



THE RISE OF WEALTHTECH

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I. Introduction

Following recent WealthTech transactions orchestrated by Drake Star Partners, such as rplan's sale to InvestCloud and Gambit's majority sale to BNP Paribas Asset Management we decided to share our views on this sector with the present report.

The wealth management segment is facing tremendous changes due to new tech-intensive solutions. Values at stake are significant given the size and the growth rate of the underlying wealth management sector (\$85 trillion in 2016 globally and about to reach \$101 trillion by 2020, +6% CAGR).

The wealth management and financial sectors have always been tech-intensive. In the 1990s, the financial industry was one of the very first to jump into monitoring and computing. The amount of data and the push for globalization have driven tech integration.

Software solutions dedicated to the wealth management industry are not recent. Avalog and Temenos, two leaders in the banking software development, have been distributing their products since the 1990s. Private banking departments of banks and independent wealth managers have integrated technology to face new profitability issues and to restore their margins. But the latest technology trends will have an even more profound impact on legacy solutions.

Wealth management actors, clients' expectations and trends tend to differ by main geographies:

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Very fragmented market with independent brokers

US/UK

- In the UK, the market is dominated by independent players
- Traditional banks & insurance companies are also leaders in wealth management

Continental Europe

Digital is already deeply anchored in the economy

Asia-Pacific

Medium-sized actors are well-versed in local specificities

End-clients are highly price-

sensitive and attached to

local advisors but do not

value personal relationship

Clients

Actors



- End-clients are highly pricesensitive and attached to local advisors but value personal relationship less
- Good knowledge of financial markets
- Looking for higher returns
- End-clients value personal relationship with wealth managers. They are less price-sensitive and inclined to trust global players
- Prevalence of banking deposit savings
- Strong risk aversion

Trends



- The global wealth management industry is becoming more regulated. WealthTech is quickly empowering end-customers
- AUM CAGR 2016-2021: +4.4%
- Models are shifting towards more self-servicing, independence and transparency for the endclient
- AUM CAGR 2016-2021: +4.5%
- Wealth management will continue its strong growth integrating WealthTech innovations in its model
- AUM CAGR 2016-2021: +5.9%

in



II. The WealthTech Market

THE RISE OF FINTECHS

The 2008 global financial crisis fostered the acceleration of FinTechs. FinTech companies have built their services using online and mobile channels and the digitalization of key processes to provide faster, more convenient and cheaper solutions. In the 2010s, as the global economy recovered, FinTechs gained trust among banks and investors. The sector was driven by the global adoption of a high speed and secure Internet and the ubiquity of smartphones and their technologies. Banks started to acquire FinTechs to restore their margins and appeal to new and younger customer segments. As raising money became easier, financial investors invested in FinTech companies with a view to monetize their technology on a relatively short-term horizon.

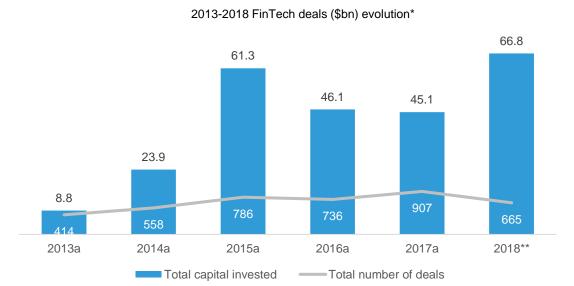


Figure 1: 2013-2018 FinTech deals evolution (\$bn)

THREE MAJOR TRENDS IMPACTING THE CURRENT WEALTH MANAGEMENT MARKET

Since the 2008 global financial crisis, the wealth management market has faced a strengthened regulatory framework and cost pressure. Various trends are driving the current and future wealth management market, putting wealth managers under margin pressure and changing the traditional framework of wealth management.

1. A global increase in regulations

The regulation on financial markets has been re-framing the wealth management market:

- Advocating absolute transparency:
 - Anti-money laundering: ensuring the investment traceability bolstered by regulations such as United States' Foreign Account
 Tax Compliance Act (FACTA), the UK's offshore investments Reporting Funds Status (RFS), MiFID II, the European Union's
 General Data Protection Regulation (GDPR), etc.
 - "Know Your Customer" (KYC): Assessing the risk profile of the potential customer before any transaction occurs
 - Responsibility towards the law
 - Privacy policy and private data management
 - Preserving and ensuring cybersecurity

^{*}Fundraising and M&A deals

^{**}up to August 2018



- Strengthening advisors' duties (applicable to traditional RIAs but also to Robo-advisors):
 - Substance & presentation of disclosures, which means the ability to:
 - Explain the business model, algorithms and associated risks
 - Explain and define clearly the scope of advisory services
 - Deliver a clear and tangible presentation of disclosure
 - Provision of suitable advice and tailor-made investments:
 - Meeting clients' requirements
 - Acting upon clients' best interests
 - Effective compliance programs:
 - Back testing, changing and monitoring its algorithm
 - Keeping clients' information safe
 - Ensuring a constant improvement:
 - Improvement of customers' services
 - Permanent reassessment of clients' risk profile, and if needed re-balancing of the investments portfolio

2. Investor empowerment

- The regulatory changes have empowered investors, enabling them to pressure the advisory fees down. The amount of fees and commissions charged by wealth managers is more and more regulated. Laws such as the UK's Retail Distribution Review have flourished, limiting or even banning advisory commissions
- The race for transparency has forced wealth managers to provide the best asset combinations to their customers and often offer them
 passive management investments with lower costs
- The increasing number of data and their facilitated access enable investors to be more aware and critical towards investment
 proposals and to look for cheaper and more innovative solutions. They are moving towards sophisticated and customized services
 that can be achieved through technology solutions

3. Accelerating digitalisation & new technologies

Digitalisation and new technologies are impacting the entire value chain through artificial intelligence, robotics, big data and blockchain requesting significant investments. As each segment is tech-intensive, only specialized players can survive. Various actors rely on diverse strategies including:

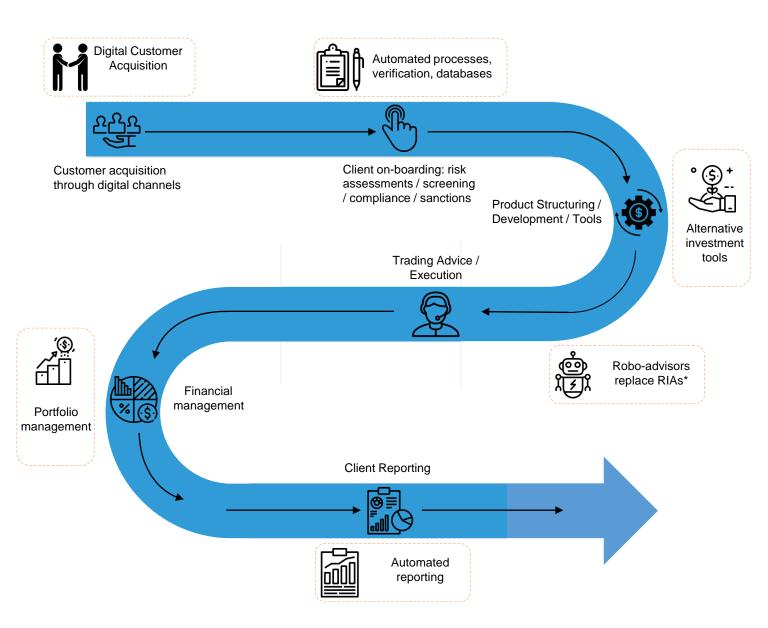
- Acquisition: the WealthTech market is widely fragmented and banks or asset managers started acquiring start-ups and to consolidate the market. Example: Ally acquired Tradeking for \$275 million in May 2015
- Partnership: FinTechs increasingly partner with banks and asset managers looking for new ways to increase profitability through products and services that are low cost but easy to use and understand
- Strategic investment example: BlackRock has invested in Robo-advisors since June 2017 (e.g. Scalable Capital)
- In-house development of hybrid solutions and Robo-advisors: Goldman Sachs, Morgan Stanley and Fidelity Investments among others have chosen to develop in-house solutions



THE WEALTHTECH DEVELOPMENT

WealthTech encompasses innovations consisting of any technology (in-house or outsourced) to help wealth management related companies in their activity. WealthTech companies focus on transforming the industry by identifying inefficiencies along the value chain. Benefits include more effective portfolio management, better assets liquidity, improved customer experience, cost transparency, improved advice, and clearer transaction technologies.

