergies, leading to enhanced revenue growth from expanded capabilities. These include digital banking, account and card issuer processing and network services, e-commerce and integrated payments The combined company will also offer comprehensive distribution channels and have deep expertise in partnering with financial institutions, merchants and billers of all sizes, as well as software developers
Trading and Risk Management Software	21 Jan 2019	Sapiat 	EM Applications 	Provides investment and market risk analysis and software consultancy services, trading as Equimatrix	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Sapiat delivers a next generation investment intelligence platform By integrating Equimatrix's risk models to Sapiat's platform, new volatility forecasting insights can be created by combining both market and alternative data. Furthermore, Equimatrix's factorisation methodology extends Sapiat's framework for risk-conditioning of investment scenarios across multiple regimes and asset classes With the application of machine intelligence to newer data sources, investors and risk managers will benefit from an enriched short-term view of market conditions, while being able to explore possible longer-term scenarios
RegTech	22 Jan 2019	Cedacri 	OASI Diagram 	Provides software and integrated IT solutions for anti-money laundering and supervisory reporting used by banks, insurance companies and other financial institutions	€151.0	n.a.	n.a.	<ul style="list-style-type: none"> The deal will allow Cedacri, through the integration of OASI's solutions, to further strengthen its leadership in the software and IT services market for financial institutions, as well as to continue its growth path In particular, OASI will offer Cedacri the opportunity to consolidate strategic assets and competencies in the areas of supervisory reporting and anti-money laundering

Source: 451 Research, CapIQ, Megabyte, target press releases, deal announcements

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Banking Software	22 Jan 2019	Transaction Network Services 	R2G Services 	Redistributes market data for all US-based stock, options, futures and single stock futures exchanges. R2G has designed and built an industry leading market data and managed hosting platform	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> With this acquisition, TNS is now a unique full-service managed infrastructure provider that can meet the demanding needs of financial market participants through a single supplier relationship Acquiring R2G strengthens TNS' portfolio of these services as well as enables the R2G solutions to be offered worldwide.
Trading and Risk Management Software	23 Jan 2019	Kyriba Corp 	Rim Tec 	Provides foreign exchange risk management solutions as well as access to detailed currency data and business process context to support the analytics and exposure management needs	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> The agreement will combine two global leaders in cloud treasury and risk management and further enhance Kyriba's capabilities for safeguarding its clients against the entire continuum of financial and operational risk, including FX exposures, payments fraud and regulatory risk The acquisition will create a highly advanced solution for managing global FX risk, including data gathering and consolidation, reporting, analytics, decision support, payments, hedge accounting and more
Research Management Software	23 Jan 2019	Seeking Alpha 	CressCap Investment Research 	Provides analytics platform for investment professionals, which will add advanced quantitative analytics and data	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Analysis and financial-focused website Seeking Alpha has agreed to acquire quantitative stock rating service CressCap Investment Research for an undisclosed amount Seeking Alpha's deal with CressCap appears to be part of a strategy to open up the world of advanced quantitative analysis for the average retail investor Seeking Alpha subscribers will now have access to the type of analysis that would have previously been both extremely difficult to find and cost-prohibitive for retail investors.
Banking Software	24 Jan 2019	Black Mountain Systems [Stone Point Capital] 	Mariana Systems 	Provides financial software solutions. Including a cloud-based credit investment solution that allows asset managers and credit professionals to integrate and support all aspects of the credit portfolio process	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> In addition to accelerating Black Mountain's growing presence in its core markets, the acquisition will further strengthen Black Mountain's leading software platform by enhancing the company's front office capabilities It will also add extensive industry expertise with the addition of the Mariana management team, who bring many years of experience building software solutions for credit managers Black Mountain will integrate components of the Mariana solution into its front office platform and continue to support Mariana's clients
Other	24 Jan 2019	Yodlee [Envestnet] 	Abe AI 	Provides development software that enables financial institutions to build conversational AI-based banking solutions	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Yodlee, a leading data aggregation and analytics platform offering digital financial services, acquired Abe AI which enables Yodlee's new Conversational AI Improving the way Financial Service Providers (FSPs) can interact with their consumers, this new offering is now available to be fully integrated with Yodlee's financial wellness APIs and apps, other retail banking solutions and in the future, Envestnet's wealth management offerings

