

Financial BPO / IT Services Market Analysis

FINANCIAL TECHNOLOGY PARTNERS

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Overview of FT Partners



- Financial Technology Partners ("FT Partners") was founded in 2001 and is the only investment banking firm focused exclusively on FinTech
- FT Partners regularly publishes research highlighting the most important transactions, trends and insights impacting the global Financial Technology landscape. Our unique insight into FinTech is a direct result of executing hundreds of transactions in the sector combined with over 15 years of exclusive focus on Financial Technology

FT Partners' Advisory Capabilities



FT Partners' FinTech Industry Research





Named Silicon Valley's #1 FinTech Banker (2016) and ranked #2 Overall by The Information



Ranked #1 Most Influential Person in all of FinTech in Institutional Investors "FinTech Finance 40"



Numerous Awards for Transaction Excellence including "Deal of the Decade"





FT Partners Research - Brazil's Emerging FinTech Ecosystem







Coming Soon...

Brazil is in the midst of a FinTech revolution as the confluence of a number of forces has created a very fertile environment for disruption and innovation in financial services. With the world's fifth largest population, the ninth largest economy and a government encouraging greater competition for a highly concentrated banking ecosystem, Brazil presents a huge growth opportunity for technology-driven financial solutions across payments, banking, lending, insurance, wealth management and other areas.

The report will include:

- An overview of trends in the Brazilian economy and FinTech market
- Exclusive CEO / Executive interviews of companies and investors in the space
- A detailed landscape of FinTech players in Brazil and company profiles
- Proprietary list of financing and M&A transactions in the space

Please visit our website to sign up to receive the report as soon as it is available

Selected FT Partners Transactions





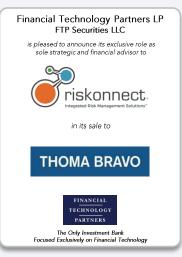
















Significant Experience Advising Large Financing Rounds and "Unicorns"

FT Partners has a history of advising on some of the largest financing transactions in the FinTech space

Representing numerous FinTech "Unicorns" above \$1 billion valuations

		S
Company	Amount Raised	
GreenSky **	\$1,010,000,000	
MERCURY®	420,000,000+	
GreenSky™	300,000,000+	
avidxchange	300,000,000	
avidxchange	253,000,000	
liquidnet:	250,000,000	
square trade protection	238,000,000	
GreenSky **	200,000,000	
YAPSTONE"	181,000,000	
nmi	150,000,000+	
ADDEPAR	140,000,000	
Kabbage [®]	135,000,000	
Remitly	115,000,000	
Tradingscreen SIMPLIFYING GLOBAL MARKETS*	110,000,000+	
CHROMERIVER	100,000,000	(
credit karma	85,000,000	4

selected Prominent Investors in FT Partners Led Rounds
Accel DST VISA TPG Premji Invest
ICONIQ RCP CAPITAL MANAGEMENT PARTNERS TEMASEK
BainCapital PIMCO
BainCapital VENTURES Caisse de dépôt et placement du Québec CARROLL L. L
capitalG CIBC Great Hill
nyca OED Scotiabank°
KeyBank ING
乾源资本 Battery Ventures BBVA
khosla ventures THEL edbi
mastercard
QUESTMARK PARTNERS SUMMIT PARTNERS

SILVERLAKE



FT Partners' International / Cross-Border Capabilities (Selected Examples)

2016	Target	Buyer / Investor	International Aspect
- 2004 ANNUAL AWARDS	Cambridge Colobal Payments	♥ FLEETCOR [®]	*
1&A Advisor Awards	Currencies Direct	Palamon Capital Carsair Capital	
2016 Cross Border	KUBRA	HEARST corporation	**
Deal of the Year	⊘ 07X	IPO	*
T Partners' global presence	Outsource Partners International	EXL	•
offers capabilities reaching far	chi-x	⊗ Bats	
beyond North America, as		WESTERN UNION	**
demonstrated by our numerous	TORA (TRADING SERVICES	Goldman Sadis Bank of America	•
nternational lients and	Lynk	WorldPay	
uccessful ransactions with	EISP	V I S T A EQUITY PARTNERS	•
nternational firms & investors	s um up	BBVA	<u> </u>
	VERUS	sage	
	QUANT TOUR	ViewPoint. Capital Partners.	+
	 Zephyr	informa	+

Equidate's \$50 million Series B Financing

FT Partners Advises Equidate on its Series B Financing



Overview of Transaction

- On July 25, 2018, Equidate announced it has raised \$50 million in a Series B financing round led by Financial Technology Partners ("FT Partners"), Panorama Point Partners and Operative Capital
 - Equidate's existing investors include Peter Thiel, Tim Draper and Scott Banister
- Founded in 2014, Equidate is the leading stock market for private companies
 - The Company's global electronic trading platform connects individual and institutional investors with sellers like venture capitalists and shareholder employees, as well as some of the largest and most prominent private companies themselves

Significance of Transaction

- Responding to the current trend of growth companies staying private much longer, Equidate sees traditional institutional investors becoming significantly more active in the pre-IPO economy
 - Equidate's technology-centric approach is the key to unlocking the market's true potential
- Equidate believes its run-rate of \$1 billion of trade volume this year squarely
 places the company as both the market leader and the fastest growing player

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Equidate
- This transaction underscores FT Partners' domain expertise and its successful track record generating highly favorable outcomes for high growth FinTech companies globally

FTP Securities LLC

is pleased to announce its exclusive role as strategic and financial advisor to



in its Series B financing led by







for total consideration of

\$50,000,000



Next Insurance's \$83 million Series B Financing

FT Partners Advises Next Insurance on its Financing



Transaction Overview

- On July 11, 2018, Next Insurance announced an \$83 million Series B financing round led by Redpoint Ventures
 - Other investors that participated in the round include Nationwide,
 Munich Re, American Express Ventures, Ribbit Capital, TLV Partners,
 SGVC and Zeev Ventures
 - Elliot Geidt, Partner at Redpoint Ventures, will join the board of Next Insurance
- Founded in 2016 and headquartered in Palo Alto, CA, Next Insurance is the leading digital insurance company for small businesses
 - Next Insurance champions technological innovation and sophisticated uses of AI and machine learning to improve customer experience and streamline the insurance purchasing process
- In May 2018, Next announced its new status as a licensed insurance carrier, allowing the Company to write policies independently, as well as to have more freedom over underwriting, setting of prices, and configuring of policies

Significance of Transaction

- The funding will enable Next Insurance to continue its expansion throughout
 the US as a full service insurance carrier, further innovate claims handling, offer
 coverage to many more classes of business, and significantly grow internal
 operations in both the US and Israel
- The Series B round brings Next Insurance's total funding to \$131 million in just two years

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Next Insurance and its Board of Directors
- This transaction underscores FT Partners' successful track record generating highly favorable outcomes for leading InsurTech companies

Financial Technology Partners LP FTP Securities LLC

is pleased to announce its role as exclusive strategic and financial advisor to



in its Series B financing led by



for total consideration of

\$83,000,000



PPRO's \$50 million Minority Financing

FT Partners Advises PPRO on its \$50 million Minority Financing



Overview of Transaction

- On July 16, 2018, PPRO Group ("PPRO") announced it has raised \$50 million in financing led by PayPal (Nasdag:PYPL) with participation from Citi Ventures and return investor HPE Growth Capital
- Headquartered in London, UK, with several offices across Europe and the US, PPRO is leading the under-served alternative payments (acquiring) market
- As alternative payment methods (APMs) such as bank transfers, e-wallets and cash-based e-payments continue to become more popular, merchants are increasingly choosing payment partners based on the ever-expanding range of locally relevant payment methods available
- PPRO, through partnerships with leading payment service providers and financial institutions, provides a single platform and relationship for online merchants to accept more than 250 alternative payment options¹ globally
- PPRO also has a leading consumer digital account issuing business in Europe

Significance of Transaction

- Through this investment, PPRO plans to accelerate the expansion of its payments platform and international presence of its alternative payments acquiring business
- PPRO will also offer a suite of alternative payment methods to PayPal's merchants through the new PayPal Smart Payment Buttons™ product

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to PPRO and its Board of Directors
- This transaction underscores FT Partners' deep Payments domain expertise and its successful track record generating highly favorable outcomes for high growth FinTech companies globally

Financial Technology Partners LP FTP Securities LLC

is pleased to announce its exclusive role as strategic and financial advisor to



in its financing led by



with participation from



for total consideration of

\$ 50,000,000



ING's Minority Investment in TransferMate

FT Partners Advises ING on its Investment in TransferMate



Overview of Transaction

- On July 27, 2018, ING announced that it has reached an agreement to invest €21,000,000 in TransferMate
- TransferMate and ING have also agreed to a strategic partnership across 18 countries in mainland Europe
- Headquartered in Amsterdam, ING is a global financial institution with a strong European base, offering banking services through its operating company ING Bank
 - The purpose of ING Bank is to empower people to stay a step ahead in life and in business
 - ING Bank's more than 51,000 employees offer retail and wholesale banking services to customers in over 40 countries
- Founded in 2010 in Ireland, TransferMate is a cross-border payments platform that harnesses its technology and global banking infrastructure to serve businesses worldwide

Significance of Transaction

 The transaction and partnership will allow ING to better serve its customers by harnessing TransferMate's cross-border API technology and payments licenses to reduce costs and improve cash flow

FT Partners' Role

- FT Partners served as strategic and financial advisor to ING on this transaction
- This transaction further supports FT Partners' continued success in the Payments space and highlights the Firm's versatility in generating attractive outcomes on both the sell-side and the buy-side
- FT Partners leveraged its deep, global industry knowledge and transaction expertise to help achieve a favorable transaction outcome

FTP Securities LLC

is pleased to announce its role as strategic and financial advisor to





on its minority investment in



for a total consideration of

€ 21,000,000



Moneybox's Series B Financing

FT Partners Advises Moneybox on its £14 million Series B Financing



Overview of Transaction

- On July 9, 2018, Moneybox announced it has raised £14 million in a Series B financing round led by Eight Roads
 - Existing investors, Oxford Capital Partners and Samos Investments, also participated in this round
- Headquartered in London, U.K., Moneybox provides consumers with an easy
 way to invest by rounding up everyday purchases to the nearest pound and
 investing the change
 - Moneybox was founded to address the fact that a generation is growing up without the tools, information or confidence needed to build their financial future
 - Moneybox's aim is to provide people with an easy way to start investing, then to continue building their financial future with easy-touse tools and support
 - Since its launch in 2015, Moneybox has helped over 100,000 people begin their investing journey

Significance of Transaction

- Moneybox's Series B financing brings the total funds raised by the Company up to £21 million, and will enable the Company to further build out its team and deliver a best-in-class customer experience
- Additionally, the Company plans to use the funds to develop new products and more content for its customers

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Moneybox
- This transaction underscores FT Partners' strong domain expertise and successful track record in the WealthTech space

Financial Technology Partners LP

is pleased to announce its exclusive role as sole strategic and financial advisor to



in its Series B Financing led by



with participation from

OXFORD CAPITAL



for approximately

£14,000,000



Global Processing Services' £44 million Minority Financing

FT Partners Advises GPS on its Financing



Overview of Transaction

- On June 19, 2018, Global Processing Services ("GPS") announced it has raised £44 million in funding led by Dunedin
 - This is the first external investment accepted by GPS
- Headquartered in Dougal, Isle of Man, with offices in London, UK, GPS is an award-winning proprietary API-based software platform powering leading next generation payments and banking innovators
- GPS is revolutionizing issuer processing by offering disruptive FinTech card programs and mobile first banks with high-speed, direct connectivity to networks and issuers while approving transactions and initiating payment / settlement instructions
 - GPS' developer friendly platform provides market leading, customizable solutions for card programs requesting specific processing features for their customers
 - Strengths in flexibility, implementation and customer service enable
 GPS' clients success with reliable processing and on demand support
- Dunedin is a UK private equity firm targeting buyouts and investments in market leading companies in the UK

Significance of Transaction

- With this latest minority investment, GPS plans to build a world class sales team, additional data centers and continue to fuel international expansion
- The deal is the UK's 3rd largest FinTech financing so far in 2018

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to GPS and its Board of Directors
- This transaction underscores FT Partners' deep Payments domain expertise and tis successful track record generating highly favorable outcomes for high growth FinTech companies globally

