FT PARTNERS FINTECH INDUSTRY RESEARCH

February 25, 2020



ION Investment Group Recapitalizes Broadway Technology





The Only Investment Bank Focused Exclusively on FinTech

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 18 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"

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ION Recapitalizes Broadway Technology

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Transaction Summary

Transaction Summary

- On February 14, 2020, ION Investment Group announced a recapitalization of Broadway Technology, a provider of high-performance capital markets solutions
 - As a result of the recapitalization, ION is acquiring a controlling stake in Broadway alongside Long Ridge Equity Partners and the Broadway founders
 - Terms of the deal were not announced
- The deal follows ION's acquisition of currency software provider MarketFactory in November 2019
- Broadway serves sell-side and buy-side clients, including more than half of the top 50 banks in the world

Selected Transaction History



Date	Туре	Amount (\$ in mm)	Investors
02/14/20	Majority Recap	na	ION Group; Long Ridge Equity Partners
05/09/17	Growth	\$42	Long Ridge Equity Partners
04/11/11	Growth	na	Goldman Sachs Principal Strategic Investments; BNP Paribas

Transaction Commentary

"Partnering with ION provides the investment to accelerate our product roadmap including workflow automation technology across different market segments and asset classes."



Tyler Moeller Co-Founder & CEO



"This partnership is transformational for Broadway, allowing us to take a much longer-term approach to how we innovate."



Joshua Walsky Co-Founder & CTO



"Broadway's client-first approach and strong cloud expertise are an excellent complement to our business and their leading offering in FX further augments our recent acquisition of FX low-latency specialist MarketFactory,"



Andrea Pignataro



ION Recapitalizes Broadway Technology

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Broadway Technology Overview

Company Overview

CEO:



Tyler Moeller

Headquarters: New York City, NY

Founded: 2003

- Broadway Technology provides high-performance front-office FinTech solutions to sell-side and buy-side clients, including more than half of the top 50 banks in the world
- The Company's flagship technology is its distributed application environment, designed to provide real-time solutions for the financial trading community
 - The cross-platform architecture provides applications with object-oriented and transactional data management, abstract & centralized business modeling, and distributed computation
- Broadway has more than 170 employees worldwide with offices in New York, Austin, London, Waterloo, and Toronto

Management Team



Tyler Moeller Co-Founder & CEO



Joshua Walsky Co-Founder & CTO



Jonathan Fieldman Chief Business Development Officer



Scott Sanders

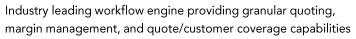
Selected Product & Services Overview



Trading

Aggregate liquidity and optimize execution across all supported assets/products

E-Commerce



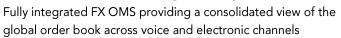


\$

Pricing & Distribution

Handle all aspects of core price generation, including a matrix pricing engine for multiple benchmark and FX full pricing

Barracuda FX Order Management System







Sales

Provides sales teams with full capabilities to manage voice and electronic inquiries and orders, fully integrated with trading

Trade Management

Manage all aspects of straight-through processing regardless of the booking complexity and regulatory requirements



ION



ION Investment Group Overview

Company Overview



Founder and CEO:

Andrea Pignataro

Headquarters:

London, UK

Founded:

1998

- ION provides mission-critical trading and workflow automation software solutions, data and analytics to financial institutions, central banks, governments and corporations
 - The Company's proprietary software services provide fixed income traders with an integrated view of global electronic, fixed income, derivatives and futures markets through a userfriendly interface
- ION offers advanced trading functionality along with tools for system administration and real-time monitoring
 - This service is most used by the largest investment banks worldwide and allows traders to operate in multiple dealerto-dealer and dealer-to-customer electronic markets

Acquisition History

Date	Target	Amount (\$ in mm)	Target Description
02/14/20	Broadway Technologies	na	Trading software & services
11/15/19	MarketFactory	na	API trading platform
07/01/19	Acuris	\$1,750	Global financial information provider
04/17/19	Allegro Development	na	Commodity management software
04/20/18	Fidessa	2,120	Financial services software

Products & Services Overview



ION Markets

- Open API workflow automation used by over 45,000 users at more than 1,500 firms worldwide
- Real-time market data and connectivity to over 350 venues, processing over \$23 trillion worth of transactions every year

