# FT PARTNERS FINTECH INDUSTRY RESEARCH

September 28, 2018



Bitmain Files for its IPO in Hong Kong



#### **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"

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#### **IPO Overview**

#### **Key IPO Statistics**

Co-CEOs:	Jihan Wu & Ketuan Zhan
Headquarters:	Beijing, China
Founded:	2013
Employees:	2,594
Application Date:	September 26, 2018
Estimated Proceeds:	NA
Shares:	NA
Initial Filing Range:	NA
Revised Filing Range:	NA
Listing Date:	TBD

#### **Use of Proceeds**

Bitmain intends to use the funds to enhance the Company's research and development capabilities as well as expand production output of cryptocurrency miners and AI chips. The proceeds will also be used to expand the global reach of the company through hiring local teams and investing in localization efforts. The Company has begun construction in the US and is considering further expansion.

#### The Stock Exchange of Hong Kong

#### **Application**

Bitmain Technologies Holding Company

# BITMAIN

Hong Kong Stock Exchange

Building 25, North Olympic Science & Technology Park

Beijing, China 100029



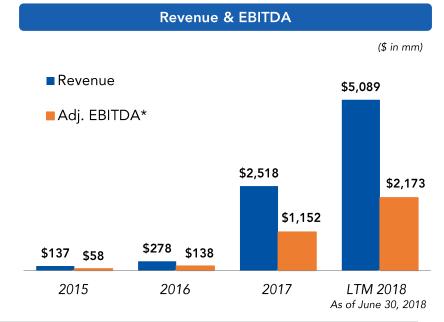
### **Transaction Summary**

# BITMAIN

#### **Transaction Summary**

- On September 26, 2018, Bitmain submitted an application to the Hong Kong Stock Exchange for an IPO
- The timetable and eventual valuation of the offering was not disclosed as the application is still in draft form and pending hearings from HKEX
- The Company has experienced explosive growth with revenues expanding from \$277 million in 2016 to \$2.5 billion in 2017
- The Company has already generated \$2.8 billion in revenue for the first half of 2018 and currently employs approximately 2,600 people with a significant portion based in China
- Bitmain has raised ~\$785 million in capital with the most recent round closing in August 2018 at a valuation of ~\$14.4 billion
  - Investors include Sequoia Capital China, IDG Capital China, and Coatue Management
- The majority of Bitmain's revenue is generated from the manufacturing of hardware used specifically for mining cryptocurrency
- Bitmain also operates mining pools and mining farms, and performs proprietary mining
- The Company has expanded manufacturing to include Alspecific chips
- 28% of the Company's assets are currently held in cryptocurrencies

Selected Financing History			
Date	Size (\$ mm)	Selected Investors	
Aug-17	\$50	Sequoia Capital China, IDG China, Sinovation, Blue Lighthouse Services	
Jun-18	293	Sequoia Capital China, Coatue, EDB Investments, Breyer Labs	
Aug-18	442	Crimson Partners, Newegg Tech Corporation	



#### **Overview - Bitmain**



#### **Company Overview**

### BITMAIN

Co-CEOs: Jihan Wu & Zhan Ketuan

**Headquarters:** Beijing China

Founded: 2013

- The largest global manufacturer of cryptocurrency mining hardware accounting for 74.5% of the market in 2017 according to Frost & Sullivan
- The Company's main business involves producing ASICs --Application Specific Integrated Circuits -- which are specifically designed for mining cryptocurrencies
- Currently, the Company produces ASICs for Bitcoin, Bitcoin Cash, Ethereum, Litecoin, Dash, and Zcash, all under its Antminer product line
  - Bitmain's dynamic pricing based on mining profitability and its response to competitors have been key to the Company's revenue growth
- · Bitmain is expanding into ASICs for AI computing
- The Company operates mining pools, which are networks for miners to work together and pool rewards to receive more consistent payouts from mining
- Bitmain conducts proprietary mining and manages 11 mining farms across China to host equipment for clients
- New mining farms in the US are under construction in the states of Washington, Texas, and Tennessee
- Bitmain also owns and operates BTC.com, a bitcoin blockchain browser