WealthTech companies tackle the entire wealth management value chain:



*Registered Investment Advisors



KEY DEVELOPMENTS ALONG THE VALUE CHAIN



2

Acquisition



Client Onboarding

3



Product Structuring Tools

1



Trading Advice & Execution

5



Financial Management

6



Client Reporting

Customer Acquisition

WealthTech enables companies to improve their customer acquisition process by becoming more efficient and smarter. It also helps to open up new acquisition channels and target groups. Furthermore, digital solutions drive cost reduction and allow companies to acquire a larger number of customers in a shorter period of time. New analytics software also lets companies leverage their data in order to get to know the customer better and subsequently to strategically identify and address specific customer groups.

Client Onboarding

The first 90 days of the customer relationship is essential to set a stable foundation for the future. Technology supports advisors in conducting regulatory-conform onboarding KYC processes and with this help to gather insights and understand customers' needs. An automated onboarding platform allows advisors to manage customer lifecycles, centralize data and therefore reduce administrative work in order for advisors to focus on the client.

Product Structuring Tools

A personalized investment portfolio is built upon the qualitative and quantitative customer data gathered during the onboarding process. Technology uses the data to set up accurate investment strategies which are in accordance with the risk profile of the customers.

Trading Advice & Execution

Trading advice is shifting from a purely human-operated process to a highly automated process. Technology is replacing brokers by offering automated trades using advanced algorithms to identify best stocks and processing bulk orders. Trades are executed without a wealth manager's supervision. New risk analysis software can also offer current investment products and portfolios while identifying key weaknesses.

Financial Management

Sophisticated financial management was only offered to high net-worth individuals in the past. WealthTech companies are transforming the whole industry, making customized and automated portfolio management services available to a broader affluent market. Only with the help of high-tech software solutions, millions of portfolios can be checked on a daily basis, analyzing whether the composition still mirrors the pre-defined investment strategy and risk allocation, and subsequently rebalance portfolios automatically.

Client Reporting

In traditional wealth management, client reporting services were a huge administrative effort, taking up to four hours to create one client report for one customer. WealthTech solutions enable financial institutions to automate this service, taking into account the regional regulatory requirements and use new communication channels like Amazon Alexa or Google Home.



WealthTech solutions address both B2B and B2C segments:



Description

Product

BtoB

BtoC

Digital solutions drive cost reduction and allow companies to acquire a larger number of customers in a shorter period of time New software lets companies leverage their data in order to better know the customer, to identify and address specific customer groups Better customer acquisition via adequate targeting backed by Big Data and AI Easier and faster access to the wealth management industry



Description

Product

BtoB

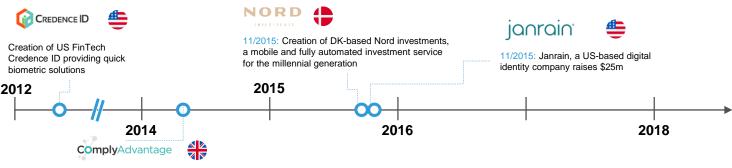
BtoC

Technology supports advisors in conducting regulatory-conform onboarding KYC processes and help to gather insights and understand customers' needs

An automated onboarding platform allows advisors to manage customer lifecycles, centralize data, check and therefore reduce administrative work

Al, blockchain and social biometrics enhance and facilitate the collection and security of users' activities Automation facilitates the client's process (online registration, investments followup) and enhances their awareness by facilitating access to financial learnings

Selected developments:



Creation of UK FinTech ComplyAdvantage developing an Al-based background check tool





Alternative investment tools

Description

Offer facilitated

access to alternative

investments (private

equity, real estate,

etc.) usually only available to

dedicated

professionals

Product

Solutions for alternative investments such as marketplace and investment platforms

BtoB

Solutions to ease the integration and management of alternative positions into global portfolios

BtoC

Individuals can invest in alternative assets (crowdfunding, etc.)

Selected developments:





Creation of the FR FinTech SmartAngels, an early stage investment firm open to private investors



2015

01/2016: Blueopes, a Hungarian

digital wealth management provider focused on SRI is founded



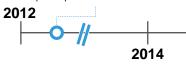
Q4/2016: Fronteer Solutions, NOR-

based digital asset management company is founded



2017: Atom invest, a UK-based alternative platform is created

2018





Description

Algorithmic systems to

clients' risk profile: Easier product offerings, new investment strategies, and lowering of costs

BtoB

2016

2017

BtoC



Robo-advisors

Leverage of data from the onboarding process to set up accurate investment strategies according to customers' risk profile

lower costs and drive efficiency into building

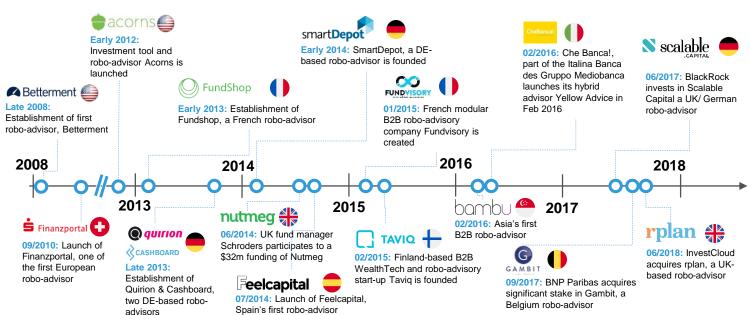
Product

Software for financial companies to offer an automated service of investment arbitration to their customers

Similar software dedicated directly to end-users

Selected developments:

advisors







Portfolio management

Description

Automated trades using algorithms. Customized and automated portfolio management services available to the affluent mass market

Product

Investment monitoring and automated trade software

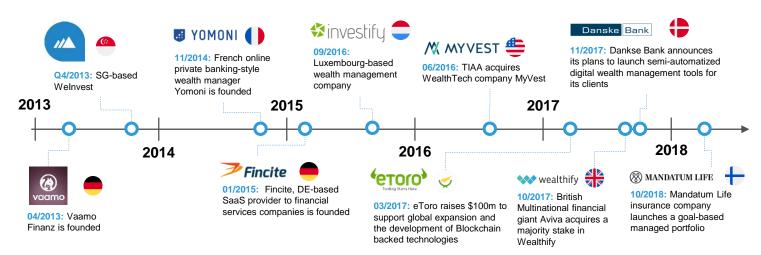
BtoB

Centralize investment portfolio in a unique platform. Improve reporting and forecast performance