ION Analytics

- Acuris: Specialist news, analysis, and data for financial professionals
- **Dealogic:** Global platform connecting banks and investors
- Selerity: API for financial workflow automation





ION Treasury

- Offers seven unique treasury and risk management solutions for varying levels of size and complexity
- Solutions range from core to enterprise and are on-premises or in the cloud

ION Commodities

- Regardless of industry, helps companies control commodities value chains, from production and processing through distribution
- Full support for procurement, supply & trading, with continuous risk controls through the lifecycle



Selected FT Partners Research - Click to View



AlphaSense's \$50 million Series B Financing



Clearpool's Sale to BMO



Moneyfarm's £36 million Series C Financing



Nutmeg's £45 million in Series E Financing



XP Inc. Raises \$2 billion in its IPO



Long-Term Stock Exchange Raises \$50 million in Series B Financing



Robinhood Raises \$323 million in Series E Financing Led by DST Global



London Stock Exchange Group Acquires Refinitiv for \$27 billion

VIEW MORE FT PARTNERS RESEARCH

Selected FT Partners Capital Markets / WealthTech Transactions

M&A Transactions

















































FT Partners has advised on some of the most prominent and groundbreaking transactions in the Securities / Capital Markets / Wealth Technology sectors

FT Partners Advises TCA on its Sale to E*TRADE

Overview of Transaction

- On October 19, 2017, Trust Company of America ("TCA") announced its sale to E*TRADE Financial Corporation ("E*TRADE") (Nasdaq: ETFC) for \$275 million in cash
- Headquartered in Denver, CO, TCA is a leading provider of technology solutions and custody services to independent RIAs, helping them scale operations, more effectively manage client relationships and focus on growing their practice
- E*TRADE is a leading financial services company and a pioneer in the online brokerage industry, offering easy-to-use solutions for individual investors and stock plan participants
- The transaction is expected to close in the second guarter of 2018

Significance of Transaction

- The acquisition will allow E*TRADE to tap into the growing RIA segment in the industry and bolster its ability to attract and retain customers in need of higher-touch services
- Leverages E*TRADE's brand to accelerate growth at TCA
- Creates additional upside opportunities over time through cross-selling of margin lending, securities-based lending, options, etc.

FT Partners' Role

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

Financial Technology Partners LP FTP Securities LLC

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



in its sale to



for a total consideration of

\$ 275,000,000



FT Partners Advises Addepar on its Series D Financing

Overview of Transaction

- On June 8, 2017, Addepar announced it has raised \$140 million in Series D financing co-led by Harald McPike, the founder of QuantRes, along with Valor Equity Partners and 8VC
- Headquartered in Mountain View, CA, Addepar is a leading provider of portfolio management and reporting software and services that seeks to become the infrastructure that will connect all aspects of global finance
- Harald McPike is the founder of QuantRes, a quantitative trading firm, and a global private investor with a focus on the financial and technology sectors
- Valor Equity Partners is an operational growth investment firm that does both minority and majority investments in high growth companies at various stages of development
- 8VC is a venture capital firm that makes seed to later stage investments with a focus on the technology industry

Significance of Transaction

- The financing capitalizes on Addepar's unprecedented growth from \$300 billion to over \$650 billion assets on platform in less than 18 months as top wealth managers embraced Addepar's category-defining client reporting software
- With the new capital, Addepar will continue investing significantly in R&D, expanding its product, platform and tech-enabled services to unlock more value for its clients while also serving a wider range of wealth and asset management firms

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Addepar
- Transaction demonstrates FT Partners' continued leadership position as the "advisor of choice" to the highest quality FinTech companies as well as its deep domain expertise and experience in the WealthTech space

Financial Technology Partners LP FTP Securities LLC

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



in its Series D financing co-led by



Harald McPike

for total consideration of

\$ 140,000,000



FT Partners Advises PENSCO Trust Company in its Sale to Opus Bank

Overview of Transaction

- On January 25, 2016, PENSCO Trust Company ("PENSCO") announced its sale to Opus Bank ("Opus") (NASDAQ: OPB) for approximately \$104 million (as adjusted) in a mix of cash and stock
- Backed by Panorama Point Partners, PENSCO is a leading custodian of selfdirected IRA and alternative investments
- Opus is an FDIC insured California-chartered commercial bank with \$6.2 billion of total assets, \$5.0 billion of total loans, and \$4.9 billion in total deposits
- Following the transaction, PENSCO will operate as a subsidiary of Opus
- The transaction is expected to close in Q2 2016