### **Strengths**

Leader in global ASIC chip industry

Pioneer in the thriving blockchain ecosystem

Strong contender in AI chip industry

Outstanding research and development capabilities

Close partnership with leading supply chain partners

Visionary management team that believes in blockchain technology and Al

#### **Growth Strategy**

- Continuing to invest in research and development to strengthen leading market position in chip design
- · Advancing presence in the blockchain industry
- Continuing to invest in AI and promote the commercial application of AI technologies and solutions

# Bitmain Files for its IPO in Hong Kong

### **Revenues & Expenses**



2018 Revenue (6 months ended June 30)		
Division	Revenue	(\$ in mn)
Mining Hardware Sales	2,684	
Mining Pool Service	43	
Mining Farm Service	22	
Proprietary Mining	94	
Other	2	
Total	2,845	

Mining Hardware Sales: Sales from hardware designed specifically for mining cryptocurrencies

Mining Pool Service: Revenue generated from fees for hosting mining pools, which allow miners to work together to generate more consistent payouts

Mining Farm Service: Revenue generated from physically holding and operating mining equipment for clients

Proprietary Mining: Mining conducted by the Company with all proceeds going directly to Bitmain

Other: Revenue generated by other activities such as sale of Al chips and operating BTC.com

Expenses				
	2015	2016	2017	2018* (\$ in mn)
Cost of Sales	65.9	126.3	1,305.0	1,815.3
Selling Expense	0.6	2.2	7.9	12.4
Administrative and Other Operating Expenses	7.5	14.2	58.9	43.8
Research & Development Expenses	5.7	16.6	72.6	87.0
Other	1.6	6.4	39.5	120.3
Total	81.3	165.7	1,483.9	2,078.8
				* 6 months ended June 3

Source: Company filing

### **Management Team**



#### Jihan Wu

Co-founder, Co-Chairman, & Co-Chief Executive Officer



- Jihan Wu co-founded the Company in 2013 and is responsible for overall strategic planning and business decisions
- Previously, Mr. Wu served as an investment manger at China Grand Prosperity Group and an analyst at Beijing Zunsheng Investment Consultancy

#### Ketuan Zhan

Co-founder, Co-Chairman, & Co-Chief Executive Officer



- Ketuan Zhan co-founded the Company in 2013 and is responsible for overall strategic planning and business decisions
- Previously, Mr. Zhan served as department director of research and development for the integrated circuit department at Unitend Technologies and a research and development engineer at Tsinghua University

#### Yuesheng Ge

Principal of Investment

- Yuesheng Ge has served as Principal of Investment since joining the Company in December 2014
- Previously, Mr. Ge served as an analyst at China Materialia from 2013 to 2014 and received his bachelor's degree in business administration from Hangzhou Dianzi University in June 2013

#### Luyao Liu

Chief Financial Officer

- Luyao Liu has served as Chief Financial Officer since July 2018
- Mr. Liu previously served as a Vice President at China International Capital Corporation in the investment banking division

#### Yingfei Li

Principal of Sales

- Yingfei Li joined the Company in October 2013 and is responsible for sales activity
- Mr. Li received his bachelor's degree from Beihua University in 2007 with a major in computer science and technology

#### Jing Fan

Principal of Research and Development

- Jing Fan joined the Company in January 2016 and is responsible for the research and development activity
- Previously, Mr. Fan held positions at AMD Products and VIA Technologies