Financial Technology Partners LP FTP Securities LLC

is pleased to announce its role as sole strategic and financial advisor to



in its minority financing by



for total consideration of

£ 44,000,000



GreenSky's \$1 billion Initial Public Offering

FT Partners Advises GreenSky on its IPO



Overview of Transaction

- On May 23, 2018, GreenSky (Nasdaq: GSKY) priced its IPO at \$23 per share, raising approximately \$1.01 billion
- Due to strong demand, the deal priced at the high end of the initial \$21 \$23 filing range and the number of shares was increased by 3.9 million, or 11%
- GreenSky will use the IPO proceeds to purchase Holdco units and Class A common stock from its CEO and other officers as well as early equity investors
- GreenSky is a leading FinTech company that powers commerce at the point of sale; the Company's technology platform facilitates merchants sales, while reducing the friction, and improving the economics, associated with a consumer making a purchase and a bank extending financing for that purchase
 - GreenSky has approximately 12,000 active merchants on its platform and the Company has enabled 1.7 million consumers to finance over \$12 billion of transactions since its inception through March 31, 2018

Significance of Transaction

- GreenSky's IPO is the largest U.S. Technology IPO of 2018 and is also the largest U.S. FinTech IPO in over two years¹
- This transaction further supports FT Partners' continued success advising leading FinTech growth companies and also highlights the long-term nature of many of the Firm's advisory relationships

FT Partners' Role

- FT Partners served as IPO Advisor to GreenSky on this transaction
- FT Partners previously advised GreenSky on its \$300 million investment by TPG, Iconiq, Wellington, and DST in 2014, its \$2 billion loan purchase agreement and \$50 million investment by Fifth Third Bank in 2016, and its \$200 million investment by PIMCO in 2017
- FT Partners has leveraged its deep industry knowledge, extensive transaction expertise, and broad scope of relationships to consistently achieve favorable outcomes for GreenSky

Financial Technology Partners LP FTP Securities LLC

is pleased to announce its role as IPO Advisor to



in its

\$1,010,000,000
Initial Public Offering

for a total enterprise value of

\$4,500,000,000



Moneyfarm's £40 million Series B Financing

FT Partners Advises Moneyfarm on its Series B Financing



Overview of Transaction

- On May 29, 2018, Moneyfarm announced it has raised £40 million in a Series B financing round led by Allianz Asset Management, the investment arm of global insurer Allianz
 - Venture Capital firm Endeavor Catalyst and Italian finance firm Fondazione di Sardegna joined the round as new investors, with further funding from existing backers United Ventures and Cabot Square Capital
 - Allianz first invested in Moneyfarm in September 2016
- Headquartered in London, U.K., Moneyfarm is a digital wealth manager operating in both Italy and the U.K.
 - Moneyfarm provides bespoke automated advice and discretionary portfolio management with exposure to multiple asset classes, through its diversified ETF-based portfolios
 - Moneyfarm serves more than 27,000 active investors, manages approximately £400 mm in Assets Under Management, and is led by its co-founders, Paolo Galvani and Giovanni Dapra

Significance of Transaction

- Moneyfarm's Series B financing is the largest funding round by a European digital wealth manager to date, and will enable the Company to drive the next evolution in digital advice
- The Company plans to bolster its product and investment advice offering by exploring the integration of goal-based investments and additional layers of personalization

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Moneyfarm
- This transaction underscores FT Partners' strong domain expertise and successful track record in the WealthTech space

Financial Technology Partners LP FTP Securities LLC

is pleased to announce its exclusive role as sole strategic and financial advisor to



in its Series B Financing from







for approximately

£40,000,000



Central Payment's Sale of its Remaining Stake to TSYS

FT Partners Advises Central Payment



Overview of Transaction

- In April 2018, Central Payment completed a sale of its remaining 15% equity stake to TSYS at a valuation of \$840 mm (1)
- Headquartered in San Rafael, CA, Central Payment is one of the fastest growing payment processors in the country
 - Through Central Payment's innovative approach, the Company provides processing services to over 70,000 businesses across several electronic transaction categories and industries
- TSYS provides electronic payment processing and other services to card-issuing and merchant acquiring institutions worldwide
- FT Partners also represented Central Payment on its initial 60% strategic growth investment with TSYS in 2012 and its subsequent recap in 2014 and 2017

Significance of Transaction

- The transaction provides TSYS with a high-growth and very successful independent agent channel, which supports ongoing growth in its merchant acquiring business
- Additionally, the transaction reiterates Central Payment's ability to leverage TSYS' strategic relationships, processing capabilities and expertise in the sector to further scale the business and pursue additional growth opportunities

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Central Payment and its owners
- This transaction highlights FT Partners' continued dominance in the Payments and Merchant Acquiring space and its leadership position as the "advisor of choice" to the highest quality FinTech Companies

FTP Securities LLC

is pleased to announce its exclusive role as sole strategic and financial advisor to



in the sale of its remaining stake to



for a total valuation of

\$840,000,000



ContaAzul's \$30 million Series D Financing

FT Partners Advises ContaAzul on its Financing



Overview of Transaction

- On April 3, 2018, ContaAzul announced a new round of equity financing of approximately US\$ 30 million led by Tiger Global Management, a New Yorkbased investment firm
- ContaAzul, founded in 2012, provides an innovative, modern and easy-to-use Cloud Accounting Platform tailored to the needs of Brazilian small businesses and their accountants
- With the transaction, Tiger Global which first invested in ContaAzul in 2015 is now expanding its stake in the company
- Endeavor Catalyst, an innovative co-investment fund that invests exclusively in entrepreneurs in the Endeavor Global network, also participated in the round

Significance of Transaction

- The investment recognizes ContaAzul's strong momentum and will help the rapidly growing Company expand and broaden its product offerings and market presence
- The Company's growth strategy is focused on expanding its platform, aiming
 to improve collaboration between small businesses and their accountants,
 while also enhancing its connection capabilities with banks, apps, FinTech
 companies and government institutions

FT Partners' Role

- FT Partners served as sole strategic and financial advisor to ContaAzul and its Board of Directors
- This transaction highlights FT Partners' expertise in the Brazilian FinTech environment and continued success advising top-tier FinTech companies

Financial Technology Partners LP FTP Securities LLC

is pleased to announce its exclusive role as sole strategic and financial advisor to

ContaAzul

in its Series D financing led by

TIGERGLOBAL

with participation from



for total consideration of approximately

\$ 30,000,000



Cayan's \$1.05 billion Sale to TSYS

FT Partners Advises Cayan on its Sale to TSYS



Overview of Transaction

- On December 18, 2017, TSYS announced it has entered into an agreement to acquire Cayan in an all cash transaction valued at approximately \$1.05 billion
 - The transaction is expected to close in Q1 2018
- Cayan, a portfolio company of Parthenon Capital Partners, provides technology led acquiring services to more than 70,000 merchants and 100+ integrated partners in the U.S.
 - The Company's flagship Genius platform delivers a seamless and scalable unified commerce experience across channels
- TSYS (NYSE: TSS) is a leading global payments provider, offering innovative and secure solutions across the payments spectrum from issuer processing and merchant acquiring to prepaid program management

Significance of Transaction

- The acquisition strategically complements TSYS' merchant goals to become a leading payment provider to small and medium size businesses in the U.S.
- The addition of Cayan's unified commerce solutions elevates TSYS' competitive position to jointly offer a broader set of value-add products and services to partners and merchants

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Cayan and its Board of Directors
- FT Partners also advised Cayan on its <u>recapitalization by Parthenon Capital</u>
 <u>Partners</u> along with numerous acquisitions made by the Company
- This transaction highlights FT Partners' continued success advising prominent companies in the Payments and Merchant Acquiring space and its leadership position as the "advisor of choice" to the highest quality FinTech Companies

FTP Securities LLC

is pleased to announce its role as exclusive strategic and financial advisor to



in its 100% cash sale to



for total consideration of approximately

\$ 1,050,000,000



Feedzai's \$50 million Series C Financing

FT Partners Advises Feedzai on its Series C Financing



Overview of Transaction

- On October 17, 2017 Feedzai announced it has raised \$50 million in its Series C financing round from an undisclosed investor with participation from existing investor Sapphire Ventures
- This new funding brings the total venture capital raised to \$82 million from nine major investors including Oak HC/FT, Capital One Growth Ventures, Citi Ventures and more.
- Founded in 2009 and headquartered in San Mateo, CA, Feedzai is a leader in using artificial intelligence to empower enterprises to manage risk and fight fraud in real-time
 - Feedzai's machine learning technology and its omnichannel fraud prevention solutions serve customers that transact in virtually every country in the world, across numerous use cases for leading banks and merchants

Significance of Transaction

- Feedzai will use the capital to continue its rapid growth trajectory
- The Company is on track to more than double its headcount this year from where it was at the end of 2016, planning to reach 300 employees by the end of 2017
- Additionally, Feedzai has added key sales leaders worldwide, including hiring former Box SVP Jim Priestley as Chief Revenue Officer

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Feedzai and its Board of Directors
- FT Partners also represented Feedzai on its \$17.5 million Series B financing from Oak HC/FT, Sapphire Ventures and Espirito Ventures
- This transaction demonstrates FT Partners' continued leadership role advising world-class FinTech companies

Financial Technology Partners LP

is pleased to announce its exclusive role as sole strategic and financial advisor to



in its Series C financing for a total consideration of

\$ 50,000,000





Selected Transactions - Superior Industry Knowledge and Execution History







































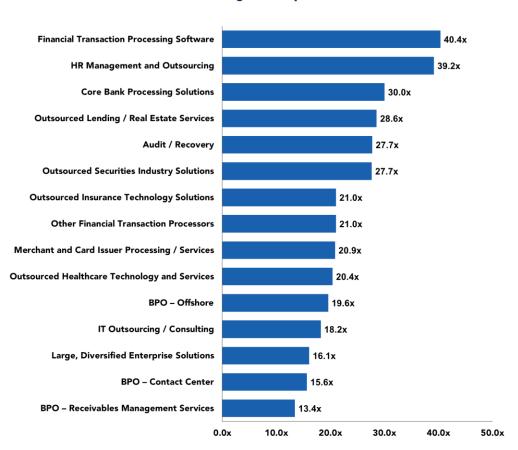




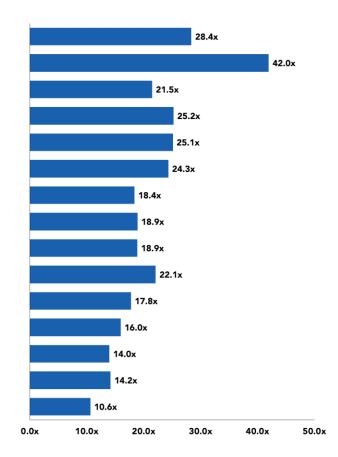
Median Price / Earnings Multiples by FT Sector



2018E Price / Earnings Multiples



2019E Price / Earnings Multiples

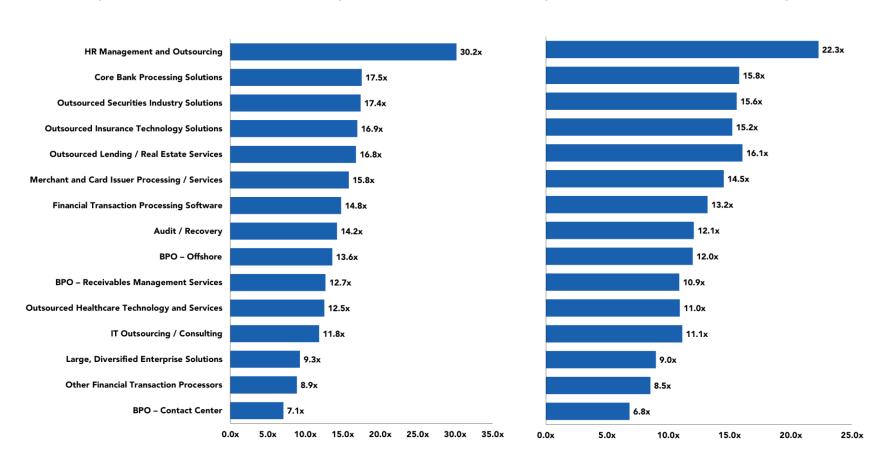


Median Enterprise Value / EBITDA Multiples



Enterprise Value / 2018E EBITDA Multiples

Enterprise Value / 2019E EBITDA Multiples





2018E and 2019E Price / Earnings Multiples and YTD Stock Price Performance

	YTD	Price / E	arnings
Company Name	Change	CY 18E	CY 19E
BPO – CONTACT CENTER			
	04.0/		00.4
Teleperformance	31 %	23.7 x	20.1 x
TeleTech Holdings	(20)	16.7	15.5
Convergys	5	14.5	14.2
Sykes Enterprises	(6)	14.5	12.8
StarTek	na	na	13.0
BPO – OFFSHORE			
WNS Holdings	21 %	29.1 x	28.5 x
Tata Consultancy Services	44	24.9	22.3
Hexaware Technologies	37	23.8	21.1
MindTree	53	22.1	18.4
Mphasis	58	21.9	19.6
Exiservice Holdings	(1)	21.5	19.4
Infosys Technologies	31	19.6	17.8
Genpact	(4)	17.4	15.6
Wipro	(12)	15.5	14.2
Tech Mahindra	35	15.2	14.9
HCL Technologies	8	14.3	13.4
Firstsource Solutions	76	14.0	12.3
iEnergizer	26	4.3	4.1
BPO – RECEIVABLES MANAGEMEN	T SERVICES		
Portfolio Recovery Associates	18 %	19.4 x	14.9 x
Fortiono Recovery Associates	10 76	17.4 X	14.7 X