Significance of Transaction

- The acquisition positions Opus at the forefront of the alternative asset wealth services business
- PENSCO provides Opus with strong, recurring non-interest income based on assets under custody
- The transaction also presents additional potential revenue opportunities through Opus' Merchant Bank, Commercial Bank, Retail Bank and Opus Financial Partners, Opus' broker-dealer subsidiary

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to PENSCO and its Board of Directors
- Highlights FT Partners' continued success advising a broad range of toptier strategic investors across the financial technology landscape

Financial Technology Partners LP FTP Securities LLC

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



in its sale to



for total consideration of approximately

\$ 104,000,000



FT Partners Advises AlphaSense on its \$50 million Series B Financing

Overview of Transaction

- On July 17, 2019, AlphaSense announced it has raised \$50 million in a Series B financing round led by Innovation Endeavors
 - Innovation Endeavors, a Silicon Valley-based investment firm founded in 2010 and backed by former Google CEO Eric Schmidt, is a new investor in AlphaSense
 - Existing investors, including Soros Fund Management and others, also participated in the round
- Headquartered in New York, NY, AlphaSense is an artificial intelligence-based market intelligence search engine operating in the United States and Europe
 - AlphaSense leverages deep-learning Al and natural language processing to search and monitor thousands of previously fragmented data sources, enabling better, quicker and more confident decision making
 - AlphaSense serves more than 1,000 institutional clients in both the financial and corporate sectors including the largest corporations, investment firms, and banks in the world

Significance of Transaction

- AlphaSense will use the new capital to continue to further develop its groundbreaking Al and natural language processing technology, accelerate product development, and drive global expansion of the platform
- The transaction demonstrates Innovation Endeavors' confidence in the potential of AlphaSense to transform the market intelligence landscape through groundbreaking Al and search technology

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to AlphaSense
- FT Partners previously advised AlphaSense on its \$33 million growth financing round in 2016
- This transaction underscores FT Partners' strong domain expertise and successful track record in the Information Technology / Capital Markets space

FTP Securities LLC

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



on its Series B Financing from





for total consideration of

\$50,000,000



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



FT Partners Advised Backstop on its \$20 million Minority Financing

Overview of Transaction

- On October 30, 2018, Backstop Solutions announced a minority \$20 mm financing round
 - Existing and new investors participating in the round include Roger Kafker, a 30-year veteran investor in the asset management space, Tao Huang, former COO of Morningstar, David Bradley, President of Huizenga Capital Management, and Vistara Capital Partners
- Headquartered in Chicago, IL., Backstop Solutions is a software-as-a-Service
 platform designed to help firms in the institutional and alternative investment
 management industry operate efficiently, invest intelligently and communicate
 effectively
 - Founded in 2003, the Company has quickly grown to service over 800 clientele providing its industry-leading cloud-based productivity suite to investment consultants, pensions, funds of funds, family offices, endowments, foundations, private equity, hedge funds, and real estate investment firms

Significance of Transaction

- The transaction builds on an strong year for Backstop, which saw a rapidly growing roster of clients, key executive appointments, and market momentum
- Backstop Solutions' minority financing will enable the Company to become globally recognized as the dominant cloud productivity suite for the institutional and alternative investment industry

FT Partners' Role

- FT Partners served as sole strategic and financial advisor to Backstop Solutions
- 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 strategic and financial advisor to



in its minority financing from

Roger Kafker

Tao Huang

David Bradley



for total consideration of

\$20,000,000



FT Partners Advises Clearpool on its Sale to BMO

Overview of Transaction

- On January 22, 2020, Bank of Montreal (BMO) announced that it had signed an
 agreement to acquire 100% of the outstanding shares of Clearpool Group
 ("Clearpool"), an Algorithmic Management System transforming electronic
 trading with a fully customizable suite of trading tools
- Headquartered in New York, Clearpool empowers market participants by providing greater transparency, efficiency and control through next generation trading technology
- Clearpool's solution provides total visibility and control, from strategy to execution, through its cloud-based algorithmic management system, execution and analytics portals
- Bank of Montreal (TSX, NYSE: BMO) is a highly diversified financial services provider based in North America