Source: 451 Research, CapIQ, Megabyte, target press releases, deal announcements

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RegTech	31 Jan 2019	Broadridge Financial Solutions	PivotData (assets)	Certain private fund regulatory reporting capabilities of PivotData, which provide reporting, compliance, portfolio management and data warehousing software for the investment sector. Transaction also includes PivotData partner Sol Hedge	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Broadridge will expand its asset management solutions with Acquisition of PivotData and Sol Hedge's private fund regulatory reporting capabilities These regulatory reporting capabilities will complement Broadridge's existing reporting solutions, helping clients gather appropriate data, calculate what information is needed from a submission perspective and submit data to the appropriate authorities PivotData and Sol Hedge's proprietary data transformation, normalisation and load (ETL) processes and in-house compliance experience will provide clients with a reliable, cost-effective and timely regulatory reporting solution
Research Management Software	04 Feb 2019	R Systems International	Innovizant	Provides data analytics and management services and software for the financial and insurance industry globally. Services include digital transformation, data science, advanced analytics and data engineering	\$4.0	\$3.2	1.3x	<ul style="list-style-type: none"> The acquisition has strengthened R Systems's digital practice with niche data analytics competencies and a marquee customer base in the financial services industry R Systems further said that Innovizant's facilities in Chicago will be used as a Center of Excellence, which will focus on developing new business models that use technologies such as IoT, AI, data science, ML and robotics
RegTech	06 Feb 2019	OTC Markets Group	Qaravan	Provides software and risk & performance analytics tailored to banking and finance industry professionals	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Pursuant to the acquisition, OTC Markets Group will integrate Qaravan's core assets, which include state-of-the-art proprietary technology solutions and buy-side analytics tools Through Qaravan's intuitive online software and integrated Microsoft Excel tools, customers can access interactive versions of FDIC reports and analyse associated regulatory data to perform peer comparisons and prepare regulatory exam materials and investor/board communications
InsureTech	07 Feb 2019	EquiSoft	AGEman	Provides insurance agency software primarily for the Canadian distribution market. Its software facilitates operation management, financial needs analysis (FNA) and CRM	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> With this latest acquisition, Equisoft now offers a full set of integrated solutions in Canada: from life insurance carrier core and sales solutions to MGA sales processing systems, to advanced front-end tools for advisors and brokers Joining Equisoft gives AGEman an increased opportunity to scale operations, as well as providing the financial strength and stability to continue to evolve industry-leading solution By enabling seamless and bi-directional data flow between the carriers, distributors and agents, Equisoft and AGEman are confident that they will add value to the industry and their clients' businesses
Payments	08 Feb 2019	Visa	Earthport	Provides cross-border payment software and services, including features that allows businesses and financial institutions to execute cross-border payments to and allow clients to make peer-to-peer cross-border payments	\$298.7	\$40.3	6.7x	<ul style="list-style-type: none"> The deal comes after a difficult year for Earthport in which it lost a major a customer, saw reduced transaction volumes and underwent a management shake-up However, Earthport's Chairman Sunil Sabharwal said: "The Earthport board believes the offer represents an opportunity for shareholders to realise an immediate and attractive cash value in Earthport today. Visa shares our vision of growth and expansion for Earthport and, as such, we believe it is a suitable and appropriate partner for our employees, partners, customers and other stakeholders."