BtoC

Centralize investments of clients and monitor the financial position of investments

Selected developments:





Client reporting

Description

Automated reporting

taking into account

the regional

requirements

regulatory

Product

Software that automates client reporting and client relations

BtoB

Automated reporting tools resulting in improved efficiency. Enhanced reporting enabling client customization

BtoC

Better view of financial position with automated and tailored reporting and reviews



III. WealthTech Use Cases

A growing number of senior citizens' and millennials' increasing financial power has instigated a revolution in the wealth and asset management industry. Fueling that revolution is the growing WealthTech market. Incumbents and start-ups alike are getting on the WealthTech bandwagon, as new technology solutions transform the market. WealthTech companies are providing a whole range of solutions, be it robo-advisory, micro-investing, impact investing or portfolio optimization technology. The following areas are just a few examples of a much larger and still expanding pool of use cases developed through WealthTech:

USE CASE: ROBO-ADVISORY

Wealth managers have neither the incentive nor the resources to carefully manage every potential client's portfolio, instead often prioritizing portfolios and investments worth at least \$500,000. This excludes a very large pool of potential customers.

New technologies are addressing this shortage by automating advice. Companies have developed robo-advisors that can provide services ranging from simply providing savings advice to consumers actually selecting the investments for themselves. By working with investments ranging from as low as \$1, robo-advisors can provide financial advice to a much larger clientele. Robo-advisors automate the investment management process, either working completely independently or in conjunction with a human financial advisor. Robots can process large sets of data and work off algorithms to create a diversified portfolio that maximizes returns.

The use cases for robo-advisors alone are increasing rapidly; by 2020, robo-advisors are expected to manage between \$2.2 and \$3.7 trillion in assets. Robo-advisors can work in conjunction with new software to help determine a client's risk profile for investing or identify a client's ethical preferences and build its portfolio accordingly.

Despite wealth managers' uneasiness when facing the rise of WealthTech, incumbents have had to reckon with the need for more advising resources. Firms like Vanguard or Charles Schwab are already beginning to adopt robotic technologies.



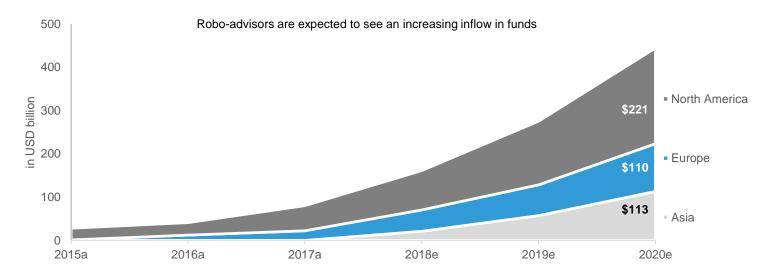


Figure 2: Fund inflow of robo-advisors (in \$bn)

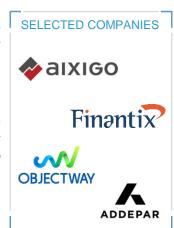


USE CASE: DIGITALIZATION IN RETAIL WEALTH MANAGEMENT

In the past decade, wealth managers' profits have decreased by almost one-third. This is due to a combination of factors including stricter regulations (e.g., FIDLEG, MIFID II) and consumers' desire to minimize risks and costs inherent to portfolio. The number of consumers interested in investing, however, continues to increase, leaving wealth managers with the question of how to address a growing population with low profit margin products.

Retail banks and wealth managers are turning to software that will allow them to digitize the entire investment management process. New software is enhancing companies' CRM by automating regulatory and client due diligence processes and providing banks and consumers with real-time, on-demand access to investment analyses.

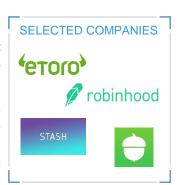
WealthTech companies are also providing risk-management solutions, automated accounting and billing, and other features to minimize banks' and wealth managers' costs while maximizing consumers' experiences.



USE CASE: MICRO-INVESTING

A millennial between the ages of 22 and 30 makes 8% less than what their income was in 2008. That coupled with more than 50% of millennials feeling that they have no one to turn to for financial advice has led to younger people's increased reluctance to invest. They simply lack both the funds and the know-how.

For those with limited financial experience, micro-investing provides low risk and easy accessibility. The practice of micro-investing is becoming increasingly popular as companies provide mobile and online platforms through which people can invest as little as a few Cents. The goal for micro-investing is that, eventually, the practice will become so widespread that people will automatically invest their spare change in a fund or towards buying a stock.



USE CASE: SOCIALLY RESPONSIBLE INVESTING

Socially Responsible Investing (SRI) covers investment strategies which seek to consider both, financial return and environmental, social and corporate governance (ESG) to create positive societal impact. SRI comes with many different strategies. Impact investing for example intentionally targets specific social goals. It is about investing in companies and projects that try to solve social or environmental problems. It does not only focus on emerging countries, but also tries to help create cheap housing in European cities or new jobs in former coal cities in the US. Exclusionary investments on the other hand exclude investments in companies and projects, that produce arms or are suspected to destroy the environment.

But SRI investing has long been a domain of mostly large institutional investors, which had the resources to access and analyze information about potential investment opportunities. However, FinTechs have started to open the market for not only high net worth investors but also retail investors. The innovation is driven by FinTechs using technology to offer automated data analysis for individual investors, while offering a wider range of asset management solutions at lower overall cost.

Many FinTechs in SRI are targeting Millennials, that are 2x more likely to make sustainable investments than the average investor. Principal-based and ethical investing also follow this trend.





USE CASE: DIGITIZING RETIREMENT ASSETS

Where robo-advisors are particularly needed is for future retirees. There are over \$27 trillion worth in retirement assets, and by 2025, there will be 163 baby boomers per 1 financial advisor. New WealthTech technologies are making it possible for people to more effectively manage their retirement savings by using robo-advisors and automated processes. Robo-advisors are providing those extra resources, helping retirees track the fees they pay on their investment and providing tailored budgeting plans with little to no need for human intervention. Increasingly popular is also the automation of 401(k) allocations in the US, with some platforms working exclusively on helping people maximize returns from their 401(k) accounts.



USE CASE: AUTOMATED PORTFOLIO MANAGEMENT

The use of robo-advisors is steadily increasing, targeting a larger market and providing more guidance to smaller portfolios. These advisors can serve simply as a supplement to human-run portfolio management or work mostly independently. In time, this automation can become more comprehensive as robo-advisory services implement more self-learning algorithms.



USE CASE: DIGITIZED CUSTOMER RELATIONSHIP MANAGEMENT

WealthTech companies are making it easier for wealth management firms to improve their CRM practices by digitizing client information and customizing clients' experiences. This is a much-needed approach for wealth managers as only 39% of their clients are likely to recommend their wealth manager, indicating a severe level of customer dissatisfaction.



USE CASE: RISK MITIGATION

WealthTech companies are providing software that helps mitigate risk, both to meet customer and regulatory needs. This means helping determine a clients' risk profile for investing and ensuring secure transactions.



USE CASE: INCREASED ABILITY TO SHARE EXPERTISE

WealthTech platforms are redefining investment techniques, with expertise sharing being one of the most successful trends. Players like eToro and NerdWallet allow users to follow and copy the habits of successful traders. Commonly refereed to as social trading, these providers are indicating a shift from a highly secretive investment community to a more open one. The result is that newcomers and experts alike can follow and copy the investment decisions of successful professional brokers. Increased digitization of processes and more accurate tracking has also made it easier for investment managers and traders to share expertise within their own firms.