Significance of Transaction

 BMO's electronic platform (Capital Markets, Securities and Equity) has a successful, fast-growing trading business in Canada, and adding Clearpool's capabilities in algorithmic management will allow BMO to deliver next-gen trading technology to its global client base

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Clearpool
- The transaction underscores FT Partners' successful track record generating highly favorable outcomes for Capital Markets Technology companies
- This transaction also highlights FT Partners' expertise in bringing our clients together with world class strategic investors and acquirers

Financial Technology Partners LP FTP Securities LLC

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



on its sale to





FT Partners Advises BlackRock on its Acquisition of FutureAdvisor

Overview of Transaction

- On August 26, 2015, BlackRock (NYSE: BLK) announced a definitive agreement to acquire 100% of FutureAdvisor
- FutureAdvisor is a leading digital wealth management platform with technology-enabled investment advice capabilities
- BlackRock offers investment management, risk management and advisory services to institutional and retail clients worldwide and has over \$4.7tn in assets under management
- Following the transaction, FutureAdvisor will operate as a business within BlackRock Solutions ("BRS"), BlackRock's investment and risk management platform
- The transaction is expected to close in Q4 2015

Significance of Transaction

- Combines FutureAdvisor's tech-enabled advice capabilities with BRS' investment and risk management solutions
- Enables BlackRock to provide a B2B digital advice platform, which helps financial institution partners both improve their clients' investment experiences and grow advisory assets
- Empowers partners to meet the growing demand among consumers to engage with technology to gain insights on their investment portfolios
 - Demand is particularly strong among the mass-affluent, who account for \sim 30% of investable assets in the U.S.

FT Partners' Role

- FT Partners served as exclusive advisor to BlackRock
- Highlights FT Partners' continued success advising a broad range of toptier strategic investors across the financial technology landscape

