FT PARTNERS FINTECH INDUSTRY RESEARCH

August 14, 2020

ElleMae

Intercontinental Exchange (NYSE:ICE) Acquires Ellie Mae for \$11 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 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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Transaction Summary

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On August 6, 2020, Intercontinental Exchange announced that it has agreed to acquire Ellie Mae from private equity firm Thoma Bravo for an enterprise value of approximately \$11 billion

- The transaction will enhance ICE's growth strategy in mortgage technology and bring complementary products that will supplement ICE's core expertise in operating networks and marketplaces
 - Through Ellie Mae's complementary product addition, ICE Mortgage Services will provide innovative solutions to accelerate additional digitization and streamlining of the mortgage manufacturing process, and ICE Data Services will be able to add to its offerings
- Thoma Bravo acquired Ellie Mae for \$3.7 billion in 2019
- Key Financial Metrics:
 - Including Ellie Mae's expected 2020 revenue of ~\$900 million, ICE Mortgage Services is expected to generate pro-forma 2020 revenues of \$1.1 billion
 - With Ellie Mae's expected 2020 Adjusted EBITDA of ~\$470 million, ICE Mortgage Services' pro-forma 2020 Adjusted EBITDA is expected to be \$600 million
 - With past acquisitions of both MERS & Simplifile and the acquisition of Ellie Mae, ICE will have invested a total of roughly \$11.5 billion in its strategy to automate the mortgage workflow
 - ICE expects to realize run-rate cost synergies of \$50 million to \$65 million by the end of year three, and the acquisition of Ellie Mae is expected to be accretive to adjusted EPS in the first full year of ownership

Transaction Multiples

12x EV / 2020E Revenue

23x EV / 2020E Adj. EBITDA

Transaction Commentary

"We are excited to be joining the Intercontinental Exchange family and having the opportunity to work closely with Simplifile and MERS in helping our industry to realize the true digital mortgage. We have been on a journey, as we have long said, 'to automate everything automatable' for the mortgage industry, and joining ICE, which has followed a parallel journey in global exchanges, will allow us to further accelerate realizing our vision. We also greatly appreciate, and have significantly benefited from, the operational and strategic support from Thoma Bravo. They were instrumental in helping us achieve this outcome, which is a great one for our customers and the industry in general."



Jonathan Corr President and CEO



"Twenty years after we founded Intercontinental Exchange to provide a transparent trading platform for the energy industry, and following two decades of providing continued innovation to help customers navigate global markets, we are pleased to announce the acquisition of Ellie Mae, which will help us similarly transform the mortgage marketplace. Our planned acquisition represents a one-of-a-kind opportunity to add an extraordinary enterprise with great leadership to our family. It will also enhance ICE's growth strategy in mortgage technology, with complementary products and a wide array of customers and stakeholders who will benefit from our core and proven expertise in operating networks and marketplaces."



Jeffrey Sprecher Founder, Chairman and CEO



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Ellie Mae Overview

Company Overview



CEO:	O: Jonathan Cor	
Headquarters:	Pleasanton, CA	
Founded:	1997	

- Ellie Mae is a leading provider of cloud-based enterprise level, on-demand automated solutions for the residential mortgage industry
- The Company's technology solutions enable lenders to originate more loans, lower origination costs, and reduce the time to close
- The Company serves banks, credit unions and mortgage companies, providing innovative, digital products across the industry

Selected Transaction History

Announce Date	Type of Transaction	Investor(s) / Buyer(s)	Amount (\$ in mm)
08/06/20	M&A	Intercontinental Exchange	\$11,000
02/12/19	M&A	Thoma Bravo	3,700
06/25/12	IPO	Public market investors	45
12/21/05	Financing	Osprey Ventures; GKM Ventures	3
12/31/01	Financing	Charter Venture Capital; Alloy Ventures; Alta Partners	8
08/16/00	Financing	Charter Venture Capital; Fannie Mae; H&Q Asia Pacific; Alloy Ventures; Alta Partners	28
09/29/99	Financing	Alta Partners; Alloy Ventures; Charter Venture Capital	10