(14)

7.4

6.4

Encore Capital Group

Asta Funding

	YTD	Price / E	arnings
ompany Name	Change	CY 18E	CY 19E
INANCIAL TRANSACTION PROCESSIN	NG SOFTWARE		
Bottomline Technologies	55 %	42.1 x	34.8 x
ACI Worldwide	14	40.4	28.4
Oracle Financial Services Software	(5)	23.3	20.4
R MANAGEMENT AND OUTSOURCIN	NG .		
Cornerstone OnDemand	40 %	70.3 x	43.8 x
The Ultimate Software Group	27	50.4	42.0
Insperity	66	27.9	24.6
WageWorks	(15)	25.7	22.4
Ceridian	na	nm	63.9
ARGE, DIVERSIFIED ENTERPRISE SOL	UTIONS		
Microsoft	24 %	25.8 x	23.4 x
SAP	7	22.8	20.3
Siemens	4	18.7	14.5
Conduent	11	17.7	14.4
Oracle	1	14.5	13.6
Hewlett-Packard	10	11.4	10.6
IBM	(6)	10.5	10.3
Hitachi	(11)	9.4	8.6

	YTD	Price / E	arnings
Company Name	Change	CY 18E	CY 19E
IT OUTSOURSELLS (CONSULTING			
IT OUTSOURCING / CONSULTING			
Microgen	(14)%	25.5 x	21.7 x
Virtusa	20	24.9	20.5
Accenture	4	23.5	21.5
CACI International	32	21.2	18.8
Syntel	77	20.4	20.0
Be Think, Solve, Execute	(8)	18.3	15.2
Cap Gemini	11	18.2	16.4
Cognizant Technology Solutions	15	18.1	16.0
Open Text	4	14.3	13.2
Atos Origin	(5)	13.2	11.9
Capita Group	(60)	10.6	11.7
DXC Technology Company	(11)	10.4	9.7
Unisys	58	8.2	7.8
AUDIT / RECOVERY			
PRGX	27 %	44.1 x	25.1 x
HMS Holdings	41	27.7	25.3
CGI Group	23	19.6	17.6
Performant Financial Corporation	30	nm	nm



2018E and 2019E Price / Earnings Multiples and YTD Stock Price Performance

	YTD	Price / I	Earnings		YTD	Price / I	Earnings
Company Name	Change	CY 18E	CY 19E	Company Name	Change	CY 18E	CY 19E
CORE BANK PROCESSING SOLUTIONS				OUTSOURCED HEALTHCARE TECHN	OLOGY AND SE	RVICES	
Temenos Group	28 %	53.8 x	46.7 x	Athenahealth	13 %	35.3 x	31.2
Jack Henry & Associates	15	35.0	31.8	Quality Systems	48	27.3	24.5
Polaris Consulting & Services	21	30.0	16.6	Cerner	(8)	24.9	22.1
Fiserv	15	24.2	21.5	Allscripts Healthcare Solutions	(16)	16.0	13.9
Fidelity National Information Services	10	19.7	17.6	Computer Programs & Systems	4	13.5	13.7
Computer Services	11	na	na	Express Scripts	6	8.8	8.4
·				R1 RCM	82	nm	35.6
MERCHANT AND CARD ISSUER PROCES	SING / SER	/ICES					
MasterCard	31 %	30.9 x	26.5 x	OUTSOURCED INSURANCE TECHNO	LOGY SOLUTIO	NS	
Visa	20	28.6	24.6	Verisk Analytics	15 %	26.9 x	24.8
Green Dot	32	26.4	23.2	Ebix	0	21.0	18.4
WEX	34	23.5	20.5	Crawford & Company	(11)	11.3	9.1
Global Payments	12	22.1	19.0				
Total System Services	16	20.9	18.8	OTHER FINANCIAL TRANSACTION P	ROCESSORS		
FleetCor Technologies	13	20.8	18.2	Everi Holdings	(3)%	75.4 x	53.5
Euronet Worldwide	9	16.9	14.9	Automatic Data Processing	15	28.6	24.8
Alliance Data Systems	(11)	9.9	8.7	Paychex	1	27.1	23.6
Discover Financial Services	(7)	9.1	8.3	PayPoint	2	14.9	14.2
Net 1 Ueps Technologies	(21)	5.8	5.9	Western Union	6	10.8	10.4
Square	86	nm	81.4	Moneygram International	(50)	10.1	8.1
				DocuSign	na	nm	nm

JISOURCED LENDING / REAL E Ellie Mae CoStar Group LendingTree Black Knight Financial Services Stewart Information Services Fidelity National Financial First American Corporation Altisource Portfolio Solutions Ocwen Financial JISOURCED SECURITIES INDUS Envestnet MSCI ComputerShare Broadridge Financial Solutions	YTD	Price / E	Earnings		
ompany Name	Change	CY 18E	CY 19		
UTSOURCED LENDING / REAL EST	Change CY 18E CY				
Ellie Mae	11 %	52.8 x	40.1		
CoStar Group	40	52.6	42.1		
LendingTree	(30)	41.5	32.4		
Black Knight Financial Services	17	28.6	25.2		
Stewart Information Services	7	19.1	14.6		
Fidelity National Financial	3	14.4	13.2		
First American Corporation	(0)	12.3	11.7		
Altisource Portfolio Solutions	19	na	na		
Ocwen Financial	27	na	na		
UTSOURCED SECURITIES INDUSTR	Y SOLUTIONS				
Envestnet	18 %	32.3 x	26.5		
MSCI	31	31.7	27.4		
ComputerShare	12	28.5	24.4		
Broadridge Financial Solutions	25	26.8	24.2		
SS&C	31	22.8	18.4		
SEI Investments	(17)	19.1	17.9		

Common Stock Comparison – Summary Analysis



	Med	dian			Mult	iples			Grov	vth Rate	es	Margins		
	Mkt Cap	EV	Price / E	arnings	EV / E	BITDA	EV / Re	venue	Reven	ue	EPS	EBIT	DA	P/E/G
omparable FT Industry Segment	(\$ mm)	(\$ mm)	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E C	Y 19E	LT	CY 18E	CY 19E	CY 18E
Large, Diversified Enterprise Solutions	\$ 124,270	\$ 143,826	16.1 x	14.0 x	9.3 x	9.0 x	1.8 x	1.7 x	2 %	3 %	8 %	19 %	19 %	1.8 x
Merchant and Card Issuer Processing / Services	17,420	22,855	20.9	18.9	15.8	14.5	6.3	5.8	12	9	16	35	36	1.2
Outsourced Securities Industry Solutions	10,815	12,337	27.7	24.3	17.4	15.6	4.5	4.0	7	8	14	30	32	2.0
Core Bank Processing Solutions	11,112	11,270	30.0	21.5	17.5	15.8	6.2	5.9	2	6	13	37	37	2.1
Other Financial Transaction Processors	8,198	8,477	21.0	18.9	8.9	8.5	4.1	4.0	4	5	8	24	25	2.6
Outsourced Lending / Real Estate Services	3,504	5,400	28.6	25.2	16.8	16.1	5.4	5.6	3	6	18	17	21	2.4
IT Outsourcing / Consulting	4,327	5,354	18.2	16.0	11.8	11.1	1.5	1.4	5	5	10	14	15	1.9
Outsourced Healthcare Technology and Services	2,178	4,255	20.4	22.1	12.5	11.0	2.0	1.9	5	5	13	18	17	1.7
BPO – Receivables Management Services	937	3,879	13.4	10.6	12.7	10.9	3.8	3.5	12	9	13	31	32	0.6
HR Management and Outsourcing	3,996	3,744	39.2	42.0	30.2	22.3	5.6	5.1	10	10	16	20	23	1.8
Financial Transaction Processing Software	3,056	3,665	40.4	28.4	14.8	13.2	5.6	5.1	6	8	14	25	28	2.6
BPO – Offshore	3,298	3,038	19.6	17.8	13.6	12.0	2.3	2.1	12	10	13	17	18	1.6
Outsourced Insurance Technology Solutions	2,503	2,849	21.0	18.4	16.9	15.2	6.2	5.5	11	7	14	36	36	1.7
BPO – Contact Center	1,481	1,709	15.6	14.2	7.1	6.8	0.9	0.9	4	4	9	12	13	1.6
Audit / Recovery	1,125	1,202	27.7	25.1	14.2	12.1	1.8	1.7	9	5	13	16	17	2.2
Median Mean			21.0 x 24.0	18.9 x 21.2	14.2 x 14.6	12.1 x 12.9	4.1 x 3.8	4.0 x 3.6	6 % 7	6 % 7	13 % 13	20 % 24	23 % 25	1.8 x 1.9

FINANCIAL **TECHNOLOGY PARTNERS**

				Market	Enterprise	Multiples							owth Rat	tos	Margins		
	Price	% MTD		Value (\$ mm)	Value (\$ mm)	Price / E	arnings	EV / EI		EV / Re	venue	Reve		EPS	EBIT		P/E/G
Company Name	07/31/18	Change						CY 18E				CY 18E (Y 19E	LT	CY 18E C		CY 18E
BPO – CONTACT CENTER																	
Teleperformance	\$ 183.50	4 %	97 %	\$ 10,602	\$ 12,104	23.7 x	20.1 x	13.3 x	11.7 x	2.3 x	2.1 x	6%	11 %	na	18 %	18 %	na
Convergys	24.60	1	92	2,254	2,335	14.5	14.2	7.1	6.8	0.9	0.9	(5)	0	9	12	13	1.6
TeleTech Holdings	32.15	(7)	73	1,481	1,709	16.7	15.5	8.1	7.3	1.1	1.1	3	4	20	14	15	0.8
Sykes Enterprises	29.66	3	86	1,264	1,192	14.5	12.8	6.7	6.1	0.7	0.7	6	4	9	10	11	1.6
StarTek	7.68	na	97	131	159	na	13.0	2.7	2.3	0.2	0.2	nm	6	na	8	9	na
Median		2 %	92 %			15.6 x	14.2 x	7.1 x	6.8 x	0.9 x	0.9 x	4 %	4 %	9 %	12 %	13 %	1.6 x
Mean		0	89			17.4	15.1	7.6	6.8	1.1	1.0	2	5	13	13	13	1.3
BPO – OFFSHORE																	
Tata Consultancy Services	\$ 28.32	5 %	96 %	\$ 108,428	\$ 102,967	24.9 x	22.3 x	18.8 x	16.8 x	5.1 x	4.6 x	15 %	12 %	15 %	27 %	27 %	1.7 >
Infosys Technologies	19.91	4	98	43,298	43,283	19.6	17.8	14.5	13.6	3.8	3.5	11	9	10	26	26	2.0
HCL Technologies	14.08	4	87	19,688	19,675	14.3	13.4	10.3	9.4	2.4	2.2	12	10	9	23	23	1.6
Wipro	4.04	6	83	18,275	15,2 9 6	15.5	14.2	10.0	9.4	1.9	1.8	3	6	8	19	19	2.0
Tech Mahindra	9.92	4	93	8,881	8,365	15.2	14.9	10.2	10.0	1.7	1.6	11	6	12	17	16	1.3
Genpact	30.38	5	87	5,837	6,721	17.4	15.6	13.6	12.3	2.3	2.1	9	8	10	17	17	1.7
Mphasis	16.83	6	93	3, 29 8	3,038	21.9	19.6	16.3	14.4	2.8	2.5	17	13	14	17	17	1.6
WNS Holdings	48.66	(7)	89	2,454	2,322	29.1	28.5	16.1	15.1	2.9	2.7	14	9	12	18	18	2.4
MindTree	13.58	(6)	84	2,227	2,125	22.1	18.4	14.6	12.0	2.2	1.9	23	15	17	15	16	1.3
Hexaware Technologies	6.78	1	83	2,068	1,963	23.8	21.1	18.2	15.2	2.9	2.5	17	15	14	16	17	1.7
Exlservice Holdings	59.64	5	93	2,061	1,890	21.5	19.4	12.4	10.6	2.2	1.9	15	12	14	17	18	1.5
Firstsource Solutions	1.05	2	86	735	845	14.0	12.3	12.4	11.3	1.5	1.4	7	12	23	12	12	0.6
iEnergizer	0.58	(12)	79	109	131	4.3	4.1	3.4	3.4	0.8	8.0	5	4	na	24	23	na
Median		4 %	87 %			19.6 x	17.8 x	13.6 x	12.0 x	2.3 x	2.1 x	12 %	10 %	13 %	17 %	18 %	1.6 x
Mean		1	89			18.7	17.0	13.1	11.8	2.5	2.3	12	10	13	19	19	1.6

