FT PARTNERS FINTECH INDUSTRY RESEARCH

November 7, 2018



Virtu Financial (NASDAQ: VIRT) Acquires ITG (NYSE: ITG) for approximately \$1 billion





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 17 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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Virtu Financial Acquires ITG

Transaction Summary

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Transaction Summary

- On November 7, 2018, Virtu Financial (NASDAQ: VIRT) announced that it has entered into a definitive agreement to acquire Investment Technology Group ("ITG") (NYSE: ITG)
 - The deal will be a 100% cash transaction valued at \$30.30 per ITG share
 - The total leverage is 2.8x based on trailing 12 months as of 9/30/18, with a target leverage of 2.0x to 2.25x by year-end 2020
 - Virtu Financial identified \$123 million of net expense synergies and \$125 million of releasable capital
 - The acquisition is highly accretive to Virtu's earnings per share with fully phased-in cost savings
- This acquisition underscores Virtu's commitment to its institutional client franchises and is the next step in its growth
 - Virtu is further diversified by increasing stability of future earnings
 - Virtu expects to realize approximately \$125 million of capital synergies within two years of the completion of the transaction
 - The transaction increases Virtu's revenue contribution from Technology and Execution Services from 10% to 37%, which will lower quarter-to-quarter earnings volatility
- Virtu will increase operating scale and organic revenue growth profile through the addition of ITG
- ITG is a global financial technology company that helps leading brokers and asset managers improve returns for investors around the world

Transaction Multiples

	Equity V		
2.1x	2.0x	1.8x	Fully
EV / 2017 Rev	EV / LTM Rev	EV / 2019 Rev	Synergized
16.3x	10.7x	10.0x	3.9x
EV / 2017 EBITDA	EV / LTM EBITDA	EV / 2019 EBITDA	EV / 2019 EBITDA

Transaction Commentary

"Virtu's focus and investment in our agency offering is evidenced by the continued growth in our business and the strong uptick we've seen this year and through October. The combination announced today brings together complementary strengths that amplify our ability to help our clients source liquidity and improve their workflow... ITG has built a first-class global institutional client franchise with incredible people that will benefit from this strategic combination. We are fully committed to growing and improving the complete agency execution offering that ITG's clients use every day - Liquidity, Execution Services, Workflow Technology and Analytics. This combination will leverage Virtu's financial technology – the same technology that drives our market making performance – to optimize all aspects of the business, from order routing and algo performance to middle- and back-office efficiency."



Douglas A. Cifu *CEO*

"Our Strategic Operating Plan has delivered clear results, with increased revenues and improved profitability as compared to the third quarter of 2017. The investments we made in people and technology to deliver best-in-class solutions over the past two years have enhanced capabilities in our core business areas of execution, liquidity, analytics and workflow technology. This morning's agreement reflects the strength of our franchise, and is a result of the hard work, commitment, and innovation of the ITG team." (1)

T G. Frank Troise
President & CEO

Virtu Financial Acquires ITG

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T G VIRTU FINANCIAL

ITG Overview

Company Overview



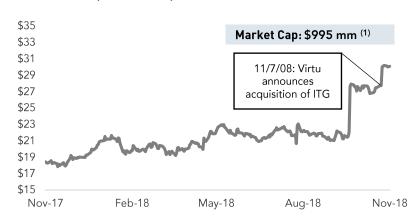
Headquarters:

NYC, NY

Founded: 1987

- ITG (NYSE: ITG) is a global financial technology company that helps leading brokers and asset managers improve returns for investors around the world
- The Company empowers traders to reduce the end-to-end cost of implementing investments via technology-enabled liquidity, execution, analytics and workflow solutions
- ITG has nearly 1,000 employees in 14 offices across nine countries in Asia Pacific, Europe and North America, and offers execution services in more than 50 countries

Stock Chart (NYSE:ITG)



Products & Services Overview



Liquidity

Electronic block crossing and alternative trading systems in 35+ countries



Execution

Algos and smart routers engineered for superior performance – by both ITG's and users' traders



Workflow Solutions

Advanced broker-neutral trading tools delivered cost effectively



Analytics

More than 75% of the world's asset managers use ITG's transaction cost analysis

Management Team



Frank Troise President & CEO



Robert Boardman
Managing Director
CEO. EMEA



Michael Corcoran Managing Director CEO, Asia Pacific



aneuf Steven Vigliotti
rector Managing Director,
ada CFO, CAO

Virtu Financial Acquires ITG

Virtu Financial Overview



Company Overview



CEO:

Headquarters: New York, NY

2008 Founded:

- Virtu Financial (NASDAQ: VIRT) is a financial firm that leverages cutting edge technology to deliver liquidity to the global markets and innovative, transparent trading solutions to its clients
- The Company combines its market structure expertise and execution technology to provide deep liquidity and competitive bids and offers in over 19,000 securities, at over 235 venues

Recent M&A Activity

Announce Date	Target	Amount (\$ in mm)
11/07/18	I T G.	\$1,000
03/15/17	KCG	1,400
11/28/16	Teza Telecommunication Assets	na
09/13/12	Nyenburgh	na
11/12/11	Cohen Capital DMM Business	na

Products & Services Overview



Douglas Cifu

Market Making

Delivers high quality order execution, expertise in block trading, and deep liquidity



Trading Solutions

Offers trading solutions for algorithmic trading, institutional trading, and ETF trading



Trading Venues

Virtu MatchIt is an anonymous crossing venue that brings together a variety of sources of non-displayed liquidity from broker-dealers