Source: 451 Research, CapIQ, Megabyte, target press releases, deal announcements

SELECTED FINTECH DEALS – FIRST QUARTER 2019

	<u>Date Announced</u>	<u>Buyer</u>	<u>Target</u>	<u>Target Product Line</u>	<u>Deal Size (m)</u>	<u>Target Revenue (m)</u>	<u>Revenue Multiple</u>	<u>Commentary</u>
RegTech	11 Feb 2019	SAI Global	BWise	Provides enterprise governance, risk and compliance (GRC) software platform	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Combination of SAI Global's industry leading risk and compliance solutions and BWise's award-winning platform advances SAI Global's market leadership Bringing together BWise with SAI Global's software capabilities and innovative Ethics & Compliance Learning content will create the most complete integrated approach to risk management on the market The acquisition elevates SAI Global's internal audit and regulatory compliance management software capabilities, accelerating its ongoing product innovation and commercial growth
Wealth Management Software	12 Feb 2019	Doxim [GI Partners]	Market Connections	Provides online and direct customer communications, campaign management and software development services to wealth management and financial services organisations	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> With this acquisition, Doxim expands its footprint in the wealth management space, welcoming several industry's top organisations as its valued clients and onboarding MCI's team By acquiring MCI, Doxim extends its market reach in the North American wealth management and banking space and enriches its omnichannel campaign management capabilities. Doxim will continue investing into its SaaS Customer Engagement Platform while supporting the evolving needs of its clients across North America Last year, US PE firm GI Partners acquired a majority stake in Doxim
Other	14 Feb 2019	Abacus Group	Proactive Technologies	Provides information technology services exclusively serving hedge funds, private equity and other alternative investment firms	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> The two companies will merge under the Abacus Group umbrella, combining their leading-edge technologies, similar philosophies of premium customer service, operational synergies and talent pools Proactive clients will eventually be able to take advantage of an extensive menu of solutions available on the Abacus Cloud platform, including a hosted voice service, application hosting, 24x7 helpdesk, dedicated cybersecurity team, global presence and a suite of compliance tools within the proprietary Abacus Client Portal The companies have both competed and cooperated on multiple deals
Banking Software	20 Feb 2019	Temenos	Htrunk Software Solutions	Provides big data and analytics application development software for the banking industry. Software enables users to build, manage and deploy big data applications in Apache Hadoop, using connector components to move and transform data without coding	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Through the integration of hTrunk, Temenos will strengthen its Analytics product (which is already recognised as a leading analytics solution in the banking space) and help banks leverage big data technologies, implement modern data lake architecture efficiently and unlock the value of their data In the near term, Temenos also expects to see big data capabilities integrated directly into the Temenos T24 Transact and Temenos Infinity products
InsureTech	21 Feb 2019	BCA	asuro	Designs and develops enterprise software solutions for insurance services	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Asuro will bring in-house software know-how as well as manpower to the BCA for future technical projects With the takeover of the fintech, the broker service provider underlines its objective of securing a market-leading position in the competition of the pools