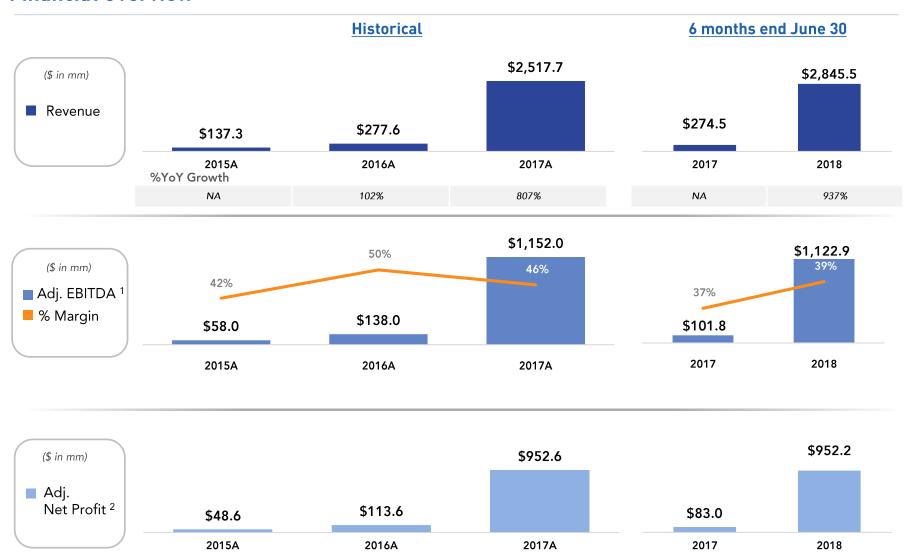
#### Liu Jianchum

Principal of Finance

- Liu Jianchum joined the Company in February 2016 and is responsible for financial management
- Prior to joining Bitmain, Mr. Liu served as a reporting officer, financial manager, and senior tax officer at China National Offshore Oil Corporation

#### Financial Overview





#### Selected FT Partners' Research - Click to View



Moneybox's £14 million Series B
Financing



Moneyfarm's £40 million Series B Financing



Chain Merges with Lightyear



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



Robinhood Raises \$363 million in Series D Financing



Tiger Brokers Raises \$80 million in Series C Financing



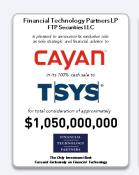
ICE Announces New Digital Asset Company Bakkt



tZERO Raises ~\$270 million in Financing

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### Selected Transactions - Superior Industry Knowledge and Execution History

































Financial Technology Partners LP











# FT Partners – Focused Exclusively on FinTech

### 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

Company	Amount Raised	Selected Prominent Investors in FT Partners Led Rounds
<b>GreenSky</b> **	\$1,010,000,000	Accel DST TEG
MERCURY®	420,000,000+	Premji Invest VISA TPG
<b>GreenSky</b> **	300,000,000+	ICONIO RCP REVERENCE CAPITAL MANAGEMENT
■ avidxchange	300,000,000	BainCapital P. I. M. C. O
	253,000,000	PRIVATE EQUITY  Caisse de dénêt et placement
liquidnet.~~	250,000,000	BainCapital VENTURES du Québec
square trade protection plans	238,000,000	capitalG CIBC Great Hill
<b>GreenSky</b> ™	200,000,000	nyca o E D Scotiabank°
YAPSTONE"	181,000,000	KeyBank ING
nmi	150,000,000+	
ADDEPAR	140,000,000	乾源资本 yuan capital Battery Ventures BBVA
Kabbage Kabbage	135,000,000	ADAMS STREET Santander InnoVentures
Remitly	115,000,000	khosla ventures THIEL edbi
TradingScreen SIMPLIFYING GLOBAL MARKETS*	110,000,000+	mastercard PayU
CHROMERIVER	100,000,000	QUESTMARK PARTNERS SUMMIT PARTNERS
NEXT	83,000,000	SILVERLAKE PARTHENON CAPITAL PARTNERS

### 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 years<sup>1</sup>
- 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

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



The Only Investment Bank Focused Exclusively on Financial Technology

### 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



The Only Investment Bank Focused Exclusively on Financial Technology

### FT Partners Advises AvidXchange in its Series F Financing

#### **Overview of Transaction**

- On June 8, 2017, AvidXchange announced a minority \$300mm Series F financing round
  - Mastercard, CDPQ and Temasek co-led the equity round with participation from Thiel Capital
- As part of this financing, Colleen Taylor of Mastercard and Nicolas Westphal of CDPQ joined AvidXchange's Board of Directors
- In addition to the equity investment, AvidXchange also announced a strategic partnership with Mastercard to deliver accounts payable and payment automation to midsize businesses; the offering will be marketed as The Mastercard B2B Hub powered by AvidXchange
- AvidXchange is a best-in-class business-to-business payments company that is revolutionizing how companies pay their bills by automating the invoice and payment processes
  - The Company focuses on serving mid-market clients and spans multiple industries including Real Estate, Financial Services, Energy and Construction