FINANCIAL **TECHNOLOGY PARTNERS**

				Market	Enterprise	Multiples						Gro	wth Ra	tes	Marg		
	Price	% MTD	% LTM	Value	Value	Price / E	Price / Earnings		EV / EBITDA		EV / Revenue		nue	EPS	EBITDA		P/E/G
Company Name	07/31/18	Change	High	(\$ mm)	(\$ mm)	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E (CY 19E	CY 18E (Y 19E	LT	CY 18E (CY 19E	CY 18E
BPO - RECEIVABLES MANAGEMENT S	ERVICES																
Encore Capital Group	\$ 36.10	(1)%	69 %	\$ 937	\$ 4,469	7.4 x	6.4 x	9.8 x	8.7 x	3.3 x	3.0 x	14 %	9%	13 %	34 %	35 %	0.6 x
Portfolio Recovery Associates	39.20	2	90	1,775	3,879	19.4	14.9	15.6	13.1	4.3	3.9	10	10	na	28	30	na
Asta Funding	3.10	(9)	27	21	90	na	na	na	na	na	na	na	na	na	na	na	na
Median		(1)%	69 %			13.4 x	10.6 x	12.7 x	10.9 x	3.8 x	3.5 x	12 %	9 %	13 %	31 %	32 %	0.6 x
Mean		(3)	62			13.4	10.6	12.7	10.9	3.8	3.5	12	9	13	31	32	0.6
AUDIT / RECOVERY																	
CGI Group	\$ 64.49	1 %	96 %	\$ 19,164	\$ 20,366	19.6 x	17.6 x	12.5 x	11.9 x	2.3 x	2.2 x	6 %	3 %	10 %	18 %	19 %	2.0 x
HMS Holdings	23.93	11	97	2,031	2,188	27.7	25.3	16.0	15.0	3.8	3.6	10	7	13	24	24	2.2
PRGX	9.05	(7)	88	218	217	44.1	25.1	8.7	7.2	1.2	1.1	8	9	13	14	16	3.5
Performant Financial Corporation	2.15	0	61	111	142	nm	nm	71.2	12.3	0.9	0.9	20	(5)	na	1	8	na
Median		0 %	92 %			27.7 x	25.1 x	14.2 x	12.1 x	1.8 x	1.7 x	9 %	5 %	13 %	16 %	17 %	2.2 x
Mean		1	85			30.5	22.7	27.1	11.6	2.1	2.0	11	3	12	14	16	2.6



				Market	Enterprise			Multi	ples			Gro	owth Rat	tes	Marg	jins	
	Price	% MTD	% LTM	Value	Value	Price / E	arnings	EV / EI	BITDA	EV / Re	venue	Reve	nue	EPS	EBIT	DA	P/E/
Company Name	07/31/18	Change	High	(\$ mm)	(\$ mm)	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E (CY 19E	CY 18E (CY 19E	LT	CY 18E C	Y 19E	CY 18E
HR MANAGEMENT AND OUTSOURCING																	
The Ultimate Software Group	\$ 276.89	8 %	93 %	\$ 8,484	\$ 8,346	50.4 x	42.0 x	30.2 x	24.9 x	7.3 x	6.3 x	21 %	16 %	26 %	24 %	25 %	1.9
Ceridian	32.76	(1)	77	4,419	5,705	nm	63.9	38.0	32.4	7.8	7.2	na	7	40	20	22	na
Insperity	95.10	(O)	91	3,996	3,744	27.9	24.6	17.2	15.2	1.0	0.9	14	10	16	6	6	1.7
Cornerstone OnDemand	49.40	4	89	2,931	2,851	70.3	43.8	31.3	22.3	5.6	5.1	6	10	15	18	23	4.6
WageWorks	52.80	6	76	2,111	1,463	25.7	22.4	9.0	8.3	2.9	2.7	7	6	15	32	33	1.7
Median		4 %	89 %			39.2 x	42.0 x	30.2 x	22.3 x	5.6 x	5.1 x	10 %	10 %	16 %	20 %	23 %	1.8
Mean		3	85			43.6	39.3	25.1	20.6	4.9	4.5	12	10	22	20	22	2.5
Accenture Cognizant Technology Solutions	\$ 159.33 81.50	(3)%	94 %	\$ 102,093 47 808	\$ 98,545 43,751	23.5 x	21.5 x	14.3 x	13.5 x	2.5 x	2.3 x	12 % 10	7 % 9	10 % 14	17 % 21	17 % 22	2.3
IT OUTSOURCING / CONSULTING																	
Cognizant Technology Solutions	81.50		96	47,808	43,751	18.1	16.0	12.8	11.2	2.7	2.5	10	9	14	21	22	1.3
DXC Technology Company	84.74	5	79	24,272	30,353	10.4	9.7	6.2	6.1	1.4	1.4	12	(2)	9	22	23	1.2
Cap Gemini	128.50	(5)	92	21,560	23,193	18.2	16.4	10.8	10.2	1.5	1.4	2	6	7	14	14	2.7
Atos Origin	134.41	(2)	85	14,210	14,500	13.2	11.9	7.1	6.5	1.0	1.0	(2)	4	6	14	15	2.1
Open Text	37.20	6	92	9,980	12,044	14.3	13.2	11.8	11.1	4.2	4.2	8	1	15	36	38	1.0
CACI International	175.20	4	97	4,327	5,354	21.2	18.8	12.9	12.4	1.2	1.1	4	5	10	9	9	2.1
Syntel	40.59	26	99	3,368	3,568	20.4	20.0	14.4	13.9	3.7	3.6	5	3	11	26	26	1.9
Capita Group	2.12	1	24	1,414	3,107	10.6	11.7	5.6	5.5	0.6	0.6	(5)	(7)	(7)	11	11	nm
Virtusa	52.83	9	95	1,578	1,761	24.9	20.5	28.5	29.5	2.9	2.0	(38)	43	21	10	7	1.2
Unisys	12.85	(O)	85	655	676	8.2	7.8	1.7	1.7	0.2	0.2	1	(O)	na	14	15	na
Microgen	5.26	(9)	78	338	340	25.5	21.7	15.8	13.9	3.7	3.6	10	5	na	24	26	na
Be Think, Solve, Execute	1.07	2	81	144	164	18.3	15.2	7.4	6.6	1.0	0.9	7	8	na	14	14	na
Median		2 %	92 %			18.2 x	16.0 x	11.8 x	11.1 x	1.5 x	1.4 x	5 %	5 %	10 %	14 %	15 %	1.9
Mean		3	84			17.5	15.7	11.5	10.9	2.0	1.9	2	6	10	18	18	1.7



				Market	Enterprise			Multi	ples			Gro	wth Ra	tes	Marg	gins	
	Price	% MTD	% LTM	Value	Value	Price / E	arnings	EV / E	BITDA	EV / Re	venue	Rever	nue	EPS	EBIT	DA	P/E/C
Company Name	07/31/18	Change	High	(\$ mm)	(\$ mm)	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E (CY 19E	CY 18E C	Y 19E	LT	CY 18E CY	CY 19E	CY 18E
LARGE, DIVERSIFIED ENTERPRISE SO	LUTIONS																
Microsoft	\$ 106.08	8 %	95 %	\$ 815,034	\$ 771,382	25.8 x	23.4 x	15.8 x	14.1 x	6.6 x	6.0 x	15 %	10 %	14 %	42 %	43 %	1.8 x
Oracle	47.68	8	89	193,339	187,353	14.5	13.6	10.0	9.6	4.7	4.5	3	4	9	47	47	1.7
IBM	144.93	4	85	133,079	166,826	10.5	10.3	8.6	8.4	2.1	2.1	2	(O)	1	24	25	nm
SAP	116.68	1	94	140,954	144,240	22.8	20.3	14.7	13.7	5.0	4.6	5	8	8	34	34	2.8
Siemens	141.58	7	96	115,461	143,412	18.7	14.5	11.1	10.0	1.5	1.4	0	7	7	13	14	2.6
Hitachi	6.96	(O)	82	33,621	44,457	9.4	8.6	4.2	4.3	0.5	0.5	2	2	13	13	12	0.7
Hewlett-Packard	23.08	2	93	37,271	38,075	11.4	10.6	8.1	7.8	0.7	0.6	7	2	9	8	8	1.2
Conduent	17.96	(1)	85	3,647	5,289	17.7	14.4	7.8	7.4	1.0	1.0	(9)	(3)	5	12	13	3.5
Median		3 %	91 %			16.1 x	14.0 x	9.3 x	9.0 x	1.8 x	1.7 x	2 %	3 %	8 %	19 %	19 %	1.8 x
Mean		3	90			16.3	14.5	10.0	9.4	2.7	2.6	3	4	8	24	24	2.1
FINANCIAL TRANSACTION PROCESSI	NG SOFTWARE																
Oracle Financial Services Software	\$ 56.60	(5)%	88 %	\$ 4,841	\$ 4,465	23.3 x	20.4 x	14.8 x	13.2 x	6.4 x	6.0 x	6 %	8 %	11 %	43 %	45 %	2.1 x
ACI Worldwide	25.84	5	92	3,056	3,665	40.4	28.4	14.2	12.2	3.5	3.4	1	4	14	25	28	3.0
Bottomline Technologies	53.90	8	92	2,206	2,254	42.1	34.8	23.9	20.7	5.6	5.1	11	10	16	23	24	2.6
Median		5 %	92 %			40.4 x	28.4 x	14.8 x	13.2 x	5.6 x	5.1 x	6 %	8 %	14 %	25 %	28 %	2.6 x
Mean		3	91			35.2	27.9	17.6	15.4	5.2	4.8	6	7	14	31	32	2.6



				Market	Enterprise			Multi	ples			Gro	wth Rat	tes	Mar	gins	
	Price	% MTD	% LTM	Value	Value	Price / E	arnings	EV / EI	BITDA	EV / Re	venue	Rever	nue	EPS	EBIT	DA	P/E/
Company Name	07/31/18	Change	High	(\$ mm)	(\$ mm)	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E (CY 19E	CY 18E C	Y 19E	LT	CY 18E (CY 19E	CY 18
CORE BANK PROCESSING SOLUTIONS																	
Fidelity National Information Services	\$ 103.13	(3)%	94 %	\$ 34,755	\$ 43,222	19.7 x	17.6 x	13.7 x	12.9 x	5.1 x	4.9 x	(7)%	3 %	13 %	37 %	38 %	1.5
Fiserv	75.48	2	97	31,557	35,779	24.2	21.5	16.2	15.8	6.2	5.9	2	5	11	38	37	2.1
Temenos Group	159.50	6	97	11,807	12,075	53.8	46.7	37.1	33.2	14.3	12.8	14	12	16	39	38	3.5
Jack Henry & Associates	134.70	3	96	10,416	10,464	35.0	31.8	19.2	16.9	6.6	6.3	7	6	12	35	37	3.0
Computer Services	51.75	4	89	726	692	na	na	na	na	na	na	na	na	na	na	na	na
Polaris Consulting & Services	6.92	2	99	717	640	30.0	16.6	17.5	9.5	2.1	1.3	2	64	31	12	14	1.0
Median		3 %	96 %			30.0 x	21.5 x	17.5 x	15.8 x	6.2 x	5.9 x	2 %	6 %	13 %	37 %	37 %	2.1
Vlean		2	95			32.5	26.9	20.7	17.7	6.9	6.2	4	18	17	32	33	2.2
Visa Master Card	\$ 136.74		96 %	\$ 305,235	\$ 315,431	28.6 x	24.6 x	21.1 x	18.6 x			13 %	11 %	18 %	70 %		1.6
MERCHANT AND CARD ISSUER PROCES			96 %	\$ 305 235	¢ 215 /21	28.6 v	216 v	211 v	10 A v	14.9 x	13.4 x	13 %	11 %	10 %	70 %	72 %	1.6
MasterCard	198.00		92	207,316	205,522	30.9	26.5	23.0	20.2	13.7	12.2	20	13	20	60	60	1.5
Discover Financial Services	71.41		87	24,920	94,498	9.1	8.3	na	na	8.8	8.3	8	6	11	na	na	0.8
Alliance Data Systems	224.88	` '	81	12,461	33,607	9.9	8.7	15.8	14.2	4.1	3.8	5	9	12	26	27	0.8
Square	64.65		88	29,907	29,331	nm	81.4	nm	64.6	19.7	14.5	nm	36	nm	17	22	na
FleetCor Technologies	217.00		96	20,285	23,795	20.8	18.2	17.5	15.5	9.8	9.0	8	9	16	56	58	1.3
Global Payments	112.57	1	94	18,005	21,916	22.1	19.0	15.8	14.2	5.6	5.1	11	9	18	35	36	1.2
Total System Services	91.54	8	94	16,835	20,610	20.9	18.8	15.3	14.2	5.4	5.1	12	7	13	35	36	1.5
WEX	189.82	(O)	95	8,255	10,325	23.5	20.5	16.6	14.8	7.0	6.4	18	10	20	42	43	1.2
Euronet Worldwide	91.94	10	91	4,875	4,626	16.9	14.9	9.5	8.3	1.8	1.6	13	10	13	19	20	1.4
Green Dot	79.32	8	94	4,200	2,848	26.4	23.2	11.7	10.3	2.8	2.6	14	9	na	24	25	na
Net 1 Ueps Technologies	9.34	3	71	522	518	5.8	5.9	na	na	0.9	0.8	(1)	10	15	na	na	0.4
rect roeps rectifiologies																	
Median		3 %	93 %			20.9 x	18.9 x	15.8 x	14.5 x	6.3 x	5.8 x	12 %	9 %	16 %	35 %	36 %	1.2