Source: 451 Research, CapIQ, Megabyte, target press releases, deal announcements

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Retail Investment Technology	21 Feb 2019	Tamarac [Envestnet]	PortfolioCenter [Schwab Performance Technologie]	Provides portfolio management and reporting technology solutions for independent registered investment advisers	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> RIAs have been using PortfolioCenter as the back-end data application with the award-winning Tamarac portfolio management and rebalancing applications for years With this acquisition, Envestnet is uniquely positioned to significantly enhance its integrated technology platform for firms leveraging both systems Envestnet will be able to build on all of the investments made in the technology including: extending it into a cloud-based application, enabling an open architecture eco-system and driving greater efficiency to RIAs who rely on PortfolioCenter
InsureTech	01 Mar 2019	Private Group Led By Astorg Partners	Acturis Group	Provides IT software services to the insurance industry	Undisclosed	£62.2	n.a.	<ul style="list-style-type: none"> Private investment firm Astorg Partners has acquired a minority stake in Acturis Group from Summit Partners Acturis employees will continue to own the majority of the company Astorg will support Acturis' future organic growth and acquisition growth opportunities in the insurance software market
Trading and Risk Management Software	04 Mar 2019	World First [Ant Financial]	CurrencyVue	Develops an integrated foreign exchange payments & hedging and analytics & reporting SaaS solution	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> As part of the acquisition, WorldFirst will integrate CurrencyVue into its own platforms for business customers. The new capabilities will enable the fintech's SME and online seller clients to integrate their international transactions and exposures with leading platforms such as Xero, Netsuite and Quickbooks. The platform also enables businesses to automate payments of foreign currency invoices The acquisition of CurrencyVue comes less than a month after it was revealed that Ant Financial reportedly acquired WorldFirst to further advance its global expansion efforts
Financial Services Consulting	05 Mar 2019	Abrigo [Accel-KKR Company]	Farin Financial Risk Management (FARIN)	Financial services consulting firm, providing asset liability management software and advisory services. Its software provides features for interest rate risk reporting and analysis, budgeting and planning, liquidity analysis and compliance	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Abrigo, a leading technology provider of compliance, credit risk and lending solutions for community financial institutions, acquired Farin Financial Risk Management (FARIN), a leader in the enterprise risk management space According to Wayne Roberts, CEO of Abrigo: "FARIN is a perfect fit for Abrigo's strategy to make big things happen for community financial institutions. With its innovative approaches to asset liability management, FARIN enables its customers to grow and increase profits by managing market and liquidity risk."
Banking Software	05 Mar 2019	Cognizant Worldwide [Cognizant Technology Solutions Corp]	Merit Software	Provides software solutions to the capital market sector. Its FINBOS platform for post-trade processing is an intelligent automation solution for managing taxes, fees, commissions and cash flow functions between financial institutions	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Cognizant and Meritsoft have a track record of working together to provide integrated solutions that leverage the agility of Meritsoft's FINBOS platform and Cognizant's managed services and digital operations capabilities By becoming part of Cognizant, Meritsoft will have access to its knowledge, resources and scale to accelerate growth and innovate the Finbos platform Meritsoft, in turn, brings proven automation expertise in case management, regulatory compliance, payment and settlement of claims and tax and brokerage cash flows