Combined with micro-investing, the general idea is that individuals need neither a significant amount of funds nor extensive expertise to begin investing.



USE CASE: EXTENSIVE DATA ANALYSIS

New WealthTech solutions are also allowing wealth managers and consumers alike to more effectively sift through the endless financial data relevant to making an investment. Practices such as intelligent tagging of stocks and predictive and scenario-based analytics are becoming more common.



Source: CB Insights, BBVA



USE CASE: GATEWAY TO ALTERNATIVE INVESTMENTS

WealthTech firms are also opening the market for alternative investments to individual investors. Key benefits for investors are lower complexity, lower investment amounts and lower costs. They also cover latest trends like cryptocurrencies by promoting investments into cryptocurrencies as well as developing investment management platforms that use cryptocurrency as a means of trade.



USE CASE: PROVIDING FINANCIAL EDUCATION

Many innovations from FinTechs in wealth management have helped to democratize and increase access to financial services. As such, technology will continue to change the financial world, and all of these innovations could also help to increase financial literacy and education levels. The reality is, however, very different: while the number of FinTechs and their usage is continuously increasing, financial literacy still remains very low. Globally, only 30% of women and 35 % of men were classified as financially literate in 2015. A new group of FinTechs has started to use new technologies to make personal finance much easier and also help to improve financial literacy.





IV. M&A Market Activity

The wealth management industry is seeing unprecedented levels of M&A activity primarily driven by an aging advisor community, technological advances and regulatory actions. Since 2015, M&A transactions have remained healthy, but 2018 had a sharp increase in terms of deal volume and total dollar value for disclosed deals. 2019 has started on a good note with 5 deals during the first month of the year including a \$200 million strategic acquisition. Excluding the seven high value deals (\$1 billion plus deals), median transaction value was approximately \$64.5 million for the period 2015-2018. These seven billion dollar deals included Virtu Financial's acquisition of Investment Technology Group in November of 2018 for \$1.1 billion, CDP & Generation Investment Management's acquisition of FNZ in October of 2018 for \$3.2 billion, SS&C Technologies' acquisition of Eze Software Group in July 2018 for \$1.5 billion, State Street Corporation's acquisition of Charles River Systems in July 2018 for \$2.6 billion, Markit North America's acquisition of Ipreo in May of 2018 for \$1.9 billion, a buying consortium's (led by TPG Capital and the Carlyle Group) acquisition of Du Xiaoman Financial in April 2018 for \$1.9 billion, and SS&C Technologies' acquisition of Advent Software in February 2015 for \$2.7 billion.



Year	Deal Volume	Total Disclosed Deals	Total Deal Value (Disclosed Deals)	Average Deal Value (Disclosed Deals)	Median Deal Value (Disclosed Deals)		
2019 YTD	5	1	\$200.0	\$200.0	\$200.0		
2018	58	21	\$14,449.8	\$688.1	\$118.8		
2017	36	7	\$1,023.8	\$146.3	\$20.0		
2016	35	10	\$2,948.8	\$294.9	\$147.5		
2015	36	17	\$5,370.1	\$315.9	\$64.0		

Figure 3: M&A market activities by year since 2015 (in \$m)

M&A activity has been strong since 2015 and gained momentum in 2018. In 2018, there were 58 M&A deals – a 61% increase from 2017. While there has been a sharp increase in very large deals in 2018, including six of the seven high value deals mentioned above, median transaction size has also increased, from \$64.0 million in 2015 to \$118.8 million in 2018.

KEY M&A TRENDS

The vast majority of transactions are strategic buyers acquiring firms in North America and Europe. Approximately 90% of the transactions since 2015 have been by strategic acquirers, most often asset managers, software providers and other WealthTech firms. Due to increased competition and technology improvements, many asset managers have tried to acquire technology to become more efficient and scale their business. Software providers that serve the financial services industry have used M&A to increase their offerings to banks and asset managers. On a geographic basis, the two dominant regions, North America and Europe, accounted for approximately 90% of acquired companies.



Deal Volume by Buyer Type

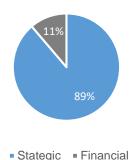
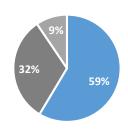


Figure 4: Deal volume split by type of buyer, 2015-2019 YTD

Target Company Region



North America Europe Others

Figure 5: Target company split by geography, 2015-2019 YTD

NOTABLE TRANSACTIONS

Quovo to Plaid - January 2019

Plaid acquired Quovo, a provider of financial analytics, data, and insights for small- and mid-sized investors, for approximately \$200 million. The combined firms now have a full range of services that range from payments to investing. This comes shortly after Plaid raised \$250 million at a \$2.65 billion valuation.

Vaamo to Moneyfarm - November 2018

The digital wealth manager Moneyfarm announced its acquisition of German compatriot Vaamo. Vaamo Finanz AG offers digital asset management services to individuals. The company is dedicated to providing private individuals with an easy and intuitive access to capital markets in order to enable everyone to invest their money profitably and at minimum cost. With the acquisition, Moneyfarm continues its European expansion into Germany after establishing a presence in the UK and Italy.

SS&C Technologies to Eze Software Group – July 2018

Eze Software, a global provider of investment technology, announced that SS&C Technologies Holdings, Inc. has entered into a definitive agreement to acquire the company. SS&C, a global provider of investment and financial software-enabled services and software for the global financial services and healthcare industries, will acquire Eze from TPG Capital for \$1.5 billion in an all cash transaction. This amounts to a revenue multiple of approximately 5.2x. SS&C Technologies expects cost savings and cross-selling opportunities from this acquisition. The transaction is scheduled to close in Q4 2018.

State Street Corporation to Charles River Systems – July 2018

State Street Corporation acquired a provider of investment management front office tools and solutions, Charles River Systems, for \$2.6 billion in an all cash transaction. The company agreed to pay an approximate 8.4x revenue multiple. When integrated with State Street's existing front, middle and back office capabilities, Charles River Development's front-office systems will enable State Street to deliver a global front-to-back platform for asset managers and asset owners.

rplan to InvestCloud – June 2018



rplan is the UK's leading provider of client engagement technology to support bespoke investment propositions for web and mobile. The acquisition will see rplan's capabilities made available to InvestCloud's global client base of more than 700 firms, including some of the largest financial institutions in North America.















IHS Markit to Ipreo Holdings - May 2018

Ipreo, a leading financial services solutions and data provider, agreed to be acquired by IHS Markit. IHS Markit is acquiring the business from private equity funds managed by Blackstone and by the Goldman Sachs Merchant Banking Division for \$1.9 billion. The acquisition will allow for new data, real time intelligence, and improved workflow efficiency for each company. The transaction closed in August of 2018.

IHS Markit

Vermeg to Lombard Risk – January 2018

Vermeg, a European banking and insurance software solutions leader, acquired Lombard Risk, the leading global provider of integrated regulatory reporting and collateral management solutions for \$70.5 million, or approximately 1.6x revenue. Lombard Risk will expand Vermeg Group's geographical footprint and product lines into fast growing areas including collateral management and regulatory risk solutions. The acquisition closed in February 2018.