#### Significance of Transaction

- The transaction will further help AvidXchange expand as the leading independent business-to-business invoice and payment solution provider
- Strategic relationship with Mastercard expected to fuel additional growth in driving forward Avid's existing bank channel
- Firmly positions the Company to continue to grow the core business, invest in infrastructure and product development and pursue opportunistic acquisitions

#### FT Partners' Role

- FT Partners served as exclusive strategic and financial advisor to AvidXchange and its Board of Directors
- FT Partners leveraged its deep knowledge, extensive experience and broad industry relationships to help achieve a highly favorable outcome for the Company
- Transaction demonstrates FT Partners' continued success advising \$100mm+ financings

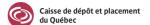
# FTP Securities LLC

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



in its Series F minority investment from





**TEMASEK** 

THIEL

for total consideration of

\$300,000,000



The Only Investment Bank Focused Exclusively on Financial Technology

### Award-Winning Investment Banking Franchise Focused on Superior Client Results

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

### The FT Partners Senior Banker Team

Name / Position	Prior Background	Experience / Education	Years of Experience
<b>Steve McLaughlin</b> Founder, CEO and Managing Partner	Goldman Sachs	<ul> <li>Formerly with Goldman Sachs in New York and San Francisco from 1995-2002</li> <li>Former Co-Head of Goldman Sachs' Financial Technology Group (#1 market share)</li> <li>Wharton M.B.A.</li> </ul>	23
<b>Larry Furlong</b> Managing Director	Goldman Sachs	<ul> <li>Formerly with Goldman Sachs in New York, London and Los Angeles from 1995-2004</li> <li>Wharton M.B.A.</li> </ul>	22
<b>Greg Smith</b> Managing Director	Merrill Lynch J.P.Morgan	<ul> <li>Formerly award winning Equity Research Analyst at Merrill Lynch, J.P. Morgan and Hambrecht &amp; Quist</li> <li>20+ years of experience covering FinTech as both an Analyst and Investment Banker</li> </ul>	22
<b>Osman Khan</b> Managing Director	mê pwc	<ul> <li>Formerly Managing Director and Head of FIG M&amp;A at Alvarez &amp; Marsal</li> <li>15+ years FIG deal, consulting and assurance experience at PwC</li> <li>40 Under 40 M&amp;A Advisor Award Winner in 2013</li> <li>LSE (BSc w/Honors), MBS (MBA w/Distinction), ICAEW (FCA)</li> </ul>	21
<b>Steve Stout</b> Managing Director	J.P.Morgan  First Data	<ul> <li>Formerly Global Head of Strategy at First Data</li> <li>Formerly Led J.P. Morgan Payments Investment Banking Practice</li> <li>Former Equity Research Analyst on #1 ranked team at UBS</li> <li>Former Economist at the Federal Reserve Bank</li> </ul>	20
<b>Mike Nelson</b> Managing Director	SUNTRUST	<ul> <li>Formerly head of FinTech M&amp;A at SunTrust Robinson Humphrey, began investment banking career at Piper Jaffray</li> <li>Kellogg M.B.A.</li> </ul>	18
<b>Tim Wolfe</b> Managing Director	Goldman Sachs	<ul> <li>Formerly with Goldman Sachs from 2000-2002</li> <li>40 Under 40 M&amp;A Advisor Award Winner 2013</li> <li>Harvard M.B.A.</li> </ul>	16
Kate Crespo Managing Director	RAYMOND JAMES®	<ul> <li>Formerly with Raymond James' Technology &amp; Services investment banking</li> <li>12+ years of FinTech transaction execution experience</li> <li>Dartmouth M.B.A.</li> </ul>	16
<b>Timm Schipporeit</b> Managing Director	Morgan Stanley Index Ventures	<ul> <li>Formerly with Morgan Stanley as Senior Executive Director of European Technology Investment Banking Team in London</li> <li>Formerly a Venture and Growth Investor focused on FinTech at Index Ventures</li> </ul>	15
Andrew McLaughlin Managing Director	Deloitte.	<ul> <li>20+ years experience executing / implementing financial and operational strategy</li> <li>Formerly with Deloitte Consulting</li> </ul>	12