Products & Services Overview



Consumer Engagement

- · Personalized one-to-one marketing
- Automated campaigns and accelerated lead acquisitions



Origination

 Digital Mortgage Solution powered by robust pricing engine and Encompass loan officer connection



Processing and Underwriting

- Integrated network with hundreds of service providers
- · Efficient, quality loan workflows



eClosing and Investor Delivery

- Complete document solution for eDisclosures
- Secure system-to-system workflows between lenders and investors



Data and Analytics

- Open APIs and resources to integrate build on Encompass functions
- Near real-time access to loan data



Compliance

 Robust compliance engine with automated federal, state and local regulation review

ICE Acquires Ellie Mae for \$11 billion

Intercontinental Exchange (ICE) Overview





Company Overview

Headquarters:

CEO:



Founded: 2000

- Intercontinental Exchange (NYSE:ICE) operates regulated exchanges, clearing houses, and listings venues for financial and commodity markets in the United States, the United Kingdom, Continental Europe, Israel, Canada and Singapore
- ICE operates marketplaces for trading and clearing an array of derivatives and securities contracts across various asset classes, including energy and agricultural commodities, interest rates, equities, equity and credit derivatives, exchange traded funds, bonds, and currencies

Selected Recent M&A Activity

Announce Date	Target	Amount (\$ in mm)
08/06/20	EllieMae	\$11,000
02/05/20	BRIDGE2	NA
05/01/19	simplifile.	NA
10/04/18	MERS	NA
05/29/18	@TMC Bonds	685

Company Financials LTM 06/30/20

Market Cap ⁽¹⁾	\$54,849 million
Revenue	\$5,588 million
EBITDA	\$3,469 million
Net Income	\$2,150 million
Diluted EPS	\$3.87

Stock Performance (NYSE:ICE)



Selected FT Partners Research - Click to View



Upgrade's \$40 million Series D Financing



Fincity's \$1 billion Sale to Mastercard



Open Lending's Merger with Nebula Acquisition Corp.



Marqeta's \$150 million Growth Financing



Aspiration Raises \$135 million in Series C Financing



Rocket Companies Raises \$1.8 billion in its IPO



nCino Completes its IPO Raising \$250 million



Varo Raises \$241 million in Series D Financing

VIEW MORE FT PARTNERS RESEARCH

Track Record of Success in the Real Estate / Mortgage Tech Value Chain

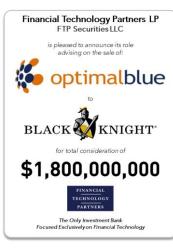
Digital Mortgage Origination



Real Estate Invoicing & Payments



Mortgage Technology



Online Home Services Platform



Consumer Home Improvement Financing

Financial Technology Partners LP
FTP Securities LLC

is pleased to announce its role as
IPO Advisor to

Greensky

in its

\$1,010,000,000

Initial Public Offering

for a total enterprise value of

\$4,500,000,000

FINANCIAL
TECHNOLOGY
THE ONLY INVESTMENT BANK

Mortgage Technology



The Only Investment Bank

Focused Exclusivelyon Financial Technology

Property Insurance Solutions



Focused Exclusively on Financial Technology

SaaS-based Real Estate Loan Origination



Listing Management Solutions



Mortgage Technology

Focused Exclusively on Financial Technology



Significant Experience Across the Banking Technology Space









































FT Partners IPO Advisory Case Study: Ellie Mae

Financial Technology Partners LP FTP Securities LLC is pleased to announce its exclusive role as Capital Markets & IPO Advisor to EllieMae in its \$45,000,000 Initial Public Offering valuing the equity at approximately \$146,000,000

The Only Investment Bank Focused Exclusively on Financial Technology

Overview of Transaction

- On April 14, 2011, Ellie Mae (the "Company") priced 7.5 million shares at \$6 per share in its initial public offering, implying a total offering size of \$45 million
- The Company began trading on the NYSE under the ticker ELLI
- Ellie Mae is a leading provider of enterprise level, on-demand automated solutions for the residential mortgage industry
- Ellie Mae sold 5 million shares in the offering with the remaining 2.5 million sold by existing stockholders
- Underwriters were granted the option to purchase up to an additional 1.125 million shares from selling stockholders to the extent they sold more than 7.5 million shares