Gambit to BNP Paribas - December 2017 DRAKESTAR



BNP Paribas Asset Management acquired a majority stake in Gambit, a Belgian FinTech providing investment advisory services. The firm's robo-advisory products are deeply integrated into their clients' core IT systems, making Gambit's solutions an incorporated & pivotal piece of the clients' wealth management operations. The acquisition is adding an advanced digital offering for investment advisor, while preserving Gambit's independence which has been central to the firm's success.



VERMEG





Community Bank System to Northeast Retirement Services - December 2016

In December 2016, Community Bank System agreed to acquire Northeast Retirement Services (NRS), a leading provider of plan accounting, transfer agency, fund administration, trust and retirement plan services for \$145.0 million in a cash and stock transaction. Northeast Retirement Services has become a subsidiary of Benefit Plans Administrative Services (BPS), a wholly-owned subsidiary of Community Bank System. The combination of NRS and BPAS has created an organization with over \$80.0 million in annual revenue, over \$50.0 billion in trust assets and 3,800 retirement and other employee benefit plan administration clients throughout the United States and Puerto Rico. The transaction closed in February 2017.





Intertrust to Elian – June 2016

Intertrust, a global provider of high-value trust and corporate services, agreed to acquire Elian Group from Elian's management and funds managed by Electra Partners for \$625.0 million. Synergies will come from a reduction in overlapping support functions; savings on insurance policies, regulatory costs and professional services; rationalization of duplicate locations and cross-selling across client networks. The acquisition closed in September of 2016.



HTSC

ASSETMARK



Huatai Securities to AssetMark - April 2016

AssetMark, a provider of an innovative platform, investment and consulting solutions serving financial advisors, agreed to be acquired by Huatai Securities from private equity firms Aguiline Capital Partners and Genstar Capital for \$780.0 million. This was Huatai's first investment in the United States as it looks to expand its geographic reach. The acquisition closed in October of 2016.

Ally Financial to TradeKing – April 2016

Ally Financial agreed to acquire TradeKing, a digital wealth management company, for \$275.0 million. The addition of wealth management is believed to be the next key step in Ally's digital product evolution and create a combination of direct banking and innovative investment services in a single integrated customer experience. The transaction closed in June of 2016.



Opus Bank to PENSCO Trust - January 2016

Opus Bank agreed to acquire PENSCO Trust Company, a wholly-owned subsidiary of PENSCO Services, for \$103.8 million. PENSCO is a custodian of self-directed IRA and alternative investments headquartered in San Francisco, California. This acquisition marks Opus Bank's move into the alternative asset wealth services business. The transaction closed April of 2016.

Financial Engines to The Mutual Fund Store - November 2015

Financial Engines, an independent investment advisor, agreed to acquire The Mutual Fund Store, a nationally-branded independent Registered Investment Adviser, from Warburg Pincus and management for total consideration of approximately \$580.0 million, including cash and stock. The acquisition will enable Financial Engines to expand its independent advisory services to 401(k) participants through comprehensive financial planning and the option to meet face-to-face with a dedicated financial advisor at one of more than 125 national locations. The transaction closed in February of 2016.

Envestnet to Yodlee – August 2015

Envestnet, a provider of unified wealth management technology and services to financial advisors, agreed to acquire Yodlee, a cloud-based platform driving digital financial innovation for approximately \$610.0 million. The combination of Envestnet's end-to-end wealth management platform and Yodlee's data aggregation solutions is expected to deliver more value through the Envestnet platform. The transaction closed in November of 2015.

Temenos to Multifonds - March 2015

Temenos, a provider of software to financial institutions globally, agreed to acquire Multifonds, a global provider of fund administration software for \$260.3 million. The acquisition will give Temenos additional scale, access to complementary products, client relationships with more than 30 of the world's largest financial institutions, and exposure to the fast-growing fund administration market.

SS&C Technologies to Advent Software - February 2015

SS&C Technologies, a global provider of financial services software and software-enabled services, agreed to acquire Advent Software, a provider of software and services for the global investment management industry for \$2.7 billion. The acquisition is expected to enhance SS&C's overall offering with Advent's products, services, and dedicated employees; improving the customer experience for over 10,000 financial services organizations worldwide. The transaction closed in July of 2015.

Bridgepoint to eFront – January 2015

eFront, a software provider of financial solutions for managing alternative investments, agreed to be acquired by European private equity investor Bridgepoint for \$341.4 million. eFront's core market was forecast to grow at double-digit rates, as underlying markets grow and the increasingly complex alternative investment funds scale, institutionalize and face an increasing regulatory burden.

























V. Private Placement Market Activities

For private placements in the WealthTech space between January 2015 and January 28, 2019, we have identified 510 deals with approximately \$13.2 billion in total capital raised.

Year	Deal Volume	Volume Total Deal Value (Disclosed Deals)		Median Deal Value (Disclosed Deals)		
2019 YTD	11	\$74.2	\$14.8	\$4.0		
2018	146	\$4,869.9m	\$40.5m	\$6.3m		
2017	121	\$2,492m	\$27.1m	\$6.7m		
2016	126	\$1,654m	\$16.2m	\$4.1m		
2015	106	\$4,298m	\$48.3m	\$4.2m		

Figure 8: Private placement market activities by year, 2015-2019 YTD

Similar to trends in M&A, 2018 had the largest deal value and deal volume of any of the years in our analysis. The high dollar volume in 2018 was mainly driven by four large fundraisings:

· Robinhood: \$363 million

Plaid: \$250 millioneToro: \$100 million

Folio: \$63 million

The overall pace of private placements continues to trend upward and 2018 had the largest number of placements over the last four years. Furthermore, average deal value has increased each year since 2016 as a handful of large companies have emerged and raised larger and larger rounds.

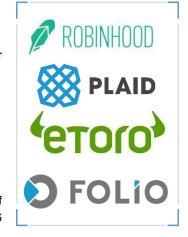




Figure 9: Number of deals 2015-2018 YTD



Figure 10: Average deal size 2015-2018 YTD (in \$m)



NOTABLE TRANSACTIONS

Nutmeg, \$58 million from Goldman Sachs, Convoy Global Holdings – January 2019

Nutmeg's Series E valued the company at approximately \$320 million. The company will use the proceeds to invest in products and features as well as expand internationally. This is the largest ever investment into a digital wealth manager in Europe and will help company to expand its international business to business plug-and-play partnership model which leverages it's proprietary technology and operational expertise.

Plaid, \$250 million from KPCB, Andreessen Horowitz, Index Ventures, Goldman Sachs, Norwest Venture Partners, Coatue Management, New Enterprise Associates, and Spark Capital Partners – December 2018

Plaid's Series C funding valued the company at \$2.7 billion. The company will use the proceeds to hire aggressively, scale up products and operations, and reinvest in its fintech ecosystem.

Snowball Finance, \$120 million from Ant Financial Services Group - July 2018

Snowball Finance's Series D valued the company between \$400 to \$500 million. The company will use the proceeds for research and development of its online platform, widen its product offering, and hire more talent

Robinhood, \$363 million from CapitalG, DST Global, ICONIQ Capital, Kleiner Perkins Caufield & Byers, Sequoia Capital – May 2018

Robinhood's Series D valued the company at \$5.6 billion. At the time of the transaction the company had approximately 4 million users and had passed \$150 billion in transaction volume. The new funding will be used to hire experienced executives, recruit more engineers, improve customer service, expand product lineup, and invest in its technology infrastructure.

eToro, \$100 million from China Minsheng Financial Holding Corporation, Korea Investment Partners, SBI Holdings, The World-Wide Investment Company – April 2018

Israeli social investment platform eToro raised \$100 million of Series E funding at a post-money valuation of \$800 million. The company will use the proceeds to expand into new markets as well as continue its blockchain research and the development of digital assets. At the time of the transaction the company had approximately 9 million users.