				Market	Enterprise			Multi	ples			Gro	owth Rat	tes	Mar	gins	
	Price	% MTD	% LTM	Value	Value	Price / E	arnings	EV / E	BITDA	EV / Re	venue	Reve	nue	EPS	EBIT		P/E/G
Company Name	07/31/18	Change	High	(\$ mm)	(\$ mm)	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E (CY 19E	CY 18E (CY 19E	LT	CY 18E (CY 19E	CY 18E
OTHER FINANCIAL TRANSACTION P	ROCESSORS																
Automatic Data Processing	\$ 134.99	1 %	95 %	\$ 59,716	\$ 59,425	28.6 x	24.8 x	19.7 x	17.1 x	4.3 x	4.0 x	8 %	7 %	15 %	22 %	24 %	2.0 x
Paychex	69.02	1	94	24,886	24,461	27.1	23.6	17.4	16.1	7.1	6.6	7	7	8	41	41	3.3
Western Union	20.16	(1)	91	9,306	11,513	10.8	10.4	8.2	0.8	2.0	2.0	4	3	4	24	25	2.6
DocuSign	53.90	2	na	8,198	8,477	nm	nm	nm	nm	12.9	10.7	27	20	na	5	9	na
Everi Holdings	7.35	2	82	543	1,569	75.4	53.5	6.9	6.4	3.5	3.4	(55)	5	na	52	53	na
Moneygram International ⁽¹⁾	6.54	(2)	38	364	1,070	10.1	8.1	4.2	4.0	0.7	0.7	(4)	1	na	16	17	na
PayPoint	12.23	(O)	86	834	774	14.9	14.2	9.5	9.1	4.1	4.7	(32)	(13)	na	43	52	na
Median		1 %	88 %			21.0 x	18.9 x	8.9 x	8.5 x	4.1 x	4.0 x	4 %	5 %	8 %	24 %	25 %	2.6 x
Mean		0	81			27.8	22.4	11.0	10.1	4.9	4.6	(7)	4	9	29	31	2.6
OUTSOURCED HEALTHCARE TECHN					* ** ***												
Express Scripts	\$ 79.46		93 %	\$ 44,925	\$ 42,613	8.8 x	8.4 x	5.5 x	5.4 x	0.4 x	0.4 x	1 %	2 %	12 %	8 %	8 %	0.7 x
Cerner	62.08	4	84	20,844	20,368	24.9	22.1	12.5	11.4	3.8	3.5	4	8	15	30	31	1.7
Athenahealth	150.71	(5)	92	6,172	6,213	35.3	31.2	16.5	14.9	4.6	4.2	10	10	21	28	28	1.7
Allscripts Healthcare Solutions	12.24	2	76	2,178	4,255	16.0	13.9	9.8	9.1	2.0	1.9	18	5	16	20	20	1.0
Quality Systems	20.13	3	95	1,302	1,310	27.3	24.5	15.5	14.7	2.4	2.3	2	5	7	16	16	4.0
R1 RCM	8.02	(8)	85	921	947	nm	35.6	17.7	6.4	1.1	0.9	nm	25	na	6	14	na
Computer Programs & Systems	31.20	(5)	90	421	562	13.5	13.7	10.7	11.0	1.9	1.9	5	3	6	18	17	2.3
Median		2 %	90 %			20.4 x	22.1 x	12.5 x	11.0 x	2.0 x	1.9 x	5 %	5 %	13 %	18 %	17 %	1.7 x
Mean		(1)	88			21.0	21.3	12.6	10.4	2.3	2.1	7	8	13	18	19	1.9



				Market	Enterprise			Multi	ples			Gro	wth Rat	tes	Mar	gins	
	Price	% MTD	% LTM	Value	Value	Price / E	arnings	EV / EI		EV / Re	venue	Rever	nue	EPS	EBIT		P/E/0
Company Name	07/31/18	Change	High	(\$ mm)	(\$ mm)	CY 18E	CY 19E	CY 18E	CY 19E	CY 18E (CY 19E	CY 18E C	Y 19E	LT	CY 18E (CY 19E	CY 18E
OUTSOURCED INSURANCE TECHNO	LOGY SOLUTION	NS															
Verisk Analytics	\$ 110.62	3 %	96 %	\$ 19,190	\$ 21,819	26.9 x	24.8 x	19.3 x	17.8 x	9.2 x	8.5 x	11 %	7 %	14 %	47 %	48 %	1.93
Ebix	79.35	4	91	2,503	2,849	21.0	18.4	16.9	15.2	6.2	5.5	27	11	15	36	36	1.4
Crawford & Company	8.52	(2)	69	476	691	11.3	9.1	5.7	5.3	0.6	0.6	1	3	na	11	11	na
Median Mean		3 % 2	91 % 85			21.0 x 19.8	18.4 x 17.4	16.9 x 14.0	15.2 x 12.8	6.2 x 5.3	5.5 x 4.9	11 % 13	7 % 7	14 % 14	36 % 32	36 % 32	1.7 x 1.7
OUTSOURCED LENDING / REAL EST	ATE SERVICES																
CoStar Group	\$ 415.85	1 %	93 %	\$ 15,251	\$ 14,285	52.6 x	42.1 x	35.5 x	28.8 x	12.0 x	10.4 x	23 %	15 %	17 %	34 %	36 %	3.1
Fidelity National Financial	40.50	8	82	11,466	11,695	14.4	13.2	10.3	9.7	1.5	1.4	3	3	na	14	15	na
Black Knight Financial Services	51.65	(4)	91	7,600	9,093	28.6	25.2	16.8	15.2	8.1	7.5	6	8	15	48	49	1.9
Ocwen Financial	3.98	1	82	533	7,526	na	na	na	na	7.6	8.4	(17)	(10)	na	na	na	na
Ellie Mae	99.22	(4)	85	3,504	3,273	52.8	40.1	24.9	18.8	6.6	5.6	20	17	19	26	30	2.8
LendingTree	238.80	12	59	3,284	3,236	41.5	32.4	21.4	16.9	4.3	3.5	23	22	35	20	21	1.2
Stewart Information Services	45.44	6	96	1,078	1,086	19.1	14.6	9.6	7.7	0.6	0.5	(1)	2	na	6	7	na
Altisource Portfolio Solutions	33.31	14	92	571	843	na	na	12.9	na	1.0	na	(13)	na	na	8	na	na
First American Corporation	56.00	8	89	6,255	na	12.3	11.7	na	na	na	na	1	3	na	14	15	na
Median Mean		6 % 5	89 % 86			28.6 x 31.6	25.2 x 25.6	16.8 x 18.8	16.1 x 16.2	5.4 x 5.2	5.6 x 5.4	3 % 5	6 % 8	18 % 21	17 % 21	21 % 25	2.4 x 2.3
OUTSOURCED SECURITIES INDUSTR	Y SOLUTIONS		88			31.0	25.0	10.0	10.2	3.2	3.4			21	21	25	2.3
MSCI	\$ 166.19	0 %	94 %	\$ 14,815	\$ 16,044	31.7 x	27.4 x	20.5 x	18.4 x	11.2 x	10.3 x	13 %	9 %	13 %	55 %	56 %	2.5
Broadridge Financial Solutions	112.98	(2)	94	13,624	14,475	26.8	24.2	17.9	16.0	3.4	3.2	(O)	7	13	19	20	2.0
SS&C	53.07	2	94	11,754	13,666	22.8	18.4	12.9	9.9	4.0	3.3	nm	23	16	31	33	1.4
ComputerShare	18.19	(1)	96	9,876	11,008	28.5	24.4	16.9	15.2	4.9	4.7	1	4	14	29	31	2.1
SEI Investments	59.94	(4)	77	9,721	8,564	19.1	17.9	14.6	13.8	5.2	5.0	7	5	12	36	36	1.6
Envestnet	58.60	7	93	2,731	3,110	32.3	26.5	20.3	16.8	3.8	3.4	20	13	14	19	20	2.3
Median Mean		(O)% O	94 % 91			27.7 x 26.9	24.3 x 23.2	17.4 x 17.2	15.6 x 15.0	4.5 x 5.4	4.0 x 5.0	7 % 8	8 % 10	14 % 14	30 % 31	32 % 33	2.0 x

FT Partners' Monthly FinTech Sector Market Analysis



U.S. FinTech IPO Tracker







Filing Date	IPO Date	Company	Amount Raised	IPO Price	Current Price	Current Market Cap	Total Return	Sector	Research Profile
06/01/18	06/28/18	EVERQUOTE	\$84 mm	\$18.00	\$15.03	\$373 mm	-17%	Insurance	VIEW
05/25/18	06/21/18	i3 Verticals	87	13.00	14.97	403	15%	Payments	VIEW
05/11/18	06/15/18	A valara	180	24.00	38.34	2,545	60%	FMS	VIEW
04/27/18	05/24/18	GreenSky	1,010	23.00	17.30	3,327	-25%	Banking	VIEW
04/30/18	05/23/18	PAYMENTS INTERNATIONAL	224	21.50	21.15	365	-2%	Payments	VIEW
03/26/18	04/26/18	CERIDIAN	462	22.00	32.76	4,478	49%	FMS	VIEW
03/20/18	04/26/18	Docu Sign.	629	29.00	53.90	8,440	86%	FMS	VIEW
03/16/18	04/12/18	zuora	154	20.00	24.53	2,636	23%	FMS	VIEW
01/12/18	02/09/18	card lytics	70	13.00	18.82	381	45%	Payments	VIEW
12/26/17	01/24/18	pagseguro	2,265	21.50	26.92	8,794	25%	Payments	VIEW
11/13/17	12/20/17	LEXIN乐信	108	9.00	12.75	2,112	42%	Banking	VIEW
10/23/17	12/06/17	SCURO FILANCIAL TECHNOLOGIES CORP	93	14.00	26.03	1,191	86%	Banking	VIEW
10/13/17	11/09/17	抑护 袋 ppdai.com	221	13.00	4.54	1,365	-65%	Banking	VIEW
09/29/17	11/02/17	和信贷 hexindai.com	50	10.00	9.26	467	-7%	Banking	VIEW
10/13/17	10/17/17	趣店 Qudian.com	900	24.00	7.75	2,525	-68%	Banking	VIEW
06/30/17	07/28/17	REDFIN	138	15.00	24.50	2,144	63%	Banking	VIEW