Stock Performance (NASDAQ: VIRT)



Selected FT Partners Research - Click to View



Moneybox's £14 million Series B Financing



Moneyfarm's £40 million Series B Financing



Backstop's \$20 million Financing



TCA's \$275 million sale to E*TRADE



Investor Group Acquires Dun & Bradstreet for \$6.9 billion



Trumid Raises \$53 million in Financing Led by Singapore Exchange



Nasdaq Acquires Cinnober for \$190 million



State Street Acquires Charles
River Development for \$2.6 billion

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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 ITG on its Acquisition of Macgregor

Overview of Transaction

- Investment Technology Group announced its acquisition of The Macgregor Group for \$230 million in cash
- ITG is a specialized brokerage firm that provides clients with innovative technologies that span the entire electronic trading process from pre-trade analysis to trade execution to post-trade evaluation
- Privately held Macgregor was one of the world's first and leading order management systems (OMS)

Significance of Transaction

- Transaction was groundbreaking in the financial technology / capital markets area, marking the first true integration of OMS technology and an agency only broker
- At the time, represented the single largest acquisition for ITG since its inception

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisory to ITG and its Board of Directors
- FT Partners was chosen over long standing relationships with bulge bracket investment banks for our independence, financial technology expertise

Financial Technology Partners LP

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



in its acquisition of



for cash consideration of approximately

\$ 230,000,000



FT Partners Advises ATD on its Sale

Overview of Transaction

- Automated Trading Desk, Inc. ("ATD") announced its sale to Citi for total consideration of approximately \$680 million in cash and stock
- ATD is a trading-technology company that pioneered the development and creation of systems and software for automated limit-order trading
- Citi is a leading global financial services company that provides consumers, corporations, governments and institutions with a broad range of financial products and services

Significance of Transaction

- The acquisition allowed Citi to gain traction in the fast growing automated trading market, including equities and options
 - Citi leveraged ATD's strong technological expertise to ensure best execution prices and realize significant time and cost savings
- Citi was able to expand its market-making capabilities in listed equity and options
 - ATD offers automated execution solutions in all domestic equity markets, including the listed, over-the-counter, exchange-traded fund and bulletin board markets
- The acquisition allowed Citi to gain access to and strengthen its relationships with a broader client base

FT Partners' Role

 FT Partners served as exclusive strategic and financial advisor to ATD and its Board of Directors

Financial Technology Partners LP

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



in its sale to



for cash and stock consideration of approximately

\$ 680,000,000



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

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

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

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 CVC Capital Partners on its Acquisition of OANDA

Overview of Transaction

- On May 2, 2018, the shareholders of OANDA announced a sale of the company to funds managed by CVC Capital Partners
- Founded in 1995, OANDA is a global online retail trading platform, currency data, analytics and money transfer company
 - OANDA combines its award-winning technology and institutionalgrade execution across a wide range of asset classes, enabling clients to trade currencies, equity indices, commodities, treasuries and precious metals
- CVC Capital Partners is a leading private equity and investment advisory firm managing over \$70 billion in assets

Significance of Transaction

- Under the new ownership, OANDA will continue to be led by Chief Executive Officer, Vatsa Narasimha, who was pivotal in the investment from CVC and instrumental in growing the business at a CAGR of over 25% since 2015
- CVC will support OANDA's continued growth including initiatives to make strategic acquisitions in Asia, and in investing to further broaden its product set

FT Partners' Role

- FT Partners served as sole strategic and financial advisor to CVC Capital Partners
- This transaction highlights FT Partners' expertise in the Capital Markets Tech space and continued success in providing buy side advisory to top-tier financial sponsors

Financial Technology Partners LP

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



in its acquisition of





Award-Winning Investment Banking Franchise Focused on Superior Client Results

LendIt	2018	Top Investment Bank in FinTech			
Institutional Investor Institutional Investor Annual Ranking	2017	Steve McLaughlin Ranked #1 Most Influential Executive on Institutional Investor's FinTech 40 List			
	2015 & 2016	Ranked Top 5 on Institutional Investor's FinTech 35 List			
	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"			
	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+	
2018	2016	Investment Banking Firm of the Year	2010	IT Services Deal of the Year, Below \$500 mm	
-2004 ANNUALAWARDS WINNER M&A Advisor Awards	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	
	2012	Professional Services Deal of the Year, \$100 mm+			

The FT Partners Senior Banker Team

Name / Position	Prior Background	Experience / Education	Years of Experience
Steve McLaughlin Founder, CEO and Managing Partner		 Formerly with Goldman Sachs 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
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
Larry Furlong Managing Director	Goldman Sachs	 Formerly with Goldman Sachs in New York, London and Los Angeles from 1995-2004 Wharton M.B.A. 	22
Osman Khan Managing Director	pwc	 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 LSE (BSc w/Honors), MBS (MBA w/Distinction), ICAEW (FCA) 	21
Andrew McLaughlin Managing Director	Deloitte.	 20+ years experience executing / implementing financial and operational strategy Formerly with Deloitte Consulting 	12
Mike Nelson Managing Director	SUNTRUST	 Formerly head of FinTech M&A at SunTrust Robinson Humphrey Kellogg M.B.A. 	18
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 	15
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 	22
teve Stout J.P.Morgan First Data		 Formerly Global Head of Strategy at First Data Formerly Led J.P. Morgan Payments Investment Banking Practice Former Equity Research Analyst on #1 ranked team at UBS Former Economist at the Federal Reserve Bank 	20
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. 	16