Significance of Transaction

- The IPO provided capital to fund future growth and enabled the Company to more effectively serve its user base
- In addition to returning capital to shareholders, proceeds of the transaction were used for general corporate purposes, acquisitions and / or investments in new technologies, solutions or businesses

FT Partners' Role

- FT Partners served as strategic, financial and IPO advisor to Ellie Mae and its Board of Directors
- · FT Partners managed the entire IPO process, enabling management to focus on growing the business







FT Partners Advises Ellie Mae on its \$146 million IPO

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Financial Technology Partners LP FTP Securities LLC

is pleased to announce its exclusive role as Capital Markets & IPO Advisor to



in its

\$45,000,000 Initial Public Offering

valuing the equity at approximately

\$ 146,000,000



FT Partners Advises Better.com on its \$160 million Series C Financing

Overview of Transaction

- On August 19, 2019, Better.com announced it has closed its Series C financing round for a total of \$160 million
 - The round included new investors Activant Capital, Ping An Global Voyager Fund, Ally Financial, Citi, AGNC, American Express Ventures and Healthcare of Ontario Pension Plan, as well as existing investors Goldman Sachs, Pine Brook and Kleiner Perkins
 - Better.com initially closed its Series C round in January 2019 for a total of \$70 million, but expanded the round due to high demand
 - The Company has now raised \$254 million in total financing
- Better.com is one of the fastest growing homeownership platforms in the U.S. and has funded more than \$4 billion in loans since its founding in 2016
 - The Company has reconstructed the process of buying and financing a home, step-by-step, using technology and automation to create the most efficient, cost-effective and user-friendly experience in the market
 - Better.com has grown 3x year-over-year (vs. -15% for the industry) and is currently funding \$375 million in mortgages a month, which puts the Company on track to lend over \$4 billion in 2019 alone

Significance of Transaction

- With strong investor demand including from high profile strategics, this financing round positions Better.com as a market leader in streamlining and digitizing the home loan process
- The additional capital will enable Better.com to enhance its offerings, grow its strategic partnerships, as well as expand its team by hiring an additional 400 people in sales and technology by the end of 2019

FT Partners' Role

- FT Partners served as strategic and financial advisor to Better.com
- This transaction highlights FT Partners' deep domain expertise in the Alt Lending / Real Estate Tech space as well as our successful track record generating highly favorable outcomes for leading FinTech companies globally

FIP Securities LLC

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



on its Series C financing from new investors















along with participation from existing investors

for total consideration of

\$160,000,000



FT Partners Advises JetClosing on its \$9 million Financing

Overview of Transaction

- On July 30, 2020, JetClosing announced the close of its \$9 million Series B
 funding round led by funds and accounts advised by T. Rowe Price, with
 additional investments from Pioneer Square Labs and Trilogy Equity, bringing
 its fundraising total to \$35 million
- JetClosing is a leading digital title and escrow company for real estate transactions that provides unprecedented transparency, security, and efficiency throughout the home closing process via its innovative, centralized platform
- With a presence in Arizona, Colorado, Florida, Nevada, Pennsylvania, Texas, and Washington, JetClosing's team of veteran title professionals and technology leaders is expanding nationwide to provide digital title and escrow services to buyers, sellers, agents, lenders and borrowers
- JetClosing utilizes fully encrypted workflows for secure document transfers, wire transactions, remote online notarizations (RON), and e-signatures – user information is further guarded using multi-factor authentication, which introduces safe, transparent, and remote digital home closings and refinancings for the first time

Significance of Transaction

 The investment will fuel continued expansion for the cloud-based digital title company, streamlining historically manual, in-person processes that have lacked transparency and efficiency for home buyers, sellers, agents, and borrowers

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to JetClosing
- This transaction highlights FT Partners' deep domain expertise and transactional experience across the Real Estate Tech & InsurTech sectors