Financial BPO / IT Services Sectors M&A

Selected Large / Significant M&A Transactions



IERGERS 8	& ACQUISITIONS				
Announced Date	Transaction Overview	Company	Selected Buyers / Investors	Amount (\$mm)	Researce Profile
08/31/16	Genesys Telecommunications Acquires ININ Group for \$1.4 bn	ININ Group	Genesys Telecommunications	\$1,400	
06/14/18	Teleperformance has Agreed to Acquire Intelenet for \$1 bn	Intelenet Global Services	Teleperformance	1,000	
10/17/17	Siris Capital Group has Agreed to Acquire Intralinks for \$1 bn	Intralinks	Siris Capital Group	1,000	
10/05/16	Permira Acquires Tricor for \$835 mm	Tricor Group	Permira	835	
12/06/16	Synchronoss Technologies Acquires Intralinks for \$821 mm	IntraLinks	Synchronoss	821	
05/23/17	Clayton, Dubilier & Rice has Agreed to Acquire Majority Stake in Capco Group for \$477 mm in Cash	Capco Group	Clayton, Dubilier & Rice	477	
12/06/16	ICBPI has Agreed to Acquire Bassilichi for Approximately \$245 mm	Bassilichi	ICBPI	245	
03/27/17	DST Systems has Agreed to Acquire Boston Financial Data Services	Boston Financial Data Services	DST Systems	158	
10/03/16	Cognizant Technology Solutions Acquires Frontica Business Solutions for Approximately \$128.2 mm	Frontica Business Solutions	Cognizant Technology Solutions	128	
08/02/16	Outsourcing UK Acquires Liberata for Approximately \$56.3 mm	Liberata	Outsourcing UK	56	
04/24/17	HCL has Agreed to Acquire URBAN FULFILLMENT SERVICES for \$30 mm in Cash	URBAN FULFILLMENT SERVICES	HCL Technologies	30	
01/30/18	Datawatch has Agreed to Acquire Angoss for \$24.5 mm in Cash	Angoss	Datawatch	25	
11/01/17	Resources Connection Acquires Accretive Solutions for \$19.4 mm in Cash	Accretive Solutions	Resources Connection	19	
04/26/17	Rosslyn Analytics has Agreed to Acquire Integritie for Approximately \$3.2 mm	Integritie	Rosslyn Analytics	3	
03/27/17	Arvato Financial Solutiosn Acquires Intervalor	Intervalor	Arvato Financial Solutions	na	
08/24/17	Accenture acquires Verax	Verax	Accenture	na	
09/06/16	Vista Equity Partners Acquires RDC	RDC	Vista Equity Partners	na	
06/16/17	Tangoe and Asentinel Merge	Asentinel	Tangoe	na	
03/14/17	Genpact has Agreed to Acquire RAGE Frameworks	RAGE Frameworks	Genpact	na	

Financial BPO / IT Services Sectors M&A

Highlighted Recent M&A Transactions



MERGERS	& ACQUISITIONS		
Date	Acquirer / Target	Value (\$ mm)	Comments
06/14/18	Teleperformance Transforming Passion into Excellence Intelenet	\$1,000	 Intelenet provides customer experience management outsourcing to banking, financial services and insurance companies among others Teleperformance (ENXTPA:TEP) provides outsourced customers relationship management worldwide On June 14, 2018, Teleperformance announced it has agreed to acquire Intelenet for approximately \$1 billion Teleperformance acquired Intelenet from Blackstone (NYSE:BX), who had acquired the target back in June 2007
06/06/18	Invesco	na	 IntelliFlo offers advisor-focused technology solutions for financial advisors in the UK Invesco (NYSE:IVZ) is a global investment manager, servicing retail, institutional and private wealth management clients On June 6, 2017, Invesco announced it has agreed to acquire IntelliFlo The acquisition will allow Invesco to increase its market focus in the UK Financials terms of the transaction were not disclosed
08/24/17	accenture VERAX We Deliver Results	na	 VERAX offers IT strategy, enterprise architecture, project and program management, financial risk and compliance consulting solutions to leading banking, insurance and capital markets companies Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations across 40 different industries On August 24, 2017, Accenture announced that they have acquired VERAX; financial terms of the transaction were not disclosed The addition of VERAX will complement and enhance Accenture's consulting and technology capabilities in Canada

Financial BPO / IT Services Sectors M&A

Highlighted Recent M&A Transactions (cont.)



MERGERS 8	& ACQUISITIONS		
Date	Acquirer / Target	Value (\$ mm)	Comments
03/27/17	BERTELSMANN TINTERVALOR	na	 Intervalor provides business process outsourcing services and offers loans or sale of goods and consumer services through telemarketing, after sales services and credit processing services Arvato is an international provider of technology and business process management services On March 27, 2017, Arvato announced that it had increased its holding in Intervalor to 81.5% after initially acquiring 40% ownership in June 2015 Financials terms of the transaction were not disclosed but the local executive structure will remain the same
10/05/16	PERMIRA tricor	\$835	 Tricor Holdings Limited provides integrated business, corporate and investor services in Asia Pacific Founded in 1985, Permira is a global investment firm that has over 200 private equity investments across 5 key sectors including Consumer, Financial Services, Healthcare Industrials and Technology On October 5, 2016, Permira announced that a company backed by Permira funds, has agreed to acquire Tricor Holdings Tricor's management will become investors in Tricor alongside the Permira funds
10/03/16	Cognizant Frontica	128	 Frontica Business Solutions is comprised of the IT and BPO business segments of Frontica Business Group Cognizant is a leading provider of information technology, consulting and business process services On October 3, 2016, Cognizant entered into a definitive agreement to acquire Frontica Business Solutions

Financial BPO / IT Services Sectors M&A

Selected Recent M&A Transactions



INULIND & AC	QUISITIONS			
nnounced Date	Transaction Overview	Company	Selected Buyers / Investors	Amount (\$mm)
07/17/18	BC Partners Agrees to Acquire NAVEX Global	Navex Global	BC Partners; Noble Rock Advisors	na
06/14/18	Teleperformance has Agreed to Acquire Intelenet for \$1 bn	Intelenet Global Services	Teleperformance	\$1,000
06/06/18	Invesco Acquires Intelliflo	IntelliFlo	Invesco Ltd.	na
06/05/18	Dimension Data and The Merchants Group Acquire Millennium 1 Solutions	Millennium1 Solutions	The Merchants Group; Dimension Data	na
05/10/18	Tessi SA has Agreed to Acquire Owliance	Owliance	Tessi SA	na
04/18/18	Water Street Healthcare Partners and JLL Partners Acquire Triplefin	Triplefin	Water Street; JLL Partners	na
03/27/18	Broadridge Financial Solutions Acquires ActivePath	Activepath	Broadridge Financial Solutions	na
03/16/18	Alithya Group Acquires Edgewater Technology	Edgewater Technology	Alithya Group	na
01/30/18	Datawatch has Agreed to Acquire Angoss for \$24.5 mm in Cash	Angoss	Datawatch	25
11/01/17	Resources Connection has Agreed to Acquire Accretive Solutions for \$19.4 mm in Cash	Accretive Solutions	Resources Connection	19
10/17/17	Siris Capital Group Acquires Intralinks for \$1 bn	IntraLinks	Siris Capital Group	1,000
08/28/17	Forcepoint Acquires RedOwl	RedOwl Analytics	Forcepoint	na
08/24/17	Accenture acquires Verax	Verax	Accenture	na
07/27/17	AltaLink Capital Acquires Efficient Forms	Efficient Forms	AltaLink Capital	na
07/07/17	Vertex Customer Management has Agreed to Acquire Firstsource Solution's Portion of India Domestic Business	Firstsource Solution's Portion of India Domestic Business	Vertex Customer Management	na
06/16/17	Tangoe and Asentinel Merge	Asentinel	Tangoe	na
05/23/17	Clayton, Dubilier & Rice Acquires Majority Stake in Capco Group for \$477 mm in Cash	Capco Group	Clayton Dubilier & Rice	477
04/26/17	Rosslyn Analytics has Agreed to Acquire Integritie for Approximately \$3.2 mm	Integritie	Rosslyn Analytics	3
04/24/17	HCL has Agreed to Acquire URBAN FULFILLMENT SERVICES for \$30 mm in Cash	URBAN FULFILLMENT SERVICES	HCL Technologies	30
04/04/17	OMERS Private Equity has Agreed to Acquire Inmar	Inmar	OMERS Private Equity; ABRY Partners; Wells Fargo Securities	na
03/27/17	Arvato Financial Solutions Acquires an Additional 41.5% Stake in Intervalor	Intervalor	arvato Finance AG	na
03/27/17	DST Systems has Agreed to Acquire Boston Financial Data Services	Boston Financial Data Services	DST Systems	158

Financial BPO / IT Services Sectors M&A

Selected Recent M&A Transactions (cont.)



MERGERS & AC	QUISITIONS			
Announced Date	Transaction Overview	Company	Selected Buyers / Investors	Amount (\$mm)
03/14/17	Genpact has Agreed to Acquire RAGE Frameworks	RAGE Frameworks	Genpact	na
03/08/17	Tradeshift Acquires IBX Group from Capgemini	IBX Group	Tradeshift	na
02/15/17	ManpowerGroup has Agreed to Acquire Ciber Spain	Ciber Spain	Manpower	na
01/19/17	PSIGEN Software Acquires Cabinet	Cabinet	PSIGEN Software	na
01/03/17	Xerox Completes the Spin-off of Conduent in its IPO	Conduent	Undisclosed Investors	na
12/06/16	ICBPI has Agreed to Acquire Bassilichi for Approximately \$245 mm	Bassilichi	ICBPI	\$245
12/06/16	Synchronoss Technologies Acquires Intralinks for \$821 mm	IntraLinks	Synchronoss	821
11/04/16	BC Partners and Medina Capital Acquires Easy Solutions	Easy Solutions	BC Partners; Medina Capital	na
10/05/16	Permira Acquires Tricor for \$835 mm	Tricor Group	Permira	835
10/03/16	Cognizant Technology Solutions Acquires Frontica Business Solutions for Approximately \$128.2 mm	Frontica Business Solutions	Cognizant Technology Solutions	128
09/29/16	IBM Acquires Promontory Financial Group	Promontory Financial Group	IBM	na
09/28/16	SourceHOV Acquires TransCentra	TransCentra	SourceHOV	na
09/19/16	HgCapital Acquires Visma BPO	Visma BPO	HgCapital	na
09/13/16	Ant Financial Acquires EyeVerify	EyeVerify	Ant Financial	na
09/06/16	Vista Equity Partners Acquires RDC	RDC	Vista Equity Partners	na
09/06/16	EXL Acquires IQR Consulting	IQR Consulting	EXL Service	na
08/31/16	Genesys Telecommunications Acquires ININ Group for \$1.4 bn	ININ Group	Genesys Telecommunications	1,400
08/02/16	OUTSOURCING UK Acquires Liberata for Approximately \$56.3 mm	Liberata Limited	Outsourcing UK	56
07/27/16	OMERS and Harvest Partners Acquire Epiq for \$1 bn	EPIQ Systems Inc.	OMERS Private Equity; Harvest Partners	1,000
06/24/16	Vistra Group Acquires Ujwal Management Services	Ujwal Management Services	Vistra	na
06/13/16	Total System Services Acquires TSYS Managed Services EMEA	TSYS Managed Services EMEA	TSYS	na
06/06/16	Midigator Acquires B4 Enterprises	B4 Enterprises	Midigator	na