Aspiration Partners, \$47 million from Social Impact Finance, Allen & Company, Investment Arm, Alpha Edison, Capricorn Investment Group, Omidyar Network, REYL & Cie – December 2017

Aspiration Partners received \$47 million in its series B round of equity funding. The company plans to use the proceeds to accelerate its growth in customers and new products. At the time of the transaction, Aspiration's customers were transacting over \$2 billion a year on its platform and saved over \$100 million in bank fees.

Betterment, \$170 million from Anthemis Group, Bessemer Venture Partners, Francisco Partners Management, Globespan Capital Partners, Investment AB Kinnevik, Menlo Ventures – March 2016

Betterment raised \$170 million of series E funding at a post-money valuation of \$800 million. Betterment will use the proceeds to aggressively grow its business and increase product development, to build out its two newest lines of business – a white label product that it sells to institutional investors and a product that helps companies and employees manage their 401k investments.

















InvestCloud, \$45 million from FTV Capital - October 2015

Money manager platform InvestCloud raised \$45 million in Series B funding from FTV Capital. The company plans to use the proceeds to pay stockholder redemption, further invest in its platform, functionality, enhance customer service, and expand the company's global footprint.

NerdWallet, \$69 million from Core Innovation Capital, iGlobe Partners, Institutional Venture Partners, RRE Ventures – January 2015

NerdWallet received \$69 million in Series A funding from more than 30 investors valuing the company in the mid-hundred million. The company plans to use the proceeds to build a bigger product team to expand the website's features and broaden its information resources, which include backgrounder papers and consumer-focused articles.



FINANCING TRENDS

The concentration and value of private placement activity provides two major drivers within WealthTech: company formation continues to be strong while maturing companies are making up a larger portion of deals. Early venture (defined as funding rounds through Series A) has made up approximately 70% of funding since 2015. As for Mid Venture (defined as Series B through E), while it is down slightly in 2018, there is definitely a noticeable trend upward since 2015. While companies continue to mature, Late Venture (defined as Series F and above) is almost non-existent as WealthTech is a relatively new development within the FinTech segment.

Series	Series Total Disclosed Deal Volume		Average Deal Value		
Early Venture	272	\$2,522m	\$9.3m		
Mid Venture	125	\$9,526m	\$76.2m		
Late Venture	3	\$999m	\$333.0m		

Figure 11: Total disclosed deal value per financing stage, 2015-2019 YTD

Series	Total Deal Volume	2015	2016	2017	2018	2019 YTD
Early Venture	351	80	93	76	102	8
Mid Venture	144	26	32	44	42	3
Late Venture	3	0	1	1	1	0

Figure 12: Total deal volume, 2015-2019 YTD

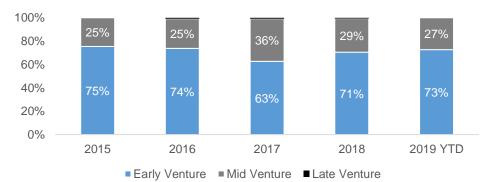


Figure 13: Funding split regarding stage



PUBLIC COMPARABLE COMPANY VALUATION

Looking at the performance of the WealthTech index, it developed in accordance to the broader FTSE 250 and S&P 500 indices since the beginning of the year 2015. The WealthTech market generated a return of 28% compared to 15% and 28% generated by the FTSE 250 and the S&P 500, respectively. While the performance dropped in 2015 for all three indices, the market recovered in 2016. In 2017, the market value increased rapidly, leading to an overall high of the WealthTech market in June 2018.

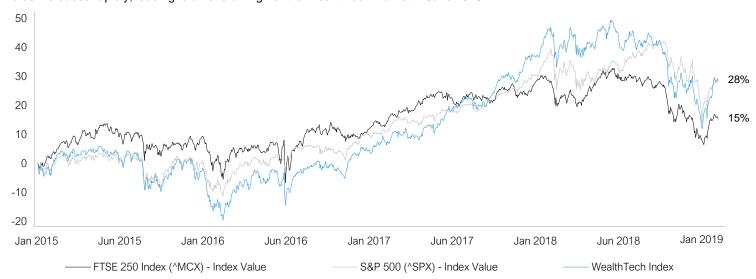


Figure 14: Comparison of WealthTech index development to FTSE 250 and S&P 500

The WealthTech market index is made up of five groups: Portfolio Management Technology, Asset Management, Financial Outsourcing Solutions, Investment Intelligence and Digital Brokerage. Looking at the five groups separately, the immense need for disruption and Wealth Management technology becomes visible due to the huge upsurge of market values. Four out of the five groups outperform the overall market by far, especially with the groups Portfolio Management and Financial Outsourcing Solutions experiencing extraordinary growth, yielding a return of 170% and 88% since the beginning of 2015, respectively. Only the Asset Management group does not perform as well with a negative return of -12%. Asset managers have to fight against declining prices, lower organic growth, and a shift towards other investments like ETFs, resulting in a decrease in revenues and profitability. Therefore, investments in new technology is essential to improve the investment processes, reduce costs and increase the effectiveness of sales people.

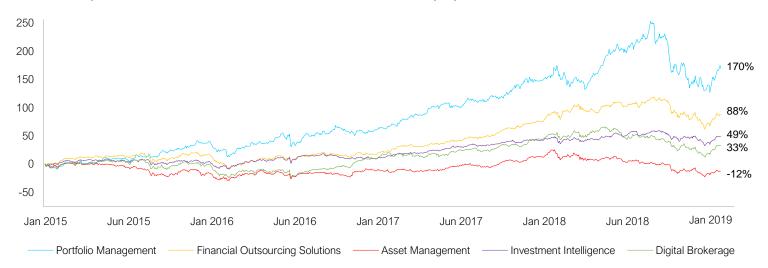
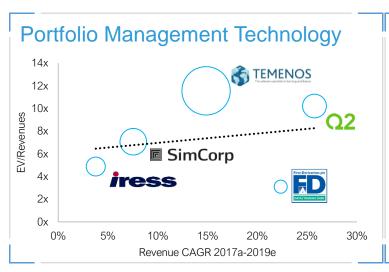


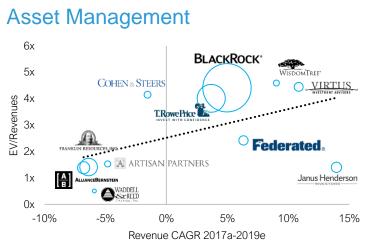
Figure 15: Comparison of the different sub-groups of the WealthTech index

Source: Institutional Investor

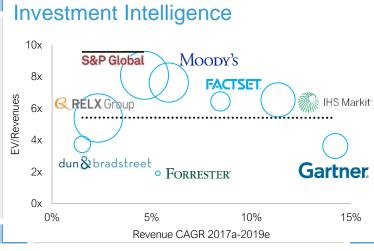


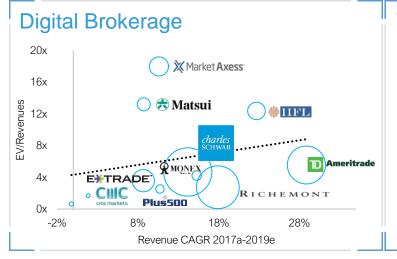
Each WealthTech group shows a correlation between revenue growth and revenue multiple, especially for the likes of Portfolio Management Technology, Asset Management, and Digital Brokerage, which show a consistent increase in revenue multiple when the company has also shown strong revenue growth. The size of the circle for each company reflects the market capitalization.