Source: 451 Research, CapIQ, Megabyte, target press releases, deal announcements

SELECTED FINTECH DEALS – FIRST QUARTER 2019

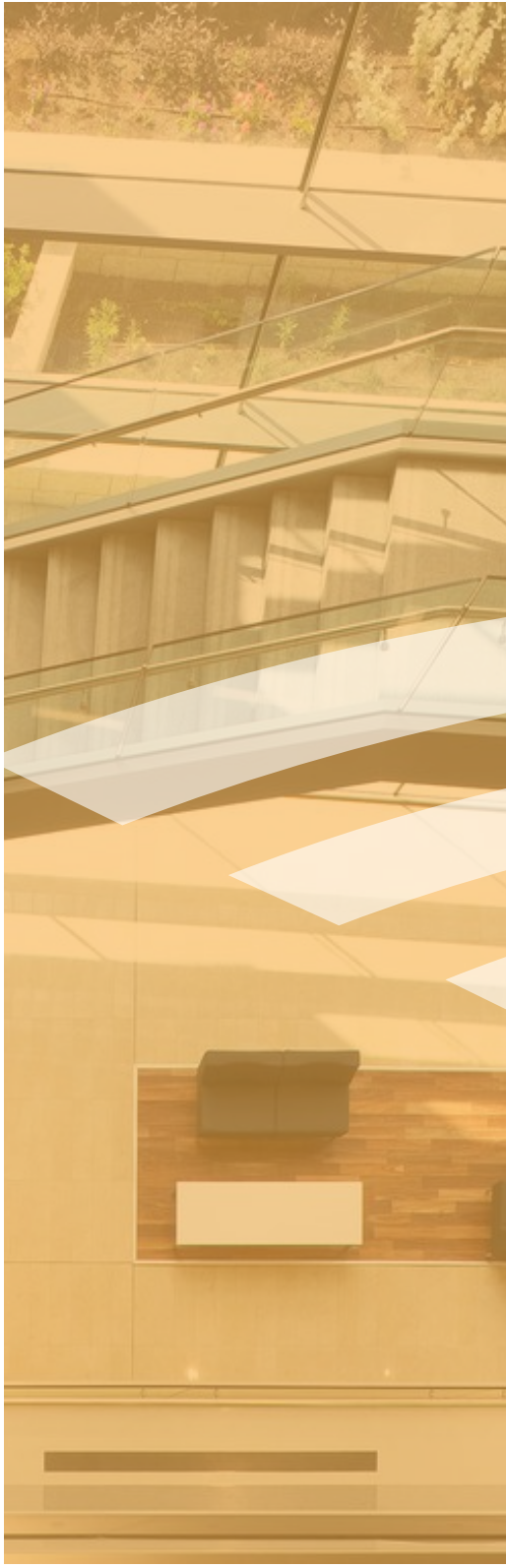
	<u>Date Announced</u>	<u>Buyer</u>	<u>Target</u>	<u>Target Product Line</u>	<u>Deal Size (m)</u>	<u>Target Revenue (m)</u>	<u>Revenue Multiple</u>	<u>Commentary</u>
Wealth Management Software	05 Mar 2019	Financeware	QUODD Financial Information Services	Provides financial market data and information analysis tools for the wealth management industry	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> QUODD will be combined with the data offering of VMS, another Financeware business unit that delivers smart data and information flows in a single, streamlined format Together, QUODD and VMS Data will provide an extensive set of comprehensive data solutions for the wealth management industry spanning multiple asset classes and delivery channels The acquisition reinforces Financeware's commitment to actively identifying and acquiring top innovative and complementary companies across the wealth space
Reg Tech	07 Mar 2019	Cube Logic	FERDEC	Provides trade surveillance SaaS for physical and financial energy and commodity traders. Software enables users to analyse transactions to identify patterns for market abuse and ensure regulatory compliance	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> CubeLogic, a provider of BI-enabled risk management solutions, has been working more informally with FERDEC over the last year By adding FERDEC's robust matching engine for trade surveillance to its RiskCubed product suite will increase breadth and depth in a sought out area of complementary functionality The FERDEC Berlin office will enrich CubeLogic's European footprint and provide further support to their clients in those regions. CubeLogic also intends to place additional staff in the FERDEC office in the near future to bolster its European presence
Banking Software	07 Mar 2019	Mortgage Brain	Criteria Hub	Provides mortgage lender sourcing criteria SaaS for mortgage brokers and lenders in the UK. Enables users to search, identify and compare lender's policies and criteria that matches their clients' needs	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> The acquisition of Criteria Hub demonstrated the next phase in Mortgage Brain's strategy to strengthen and extend the range of technology solutions and services for the benefit of all customers The company stated that Criteria Hub will complement its existing range at a time when mortgage products are becoming more complex and increasing in number The deal will expand Mortgage Brain's customer network beyond the 22,000 users it already has for its products which include Mortgage Brain Classic, Loans Brain and The Key
Retail Investment Technology	14 Mar 2019	Envestnet	PIEtech	Develops financial planning software for financial advisers in financial services industry. Its MoneyGuide is a leading goals-based financial planning application used by financial advisers	\$500	n.a.	n.a.	<ul style="list-style-type: none"> The acquisition of PIEtech establishes Envestnet as a leader in financial planning solutions PIEtech complements and extends Envestnet's existing capabilities with Logix and Apprise, providing advisors and their clients with access to a full spectrum of financial planning solutions, through a deeper integration of MoneyGuide software with Envestnet's integrated technology platform The deal expands the opportunity to offer solutions, both domestically and internationally and is expected to generate compelling financial benefits – e.g. growing a profitable subscription-based recurring revenue model
Trading and Risk Management Software	15 Mar 2019	Management backed by Bowmark Capital	Pirum Systems	Provides a secure, centralised automation and connectivity hub for global securities finance transactions	Undisclosed	£10.4	n.a.	<ul style="list-style-type: none"> The management of Pirum, supported by Bowmark Capital, is to acquire the company from the current investor Five Arrows Principal Investments The company delivers its services to over 120 market participants, providing them with greater efficiency and reduced operational risk Its services are offered over a fully hosted, multi-tenanted SaaS platform that processes over \$2 trillion of trades and collateral daily Pirum has delivered annual revenue growth of 20% over the past three years Most recently, Pirum has developed a new reporting and compliance solution, in partnership with IHS Markit, to address upcoming regulation