FINANCIAL **TECHNOLOGY PARTNERS**

Selected Large / Significant Financing Transactions

FINANCIN	GS				
Announced Date	Transaction Overview	Company	Selected Buyers / Investors	Amount (\$mm)	Research Profile
05/25/17	Billtrust Secures \$50 mm in Financing from Riverwood Capital	Billtrust	Riverwood Capital	\$50	VIEW
01/26/17	WorkFusion Secures \$35 mm in Series D Financing	WorkFusion	Georgian Partners; RTP Ventures; Greycroft Partners; iNovia Capital; Mohr Davidow Ventures; Nokia Growth Partners	35	
04/27/17	UiPath Secures \$30 mm in Series A Finanicing Led by Accel	UiPath	Accel Partners; Earlybird Venture Capital; Credo Ventures; Seedcamp	30	
11/15/16	eOriginal Secures \$26.5 mm in Financing Led by LLR Partners	eOriginal, Inc	LLR Partners	27	
11/14/17	TrueAccord Secures \$22 mm in Series B Financing led by Arbor Ventures	TrueAccord	Arbor Ventures; NYCA Partners; Assurant; Caffeinated Capital; Felicis Ventures; TenOneTen; Crystal Towers	22	
11/01/17	Resources Connection has Agreed to Acquire Accretive Solutions for \$19.4 mm in Cash	Accretive Solutions	Resources Connection	19	
01/31/18	Bench Secures \$18 mm in Series B1 Financing Led by iNovia Capital	Bench	iNovia Capital; Bain Capital Ventures; Altos Ventures; Silicon Valley Bank	18	
03/29/18	Midaxo Secures Approximately \$16 mm in Series B Financing Led by Idinvest Parnters	Midaxo	Idinvest Partners; Finnish Industry Investment; EOC Capital; Undisclosed Investors	16	
07/30/18	AntWorks Secures \$15 mm in Series A Financing from SBI Investment	AntWorks	SBI Investment	15	
10/20/16	TravelBank Secures \$10 mm in Series A Financing Led by NEA	TravelBank	New Enterprise Associates; Accel Partners	10	
01/05/17	NGData Secures \$9.2 mm in Additional Series B Financing Led by Idinvest	NGData	Idinvest Partners; PAMICA; SmartFin Capital; Capricorn Venture Partners; Nausicaa Ventures; Undisclosed Investors	9	
01/05/17	Klipfolio Secures Approximately \$9 mm in Series B Financing Led by OMERS Ventures	Klipfolio	OMERS Ventures; BDC Venture Capital; Mistral Venture Partners; FundFire; BOLDstart Ventures; Acadia Woods Partners; Converge Venture Partners	9	
03/28/18	SpyCloud Secures \$5 mm in Series A Financing from Silverton Partners and March Capital Partners	SpyCloud	Silverton Partners; March Capital Partners	5	
05/02/17	Iconixx Secures \$4.2 mm in Financing Led by Ballast Point Ventures	Iconixx Corporation	Ballast Point Ventures; Harbert Venture Partners; S3 Ventures; Undisclosed Investor(s)	4	
11/14/16	Midaxo Secures \$4 mm in Series A Financing Led by EOC Capital and Finnish Industry Investments	Midaxo	EOC Capital; Finnish Industry Investment	4	

FINANCIAL TECHNOLOGY PARTNERS

Highlighted Recent Financing Transactions

FINANCING	FINANCINGS					
Date	Target / Investor(s)	Value (\$ mm)	Comments			
01/31/18	Bench Investor(s): iNovia Capital; Bain Capital Ventures; Altos Ventures; Silicon Valley Bank	\$18	 Bench automates accounting tasks for small businesses and independent contractors for a monthly fee, pairing its intuitive software with a live bookkeeping team On January 31, 2018, Bench announced that it closed a \$18 mm Series B1 round led by iNovia Capital, with participation from Bain Capital Ventures, Altos Ventures and Silicon Valley Bank The new capital will allow Bench to further develop its cognitive augmentation platform, grow their employees and expand overall 			
11/14/17	Investor(s): Arbor Ventures; NYCA Partners; Assurant; Caffeinated Capital; Felicis Ventures; TenOneTen; Crystal Towers	22	 TrueAccord is a data driven debt collection platform which improves recovery rates and reduces compliance risk for customers On November 14, 2017, TrueAccord announced it has raised \$22 million in a Series B financing round led by Arbor Ventures, with participation from existing and new investors including Nyca Investment Partnership, Assurant Growth Investing, Caffeinated Capital Fund, Felicis Venture, TenOneTen and Crystal Towers The funding will assist TrueAccord's initiatives such as product development, continued expansion and client acquisition 			
10/17/17	Investor(s): Visa VIEW RESEARCH PROFILE	NA	 Billtrust is the pioneer of payment cycle management, helping clients automate and accelerate their accounts receivable (AR) processes to increase cash flow, improve operational efficiency and increase customer satisfaction On October 17, 2017, Visa announced today a strategic partnership with and equity investment in Billtrust This effort is part of a multi-pronged strategy Visa and Billtrust are pursuing to support growth in the B2B segment FT Partners served as exclusive strategic and financial advisor to Billtrust and its Board of Directors 			



Highlighted Recent Financing Transactions (cont.)

FINANCING	FINANCINGS						
Date	Target / Investor(s)	Value (\$ mm)	Comments				
05/25/17	Investor(s): Riverwood Capital VIEW RESEARCH PROFILE	\$ 50	 On May 25, 2017, Billtrust announced it has raised \$50 million in a minority financing round from Riverwood Capital The new funds will help Billtrust expand as the leading independent provider of payment cycle management solutions FT Partners served as exclusive strategic and financial advisor to Billtrust and its Board of Directors 				
12/13/16	SOCURE Investor(s): Flint Capital, ff Venture Capital, Santander Innoventures, Two Sigma Ventures	13	 Socure's technology applies machine-learning techniques with biometrics and trusted online/offline data intelligence from email, phone, IP, social media and the broader Internet to power next-generation multi-factor authentication in real-time On December 13, 2016, Socure announced that it has secured \$13 mm in financing round led by Flint Capital The funding will be used to scale operations and innovate its digital identity verification platform 				
05/03/16	Bench Investor(s): Bain Capital Ventures; Altos Ventures; Contour Venture Partners	16	 Bench automates accounting tasks for small businesses and independent contractors for a monthly fee, pairing its intuitive software with a live bookkeeping team On May 3, 2016, Bench announced that it closed a \$16 mm Series B round led by Bain Capital Ventures, with participation by Altos Ventures and Contour Venture Partners The new round, which brings total capital raised to \$33 mm, will go toward significant product enhancements and the rollout of a new product 				

Selected Recent Financing Transactions



FINANCINGS				
Announced Date	Transaction Overview	Company	Selected Buyers / Investors	Amount (\$mm)
07/30/18	AntWorks Secures \$15 mm in Series A Financing from SBI Investment	AntWorks	SBI Investment	\$15
07/18/18	Venminder Secures \$5 mm in Series B Financing Led by MissionOG	Venminder	MissionOG; Bain Capital Ventures	5
05/31/18	Vivtera Secures Financing from Warburg Pincus	Vitera	Warburg Pincus	na
03/29/18	Midaxo Secures Approximately \$16 mm in Series B Financing Led by Idinvest Parnters	Midaxo	Idinvest Partners; Finnish Industry Investment; EOC Capital; Undisclosed Investors	16
03/28/18	SpyCloud Secures \$5 mm in Series A Financing from Silverton Partners and March Capital Partners	SpyCloud	Silverton Partners; March Capital Partners	5
03/14/18	Imagenet Secures Financing From Caltius Structured Capital	lmagenet	Caltius Equity Partners	na
03/14/18	Demica Secures Financing from Wyelands Capital	Demica	Wyelands Capital	na
01/31/18	Bench Securies \$18 mm in Series B Financing Led by iNovia Capital	Bench	Inovia Capital; Bain Capital Ventures; Altos Ventures; Silicon Valley Bank	18
11/14/17	TrueAccord Secures \$22 mm in Series B Financing Led by Arbor Ventures	TrueAccord	Arbor Ventures; NYCA Partners; Assurant Growth Investing; Caffeinated Capital; Felicis Ventures; TenOneTen; Crystal Towers	22
10/17/17	Billtrust Secures Financing	Billtrust	Visa	na
09/28/17	CMS Infosystems Files for its IPO	CMS Infosystems	Undisclosed Investors	na
09/27/17	Newgen Software Technologies Files for its IPO	Newgen Software Technologies	Undisclosed Investors	na
07/17/17	ZeroChaos Secures Financing from The Carlyle Group	ZeroChaos	The Carlyle Group	na
06/29/17	ClauseMatch Secures Approximately \$1.6 mm in Seed Financing	ClauseMatch	Speedinvest	2
05/25/17	Billtrust Secures \$50 mm in Financing from Riverwood Capital	Billtrust	Riverwood	50
05/02/17	Iconixx Secures \$4.2 mm in Financing Led by Ballast Point Ventures	Iconixx Corporation	Ballast Point Ventures; Harbert Venture Partners; S3 Ventures; Undisclosed Investors	4
04/27/17	UiPath Secures \$30 mm in Series A Finanicing Led by Accel	UiPath	Accel Partners; Earlybird Venture Capital; Credo Ventures; Seedcamp	30
04/25/17	ASG Technologies Secures Financing from Elliott Management and Evergreen Coast Capital	Allen Systems Group, Inc.	Elliott Management; Evergreen Coast Capital	na
04/05/17	Aeriandi Secures \$1.9 mm in Financing from BOOST&Co	Aeriandi	BOOST&Co	2
01/26/17	WorkFusion Secures \$35 mm in Series D Financing	WorkFusion	Georgian Partners; RTP Ventures; Greycroft Partners; iNovia Capital; Mohr Davidow Ventures; Nokia Growth Partners	35
01/09/17	Finovera Secures \$1.1 mm in Financing	Finovera	Undisclosed Investors	1
01/05/17	NGData Secures \$9.4 mm in Additional Series B Financing Led by Idinvest	NGData	Idinvest Partners; PAMICA; SmartFin Capital; Capricorn Venture Partners; Nausicaa Ventures; Undisclosed Investors	9

Selected Recent Financing Transactions (cont.)



Announced Date	Transaction Overview	Company	Selected Buyers / Investors	Amoun (\$mm)
01/05/17	Klipfolio Secures Approximately \$9 mm in Series B Financing Led by OMERS Ventures	Klipfolio	OMERS Ventures; BDC Venture Capital; Mistral Venture Partners; FundFire; BOLDstart Ventures; Acadia Woods Partners; Converge Venture Partners	\$9
12/13/16	Socure Secures \$13 mm in Financing Led by Flint Capital	Socure	Flint Capital; ff Venture Capital; Santander Innoventures; Undisclosed Investors	13
11/15/16	eOriginal Secures \$26.5 mm in Financing Led by LLR Partners	eOriginal, Inc	LLR Partners	27
11/14/16	Midaxo Secures \$4 mm in Series A Financing Led by EOC Capital and Finnish Industry Investments	Midaxo	EOC Capital; Finnish Industry Investment	4
10/27/16	StreamLink Software Secures \$0.5 mm in Equity Financing	StreamLink Software	JumpStart, Inc.	<1
10/11/16	Brainspace Secures Financing from In-Q-Tel	Brainspace	In-Q-Tel	na
09/23/16	Captio Secures \$1.1 mm in Financing Led by Sabadell Venture Capital	Captio	Sabadell Venture Capital; Venturcap; Telegraph Hill Capital; Kibo Ventures	1
09/09/16	Hanse Orga Secures Financing from Waterland	Hanse Orga	Waterland Private Equity Investments; Undisclosed Investors	na
08/31/16	HighRoads Secures \$2 mm in Financing	HighRoads, Inc.	Undisclosed Investors	2
08/01/16	iVault Corporation Secures \$1.6 mm in Seed Financing	iVault Corporation	Undisclosed Investors	2
06/21/16	StreamLink Software Secures \$10 mm in Financing Led by First Analysis	StreamLink Software	First Analysis Corporation, Investment Arm; Hyde Park Venture Partners; Hyde Park Angels; North Coast Angel Fund; Blu Venture Investors	10
06/08/16	Conservice Secures Financing from TA Associates	Conservice	TA Associates	na
05/18/16	eFileCabinet Secures \$5 mm in Financing	eFileCabinet	Undisclosed Investors	5
05/12/16	Inkassogram Secures Approximately \$2.5 mm in Financing	Inkassogram	Undisclosed Investors	3
05/10/16	Fractal Analytics Secures \$100 mm in Financing from Khazanah Nasional Berhad	Fractal Analytics	Khazanah Nasional	100
05/03/16	Bench Secures \$16 mm in Series B Financing Led by Bain Capital Ventures	Bench	Bain Capital Ventures; Altos Ventures; Contour Venture Partners	16
04/14/16	Energy Services Group Secures Financing from Accel-KKR	Energy Services	Accel-KKR	na
03/18/16	LogicSource Secures \$2 mm in Financing	LogicSource	Undisclosed Investors	2
03/13/16	Cerillion Raises Approximately \$14.2 mm in its IPO	Cerillion	Undisclosed Investors	14
03/04/16	3CLogic Secures \$1.2 mm in Financing	3CLogic	Undisclosed Investors	1
02/25/16	Peloton Document Solutions Secures Financing from RR Donnelley	Peloton Document Solutions	R.R. Donnelley & Sons Company	na
02/05/16	Carbon Black Secures \$14 mm in Additional Series F Financing	Bit9 + Carbon Black	Undisclosed Investors	14
	Central Technology Services Secures Financing from Regimen Partners	Control Tools of some Some	Regimen Capital Partners	na