FTP Securities LLC

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



on its Series B financing led by

T.RowePrice®

for a total amount of

\$9,000,000



FT Partners Advises Optimal Blue on its Sale

Overview of Transaction

- Optimal Blue has agreed to sell to GTCR, a leading private equity firm
- Backed by Serent Capital, Optimal Blue is one of the largest SaaS providers of enterprise services to mortgage originators & investors
- The Company created the first cloud-based Product & Pricing Engine ("PPE") and is now the largest independent provider of pricing solutions in the mortgage ecosystem
- GTCR has committed up to \$350 million of equity capital to the investment to pursue growth initiatives at Optimal Blue as well as complementary acquisitions to provide information and other digital services to the \$14 trillion mortgage marketplace

Significance of Transaction

- Represents one of the largest Mortgage Technology M&A transactions in recent times
- Represents a highly favorable outcome to Optimal Blue management and Serent Capital, its private equity backer

FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to Optimal Blue and its Board of Directors
- FT Partners leveraged its deep knowledge, extensive experience and broad industry relationships to help bring in a knowledgeable partner with deep domain expertise in financial services
- Transaction demonstrates FT Partners' continued success advising top-tier financial technology companies

Financial Technology Partners LP FTP Securities LLC

is pleased to announce its exclusive role as financial advisor to



in its sale to





FT Partners' Recent Awards and Recognition

Bloomberg

Bloomberg

- o FT Partners' Steve McLaughlin was featured on Bloomberg / Bloomberg TV
- o View the full article and watch the live TV interview



M&A Advisor Awards

- Technology Deal of the Year (2019)
- Cross Border Deal of the Year and Corporate / Strategic Deal of the Year (2018)
- Investment Banker of the Year (2017) Steve McLaughlin, CEO & Managing Partner of FT Partners
- Investment Banking Firm of the Year (2016) FT Partners



LendIt FinTech Industry Awards 2018:

o FT Partners wins Top Investment Bank in FinTech

Institutional Investor





The FinTech Finance 40:

Steve McLaughlin ranked #1 in 2017 and 2018

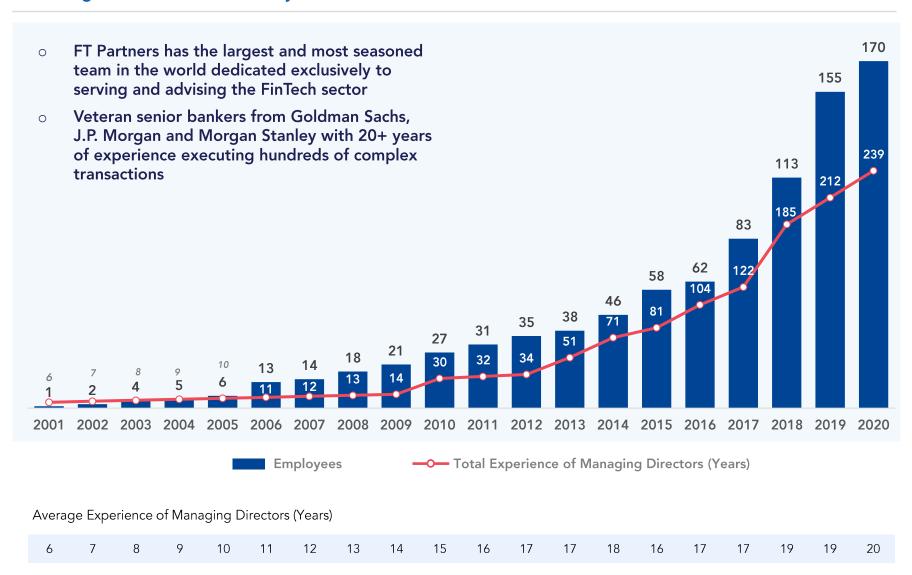




The Information's "Silicon Valley's Most Popular Dealmakers"

- o Ranked as the #2 top Technology Investment Banker by The Information subscribers (2016)
- o Only FinTech focused investment banking firm and banker on the list

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 14+ 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	Mâ 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 	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) 	15
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