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Life and Pensions Administration Software	18 Mar 2019	iPipeline [Thoma Bravo]	BlueSun	Provides sales performance management SaaS to the life insurance and financial services industry in Canada. Software provides features for operations administration management and compliance and data management	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> Acquiring Bluesun enables iPipeline to expand its geographic footprint in Canada and it offers the opportunity to combine the synergies of the two companies Bluesun's software solutions for life insurance sales, case management and policy administration, when combined with iPipeline's extensive offerings, will take its clients to the very leading edge and drive sales, settlement and administration of life insurance through any channel the consumer wants to choose
Data and Terminals	20 Mar 2019	SimplyBiz Group	Regulus Topco	Owens Defaqto, which provides software, consultancy services, data services, ratings, events and publications to financial advisers, banks and insurers, fund managers, insurance brokers, comparison websites and consumers	£74.3	£11.7	8.2x	<ul style="list-style-type: none"> The combination of SimplyBiz and Defaqto creates a single fintech and support services group, which will benefit from an increased number and range of distribution channels Defaqto will also help the group to advance its services into the general insurance and banking markets as it looks to expand its offering Similarly, SimplyBiz will offer Defaqto access to its knowledge and experience of the advisory and asset management markets
Other	22 Mar 2019	BlackRock	eFront [Bridgepoint Capital]	Provides alternative assets software solutions for the private equity, real-estate investment, banking and insurance sectors. It also provides related CRM, GRC management and Web application development software	\$1,300	\$140	9.3x	<ul style="list-style-type: none"> The deal comes as BlackRock, which mostly oversees assets in indexed products, looks to grow its business in technology and alternatives The eFront purchase will add to BlackRock's risk management technology platform called Aladdin. Customers like pension funds, insurance companies and competing asset managers license Aladdin to analyse how a variety of scenarios would affect their holdings, among other uses At the same time BlackRock has been attempting to build up its alternatives business. Last year it purchased Tennenbaum Capital Partners, a private credit manager, and announced plans to raise a new fund
Trading and Risk Management Software	27 Mar 2019	Private Group Led by Bridgepoint	Kyriba Corp	Provides cloud treasury and financial management solutions, enabling customers to control their daily cash management tasks, including maintaining bank balances, tracking transactions, cash positioning and forecasting and investment portfolio reporting	\$160	£110	10.9x	<ul style="list-style-type: none"> The deal will give Bridgepoint a majority stake in the business and value Kyriba at \$1.2 billion Under the terms, Bridgepoint will invest \$60m into product innovation over the next two years Kyriba's unique value proposition resulted in a record growth year in 2018, including surpassing \$110m in revenue and netting 229 new clients In January, Kyriba announced its plans to acquire FIREapps, a leader in enterprise currency management, which will create the industry's most robust, end-to-end solution for managing FX risk
Other	28 Mar 2019	Doxim [GI Partners]	Messaging Direct (MDL)	Provides end-to-end encrypted messaging and customer communications management SaaS to businesses in the financial services industry. Software can be integrated into existing systems and also offers anti-fraud features	Undisclosed	n.a.	n.a.	<ul style="list-style-type: none"> MDL has developed an innovative bi-directional secure messaging platform, CORE360. By adding the capabilities of CORE360 to its technology platform, Doxim, a provider of customer communications and engagement technology, will expand the features of its carrier-grade messaging platform In addition, standardising on one platform with a single set of APIs will simplify product development lifecycles and improve customer support The deal follows the acquisition of Market Connections Last year, US private equity firm GI Partners acquired a majority stake in Doxim from Strattam Capital

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