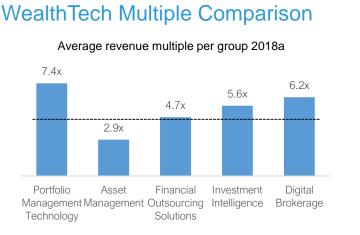












Source: Capital IQ 21



The WealthTech market is expected to have an average revenue multiple of 4.4x and EBITDA multiple of 12.6x for 2018.

Portfold Management Technology	Company	Mkt Cap (€m)	EV (€m)	Revenue	EV/Revenues		S	EV/EBITDA		
Portfolio Management Technology				CAGR	0047 0040 0040		0040-	2017- 2010- 2010-		
Temenos AG 9,352 9,783 14,9% 13,1% 16,8% 54,8 41,1% 13,0% 26,8% 26,8% C2 C2 Holdings, Inc. 14,83 1,00 3,8% 1,2% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12,8% 12	Portfolio Managament Technology	17.050								
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Moody's Corporation 30,372 34,401 5.9% 8.2x 7.6x 7.3x 17.3x 16.0x 15.3x 15.0m 15.3m			51,126	4.7%	8.4x	8.1x	7.7x	17.4x	16.3x	15.5x
Thomson Reuters Corporation 26,211 33,433 0.0% 3.0% 6.1% 5.6% 13.3% 25.9% 23.8% 18M Markit Ltd. 20,631 26,196 11.3% 7.3% 6.5% 5.9% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.0% 23.2% 19.8% 15.2% 23.2% 19.8% 15.2% 23.2% 19.8% 15.2% 23.2% 19.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2% 23.2%	RELX PLC	43,472	51,738	2.3%	5.2x	5.4x	5.0x	17.1x	15.3x	14.1x
HS Markit Ltd.	Moody's Corporation	30,372	34,401	5.9%	8.2x	7.6x	7.3x	17.3x	16.0x	15.3x
Gartner, Inc. 12,351 14,311 14.2% 4.3x 3.6x 3.7x 20.2x 18.2x FactSet Research Systems Inc. 8,316 8,693 8.5% 7.1x 6.4x 6.1x 21.0x 19.5x 17.4x Morningstar, Inc. 5,296 5,020 n.a. 5.5x 6.4x n.m. 21.4x n.a. n.a. The Dun & Bradstreet Corporation 5,374 6,492 1.5% 3.7x 3.7x 3.6x 14.2x 12.7x 12.0x Forrester Research, Inc. 820 676 5.3% 2.0x 1.9x 1.8x 19.3x 17.5x 12.9x Digital Brokerage 161,716 148,016 16.7% 7.1x 6.2x 5.5x 15.5x 11.7x 10.4x The Charles Schwab Corporation 63,161 47,423 14.2% 5.5x 4.7x 4.2x 12.1x 9.7x 8.4x Compagnie Financière Richemont SA 38,869 37,160 17.9% 3.3x 2.7x 2.3x 16.6x	Thomson Reuters Corporation	26,211	33,433	0.0%	3.0x	6.1x	5.6x	13.3x	25.9x	23.8x
FactSet Research Systems Inc. 8,316 8,693 8.5% 7.1x 6.4x 6.1x 21.0x 19.5x 17.4x Morningstar, Inc. 5,296 5,020 n.a. 5.5x 6.4x n.m. 21.4x n.a. n.a. The Dun & Bradstreet Corporation 5,374 6,492 1.5% 3.7x 3.7x 3.7x 3.6x 14.2x 12.7x 12.0x The Charles Schwab Corporation 63,161 47,423 14.2% 5.5x 4.7x 4.2x 12.1x 9.7x The Charles Schwab Corporation 63,161 47,423 41.2% 5.5x 4.7x 4.2x 12.1x 9.7x 8.4x Compagnie Financière Richemont SA 38,869 37,160 17.9% 3.3x 2.7x 2.3x 16.6x 12.6x 11.4x TD Ameritrade Holding Corporation 31,352 29,719 28.9% 8.2x 5.6x 5.0x 17.1x 13.1x 9.1x E*TRADE Financial Corporation 11,499 10,575 8.7% 4.2x 3.6x 3.5x 8.5x 6.8x 6.4x MarketAxess Holdings Inc. 8,074 7,827 10.6% 19.7x 18.0x 16.1x 35.5x 33.2x 29.0x Matsui Securities Co., Ltd. 2,751 3,766 8.7% 15.6x 12.8x 13.2x 25.3x n.a. n.a. IFL Holdings Limited 1,933 6,720 22.7% 9.7x 12.4x 6.4x 14.1x 15.2x 9.2x Plus500 Ltd. 2,293 1,781 10.7% 4.1x 2.5x 3.3x 6.9x 3.7x 5.1x Monex Group, Inc. 928 2,060 15.3% 5.2x 4.2x 3.9x 21.9x 10.9x n.a. CMC Markets Plc 449 440 1.8% 2.2x 1.7x 2.1x 6.2x 4.8x 8.7x VIEL & Cie 408 544 -0.2% 0.6x 0.6x 0.6x 6.0x 6.4x 6.3x GAIN Capital Holdings, Inc. 287 64 7.6% 0.2x 0.2x 0.2x 1.8x 0.7x 0.8x GAIN Capital Holdings, Inc. 287 64 7.6% 0.2x 0.2x 0.2x 1.8x 0.7x 0.8x GAIN Capital Holdings, Inc. 287 64 7.6% 0.2x 0.2x 0.2x 1.8x 0.7x 0.8x The Dun & Schall Schall Schall Schall Schall Holdings, Inc. 287 64 7.6% 0.2x 0.2x 0.2x 1.8x 0.7x 0.8x	IHS Markit Ltd.	20,631	26,196	11.3%	7.3x	6.5x	5.9x	23.2x	19.8x	15.0x
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The Dun & Bradstreet Corporation 5,374 6,492 1.5% 3.7x 3.7x 3.6x 14.2x 12.7x 12.0x Forrester Research, Inc. 820 676 5.3% 2.0x 1.9x 1.8x 19.3x 17.5x 12.9x Digital Brokerage 161,716 148,016 16.7% 7.1x 6.2x 5.5x 15.5x 11.7x 10.4x The Charles Schwab Corporation 63,161 47,423 14.2% 5.5x 4.7x 4.2x 12.1x 9.7x 8.4x Compagnie Financière Richemont SA 38,869 37,160 17.9% 3.3x 2.7x 2.3x 16.6x 12.6x 11.4x TD Ameritrade Holding Corporation 31,352 29,719 28.9% 8.2x 5.6x 5.0x 17.1x 13.1x 9.1x E*TRADE Financial Corporation 11,499 10,575 8.7% 4.2x 3.6x 3.5x 8.5x 6.4x MarketAxess Holdings Inc. 8,074 7,827 10.6% 19.7x 18.0x 16.	FactSet Research Systems Inc.	8,316	8,693	8.5%	7.1x	6.4x	6.1x	21.0x	19.5x	17.4x
Forrester Research, Inc. 820 676 5.3% 2.0x 1.9x 1.8x 19.3x 17.5x 12.9x Digital Brokerage 161,716 148,016 16.7% 7.1x 6.2x 5.5x 15.5x 11.7x 10.4x The Charles Schwab Corporation 63,161 47,423 14.2% 5.5x 4.7x 4.2x 12.1x 9.7x 8.4x Compagnie Financière Richemont SA 38,869 37,160 17.9% 3.3x 2.7x 2.3x 16.6x 12.6x 11.4x TD Ameritrade Holding Corporation 31,352 29,719 28.9% 8.2x 5.6x 5.0x 17.1x 13.1x 9.1x E*TRADE Financial Corporation 11,499 10.575 8.7% 4.2x 3.6x 3.5x 8.5x 6.8x 6.4x MarketAxess Holdings Inc. 8,074 7,827 10.6% 19.7x 18.0x 16.1x 35.5x 33.2x 29.0x Matsui Securities Co., Ltd. 2,751 3,766 8.7% 15.6x 12.8x<		5,296	5,020	n.a.	5.5x	6.4x	n.m.	21.4x	n.a.	n.a.
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<u>Total</u> 529,932 543,815 10.5% 5.0x 4.4x 4.2x 14.7x 12.6x 11.7x										
	lotal	529,932	543,815	10.5%	5.0x	4.4x	4.2x	14.7x	12.6x	<u>11.7x</u>