Financial BPO / IT Services Sector Events





Date	Conference	Location	Website
SILICON VALLEY FINTECH 2018 WEEK Aug. 13 – 16, 2018	SILICON VALLEY FINTECH WEEK 2018 FinTech Week Silicon Valley 2018 brings together the entire FinTech ecosystem, from investors to large banks to startups to government agencies. The conference features exhibits, workshops and meetups.	San Francisco, CA USA	<u>Details</u>
FINOVATEFALL Sep. 24 – 27, 2018	FINOVATE FALL 2018 Finovate showcases the most important new financial and banking technology. More than 5,000 financial and technology professionals attend to stay up-to-date with the latest products and technology. Finovate features key speakers, discussion sessions and networking opportunities.	New York, NY, USA	<u>Details</u>
Money 20/20 Oct. 21 – 24, 2018	MONEY 2020 USA 2018 Money2020 is the world's largest payments and financial services innovation event, boasting over 11,500 attendees including top executives from 4,500 companies and 100 countries. The conference discusses how consumers and businesses manage, spend and borrow money.	Las Vegas, NV, USA	<u>Details</u>

Financial BPO / IT Services Sector Events

Upcoming Industry Conferences & Events



	Date	Conference	Location	Website
AUGUST	08/06 - 08/10/18	Navigating FinTech Disruption,August 2018	Silicon Valley, CA, USA	Details
7.0000.	08/13 - 08/15/18	Fintech Week Silicon Valley 2018	San Francisco, CA, USA	<u>Details</u>
	08/16 - 08/16/18	4th Fintech Canada Conference	Toronto, OH, Canada	<u>Details</u>
SEPTEMBER	09/03 - 09/04/18	Chief Strategy Officer Summit 2018, Sydney	Sydney, Australia	<u>Details</u>
	09/06 - 09/07/18	19th European Conference on Knowledge Management	Padua, Italy	<u>Details</u>
	09/06 - 09/07/18	Fintech Americas 2018	Miami, USA	<u>Details</u>
	09/11 - 09/12/18	Digital Strategy Innovation Summit 2018	San Francisco, USA	<u>Details</u>
	09/12 - 09/14/18	Digital Identity Summit, Los Angeles 2018	Los Angeles, USA	<u>Details</u>
	09/12 - 09/13/18	FINNOSUMMIT 2018	Mexico City, Mexico	<u>Details</u>
	09/13 - 09/16/18	NAIFA Performance + Purpose 2018	San Antonio, TX, USA	<u>Details</u>
	09/14 - 09/14/18	UK Private Equity Conference 2018	London, UK	<u>Details</u>
	09/20 - 09/21/18	S&OP Innovation Summit 2018, Boston	Boston, MA, USA	<u>Details</u>
	09/23 - 09/25/18	AFT (Association for Financial Technology) Fall Summit 2018	Hilton Head Island, SC, USA	<u>Details</u>
	09/23 - 09/26/18	XYPN18	St. Louis, MO, USA	<u>Details</u>
	09/24 - 09/27/18	FinovateFall 2018	New York, NY, USA	<u>Details</u>
	09/24 - 09/26/18	Bob Veres' Insider's Forum 2018	California, USA	<u>Details</u>
	09/24 - 09/26/18	Lending & Risk Summit 2018	Chicago, IL, USA	<u>Details</u>
	09/26 - 09/29/18	FinCon 2018	Orlando, FL, USA	<u>Details</u>
	10/01 - 10/02/18	IoT Tech Expo Europe 2018	Amsterdam, Netherlands	<u>Details</u>
OCTOBER -	10/01 - 10/02/18	Blockchain Expo Europe 2018	Amsterdam, Netherlands	<u>Details</u>

Financial BPO / IT Services Sector Events

Upcoming Industry Conferences & Events (cont.)



	Date	Conference	Location	Website
OCTOBER	10/01 - 10/01/18	UX Next 2018	Palo Alto, CA, USA	Details
	10/02 - 10/02/18	Finance Disrupted 2018, New York	New York, NY, USA	<u>Details</u>
	10/02 - 10/04/18	PartnerConnect West 2018	Half Moon Bay, CA, USA	<u>Details</u>
	10/03 - 10/04/18	African FinTech Awards 2018	Johannesburg, South Africa	<u>Details</u>
	10/10 - 10/12/18	Wireless Influencers 2018	Rancho Palos Verdes, CA, USA	<u>Details</u>
	10/14 - 10/17/18	64th Annual Employee Benefits Conference	New Orleans, LA, USA	<u>Details</u>
	10/14 - 10/17/18	MBA's Annual Convention and Expo 2018	Washington, DC, USA	<u>Details</u>
	10/16 - 10/16/18	5th Annual FinTech Summit 2018	Sydney, NSW, Australia	<u>Details</u>
	10/21 - 10/24/18	Money2020 2018, USA	Las Vegas, NV, USA	<u>Details</u>
	10/22 - 10/25/18	Sibos Sydney 2018	Sydney, Australia	<u>Details</u>
	10/22 - 10/24/18	T3 Enterprise Conference 2018	Las Vegas, NV, USA	<u>Details</u>
	10/24 - 10/25/18	Predictive Analytics Innovation Summit 2018, Chicago	Chicago, IL, USA	<u>Details</u>
	10/25 - 10/25/18	CIO Finance London 2018	London, UK	<u>Details</u>
	10/28 - 10/31/18	Charles Schawb's IMPACT Conference 2018	Washington, D.C., USA	<u>Details</u>
	10/29 - 10/30/18	FinovateAsia 2018	Hong Kong, Hong Kong	<u>Details</u>
	10/30 - 10/31/18	Montreal FinTech Forum 2018	Montreal, Canada	<u>Details</u>
	10/30 - 10/30/18	Fintech Summit 2018	Dubai, UAE	<u>Details</u>
NOVEMBER	11/01 - 11/01/18	Money2020 2018, China	Hangzhou, China	Details

FT Partners - Focused Exclusively on FinTech

FT Partners Research – Auto FinTech





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FT Partners' 200+ page report provides an in-depth look at the FinTech ecosystem surrounding the auto industry:

As the automotive industry continues to innovate, consumers and businesses will expect the financial services and processes surrounding this massive industry to modernize and adapt as well. Similarly, as new advances change the way consumers and businesses use cars, both traditional financial services and FinTech companies can distinguish themselves by offering new, innovative solutions.

The report includes:

- Trends regarding the transformation of the auto industry and innovations in auto lending, insurance and payments
- The activity among traditional players in the space such as partnerships, investments and acquisitions
- Proprietary financing and M&A transactions in the space
- A detailed industry landscape of Auto FinTech players and company profiles

FT Partners – Focused Exclusively on FinTech

Platform of Choice for Clients and Bankers Alike





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The FT Partners Senior Banker Team

Name / Position	Prior Background	Experience / Education	Years of Experience
Steve McLaughlin Founder, CEO and Managing Partner	Goldman Sachs	 Formerly with Goldman, Sachs & Co. in New York and San Francisco from 1995-2002 Former Co-Head of Goldman Sachs' Financial Technology Group (#1 market share) Wharton M.B.A. 	23
Paul VanderMarck Managing Director	R <u>M</u> S	 Former Chief Product Officer at Risk Management Solutions, a global technology business in the catastrophic risk space 25+ years of experience as an InsurTech operating executive Experienced advisor and investor in the InsurTech space 	26
Larry Furlong Managing Director	Goldman Sachs	 Formerly with Goldman, Sachs & Co. in New York, London and Los Angeles beginning in 1995 Wharton M.B.A. 	22
Greg Smith Managing Director	Merrill Lynch J.P.Morgan	 Formerly award winning Equity Research Analyst at Merrill Lynch / J.P. Morgan / Hambrecht & Quist 20+ years of experience covering FinTech as both an Analyst and Investment Banker 	22
Osman Khan Managing Director	n k pwc	 Former Managing Director / Head of FIG M&A at Alvarez & Marsal 15+ years FIG deal, consulting and assurance experience at PwC 40 Under 40 M&A Advisor Award Winner in 2013 LSE (BSc w/Honors), MBS (MBA w/Distinction), ICAEW (FCA) 	21
Steve Stout Managing Director	J.P.Morgan First Data	 Former Global Head of Strategy at First Data Formerly Led J.P. Morgan Payments Investment Banking Former Equity Research Analyst on #1 ranked team at UBS and Economist at the Federal Reserve Bank 	20
Tim Wolfe Managing Director	Goldman Sachs	 Formerly with Goldman, Sachs & Co. beginning in 2000 Started at FT Partners in 2002 40 Under 40 M&A Advisor Award Winner 2013 Harvard M.B.A. 	16
Kate Crespo Managing Director	RAYMOND JAMES®	 Formerly with Raymond James' Technology & Services investment banking 12+ years of FinTech transaction execution experience Dartmouth M.B.A. 	16
Timm Schipporeit Managing Director	Morgan Stanley Index Ventures	 11+ years with Morgan Stanley, Senior Executive Director of European Technology Investment Banking Team in London Formerly a Venture and Growth Investor focused on FinTech at Index Ventures 	15
Andrew McLaughlin Managing Director	Deloitte.	 20+ years experience executing / implementing financial and operational strategy Formerly with Deloitte Consulting 	12

FT Partners - Focused Exclusively on FinTech

FT Partners' Awards and Recognition





LendIt Industry Awards 2018: FT Partners wins Top Investment Bank in FinTech



Click to view



The 2017 FinTech Finance 40: Ranked #1 - Steve McLaughlin, FT Partners





Click to view

The Information's "Silicon Valley's Most Popular Dealmakers" (2016)

- Ranked as the #2 top Technology Investment Banker by The Information subscribers
- Only FinTech focused investment banking firm and banker on the list



M&A Advisor Awards

- Investment Banker of the Year (2017) Steve McLaughlin, CEO & Managing Partner of FT Partners
- Investment Banking Firm of the Year (2016) FT Partners

M&A Advisor Selects FT Partners for Industry Awards

FT Partners Named "Dealmaker" and "Investment Bank" of the Year



FT Partners consistently receives top industry recognition:

- Investment Banker of the Year (2017)
- Corporate and Strategic Deal of Year (2016)
- Private Equity Deal of the Year (2016)
- Cross Border Deal of the Year (2016)
- Investment Banking Firm of the Year (2004, 2006 and 2016)
- Technology Deal of the Year (2015)
- Dealmaker of the Year (2007, 2008, 2009, 2012 and 2015)
- Equity Financing Deal of the Year (2014)
- Professional Services Deal of the Year (2012)
- Boutique Investment Bank of the Year (2011)
- Deal of the Decade (2011)
- Middle Market Deal of the Year, Cross-Border Deal of the Year and IT Services Deal of the Year (2010)
- Deals of the Year (2005, 2006 and 2007)
- Financing Professional of the Year (2006)
- Product of the Year IPO Advisory (2006)
- 2018 LendIt Industry Awards: FT Partners wins Top Investment Bank in FinTech
- 2017 ranked #1 on Institutional Investor's "FinTech Finance 40"
- **2008's top ranked** investment banker named on *Institutional Investors* annual "Online Finance 40" ranking
 - Consecutively ranked for 3 years (2008, 2007, 2006)
- Founder and Managing Partner, Steve McLaughlin, lauded highest honors as both "Dealmaker of the Year" and "Financing Professional of the Year"
- Top award winning Investment Bank collecting more than 12 separate awards for outstanding performance and client results
 - FT Partners has received over 75 award nominations across an unprecedented array of categories
- FT Partners' "IPO Advisory" service as demonstrated in one of the most successful Payments IPOs in history, Verifone received its third industry award in 12 months for Product of the Year
 - Previously recognized in our 2006 Financing Professional of the Year award and 2005 Deal of the Year



Dealmaker of the Year Investment Bank of the Year Deal of the Decade

Selected Transactions:

- \$4.50 billion Heartland's Sale to Global Payments
- \$1.65 billion Mercury Payments Systems' sale to Vantiv
- \$1.50 billion TransFirst's sale to Vista Equity Partners
- \$1.40 billion SquareTrade's sale to Allstate
- \$1.05 billion Cayan's sale to TSYS
- \$1.01 billion GreenSky IPO
- \$900 million Mercury Payments Systems' 60% strategic investment by Silver Lake
- C\$900 million Sale of Cambridge Global Payment to FLEETCOR
- \$750 million Sale of CardConnect to First Data
- \$525 million Sale of Lynk Systems to RBS
- \$438 million Sale of CardConnect to FinTech Acquisition Corp
- \$370 million Sale of Custom House to Western Union
- \$369 million Sale of Fleet One to Wright Express
- \$325 million Sale of Verus to Sage Group
- \$300 million Sale of Currencies Direct to Palamon and Corsair Capital
- \$300 million Minority Capital Raise for GreenSky
- \$300 million AvidXchange's Series F financing