Financial Technology Partners LP

is pleased to announce its exclusive role as advisor to

BlackRock

in its 100% acquisition of

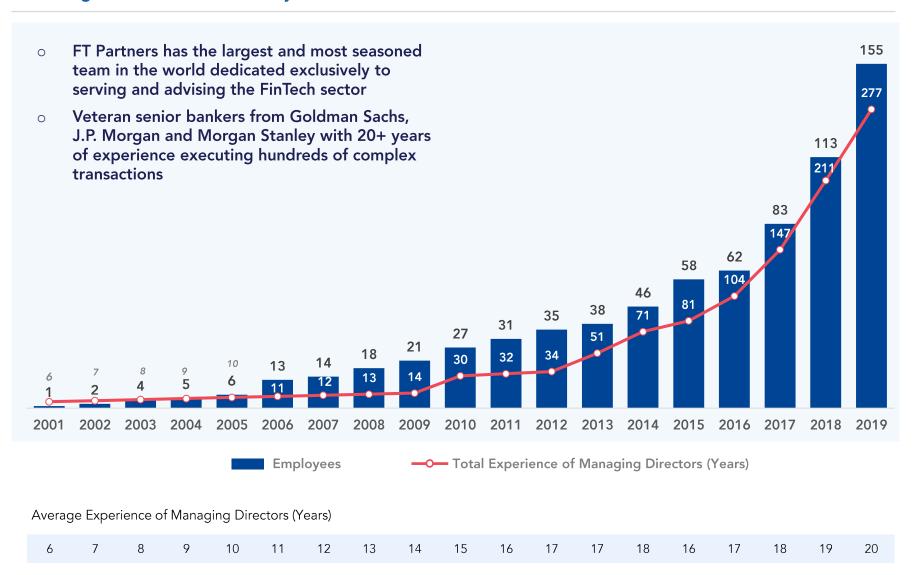




Award-Winning Investment Banking Franchise Focused on Superior Client Results

LendIt	2018	Top Investment Bank in FinTech			
	2018	Steve McLaughlin Ranked #1 for the Second Y	ear in a F	Row on Institutional Investor's FinTech 40 List	
Institutional Investor	2017	Ranked #1 on Institutional Investor's FinTech 40 List			
Institutional Investor	2015 & 2016	Ranked Top 5 on Institutional Investor's FinTech 35 List			
Annual Ranking	2006 – 2008	Consecutively Ranked (2006, 2007 and 2008) among the Top Bankers on Institutional Investor's "Online Finance 40"			
The Information	2016	Ranked #2 Top Technology Investment Banker on The Information's "Silicon Valley's Most Popular Dealmakers"			
2019 - 2004 ANNUALAWARDS WINNER M&A Advisor Awards	2019	Technology Deal of the Year	2012	Professional Services Deal of the Year, \$100 mm+	
	2018	Corporate / Strategic Deal of the Year	2011	Boutique Investment Bank of the Year	
	2018	Cross Border Deal of the Year	2011	Deal of the Decade	
	2017	Investment Banker of the Year	2010	Upper Middle Market Deal of the Year, \$500 mm+	
	2016	Investment Banking Firm of the Year	2010	IT Services Deal of the Year, Below \$500 mm	
	2016	Cross Border Deal of the Year	2010	Cross-Border Deal of the Year, Below \$500 mm	
	2015	Dealmaker of the Year	2007	Dealmaker of the Year – Steve McLaughlin	
	2015	Technology Deal of the Year	2007	Business to Business Services Deal of the Year	
	2014	Equity Financing Deal of the Year	2007	Computer & Information Tech Deal of the Year, \$100 mm	
	2014	Professional Services Deal of the Year, \$100 mm+	2007	Financial Services Deal of the Year, \$100 mm+	
	2012	Dealmaker of the Year	2004	Investment Bank of the Year	

The Largest FinTech Advisory Practice in the World



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 in New York and San Francisco from 1995-2002 Formerly Co-Head of Goldman Sachs' Financial Technology Group (#1 market share) Wharton M.B.A. 	25
Mohit Agnihotri Managing Director	J.P.Morgan	 Formerly Managing Director and Global Head of Payments Investment Banking at J.P. Morgan Wharton M.B.A 	18
Kate Crespo Managing Director	RAYMOND JAMES®	 Formerly with Raymond James' Technology & Services investment banking 13+ years of FinTech transaction execution experience Dartmouth M.B.A. 	18
Larry Furlong Managing Director	Goldman Sachs	 Formerly with Goldman Sachs in New York, London and Los Angeles from 1995-2004 Wharton M.B.A. 	24
Osman Khan Managing Director	n là la pwe	 Formerly Managing Director and 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 	23
Randall Little Managing Director	J.P.Morgan	 12 years as FIG / Capital Markets FinTech investment banker at J.P. Morgan 10 years as financial services technology consultant at Sun Microsystems and Ernst & Young NYU Stern M.B.A. (MBA w/Distinction) 	23
Andrew McLaughlin Managing Director	Deloitte.	 20+ years experience executing / implementing financial and operational strategy Formerly with Deloitte Consulting 	14
Amar Mehta Managing Director	J.P.Morgan	 Formerly with J.P. Morgan's Technology (FinTech & Technology Services) team in New York 7+ years of FinTech transaction execution experience MBA from IIM-K (India), Bachelor's in Computer Engineering from NTU (Singapore) 	16
Mike Nelson Managing Director	SUNTRUST	 Formerly head of FinTech M&A at SunTrust Robinson Humphrey Kellogg M.B.A. 	20
Timm Schipporeit Managing Director	Morgan Stanley Index Ventures	 Formerly with Morgan Stanley as Senior Executive Director of European Technology Investment Banking Team in London Formerly a Venture and Growth Investor focused on FinTech at Index Ventures 	17
Greg Smith Managing Director	Merrill Lynch J.P.Morgan	 Formerly award winning Equity Research Analyst at Merrill Lynch, J.P. Morgan and Hambrecht & Quist 20+ years of experience covering FinTech as both an Analyst and Investment Banker 	24
Tim Wolfe Managing Director	Goldman Sachs	 Formerly with Goldman Sachs from 2000-2002 40 Under 40 M&A Advisor Award Winner 2013 Harvard M.B.A. 	18