Source: Capital IQ 22



VII. The Future of Digital Wealth Management

Following a set of interviews with sector professionals such as Geoffroy de Schrevel, CEO of Gambit Financial Solutions and Georges Hübner, professor of finance at HEC Liège, a set of upcoming trends of WealthTech have been identified.

THE WEALTHTECH MODEL 1.0 NEEDS A RESET

The first generation of WealthTech companies has known a strong growth since their inception basing themselves on a simple equation:

- Higher volumes: WealthTech start-ups have opened the wealth management universe to new, less wealthy customers that are driven by value for money
- Lowered costs: technology has been used to lower the cost of customer acquisition. WealthTech 1.0 companies have only replicated wealth management services at a cheaper price

The shift from savings accounts to financial market investments coupled with the overall adoption of WealthTech services based on the customer's financial and investment literacy will prove to be two of the sector's biggest challenges in the coming years.

WealthTech 1.0 companies have made an incomplete transformation of the market for multiple reasons:

- Reallocation of bank savings to financial markets is not fully addressed in Continental Europe
- WealthTech companies have focused on user experience and marketing to drive their client base
- WealthTech companies have yet to promote true technology differentiation and innovation pertaining to architecture, asset management, data analysis and security
- There is still a lack of technological transparency

Traditional banks have lacked the IT know-how to drive innovation internally, with IT resources often stuck with legacy systems. WealthTech companies that have not been able to reach significant critical size within their segment have been acquired by larger banks. Those banks have shifted towards a scenario of active consolidation and massification. To monetize their investment they have chosen to drive prices up and to scale up the acquired FinTech offering through their extended client base.

WEALTHTECH 2.0'S CALL FOR MAJOR INNOVATION

Consolidating banks will commoditize WealthTech products addressed to the mass market and drive margins down. The future of WealthTech will not rely on democratization as mass services. WealthTech 2.0 needs to get out of this conundrum by offering true digital personal advice to wealthy clients instead of mere automated portfolio profiling. This transformation implies to:

- Promote the technology rather than relying on UX and marketing to onboard new clients
- Inject technology in the KYC process: WealthTech companies have to leverage artificial intelligence and deep-learning to sharpen
 profiling algorithms. In order to do so, the new generation will have to apply behavioral finance to assess the client's risk profile and its
 financial goals
- Develop truly tailored financial portfolios: there is tremendous room for improvement on portfolio personalization. Current roboadvisors have slightly diverse portfolios and allocate customers to one of them according to their profiles. WealthTech 2.0 should assign a tailored portfolio to each individual client, raising the stakes in terms of technology and cost
- Bring WealthTech closer to asset management: apply active management to WealthTech to generate higher returns. The turning
 point for the WealthTech sector would be to open asset management methods (like quantitative management) to private individuals
- Digitize the investment decision: the WealthTech 1.0 has digitized the allocation process, while the 2.0 will help digitize the investment decision-making process

Contrary to first-generation companies, second-generation companies will require investors to invest more on the long-term while allocating a higher amount of money than before.



VIII. Company Profiles of WealthTech Innovators





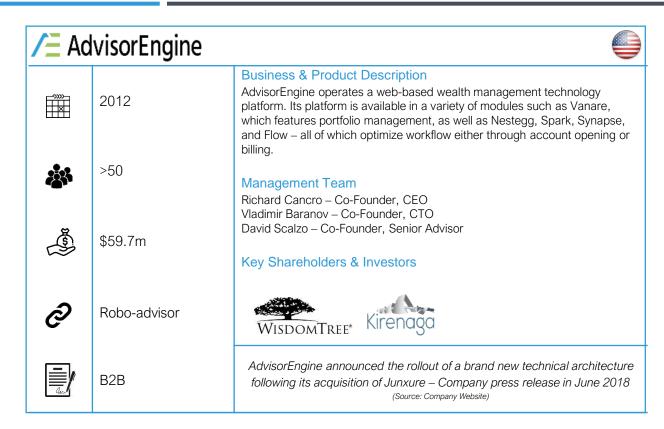
























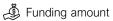
B₂B

aixigo **Business & Product Description** aixigo offers digital wealth management software for institutional clients in the 1999 financial industry. The company provides complex functionalities for mass operations and extremely low single-request latency, capable of processing millions of portfolios at an exceptional speed. aixigo's solution enables the financial industry to address the retail market with a profitable business >95 Management Team Erich Borsch - Co-Founder n.a. Christian Friedrich - Co-Founder Tobias Haustein - Co-Founder Key Shareholders & Investors Portfolio Management management











"aixigo is the future of digital retail wealth management. Change in regulations, margin pressure and shift in customer behaviour urge banks to adapt their portfolio

management systems. The aixigo high-performance PMS is the solution." – Erich Borsch, Co-Founder in November 2018





Bestinvest Business & Product Description Provider of investment advisory services. The company provides financial 1986 planning and investment and wealth management services, as well as online investor services for ISAs, self-invested personal pensions, funds and shares. Management Team John Spiers - Founder n.a. \$58.0m Key Shareholders & Investors PERMIRA T Wealth management services Every six months Bestinvest publishes its list of "dog" funds that have B₂C slumped down the performance tables to encourage people to monitor their investments more closely.















Comply **Business & Product Description** Provider of data and surveillance platform designed to help fight financial 2014 - X crime by revolutionizing the way companies can protect themselves from criminals, terrorists and money launderers. The company's data and surveillance platform is a secure, reliable and efficient risk compliance services, enabling businesses to work more efficiently and effectively. >50 Management Team Charles Delingpole – CEO Chris Leow - Data Team Lead \$8.2m Key Shareholders & Investors Balderton. Financial software capital "It could be because they're on sanction lists, it could be because they're on Interpol's watch list, they could be politically exposed, and we monitor the B₂B media as well. We've got machine learning to read the news." Charles Delingpole, CEO - April 2016













digit **Business & Product Description** Digit operates a mobile application that analyzes users' budgets through 2013 spending, income, and upcoming bills to estimate how much money one can afford to save. Management Team >30 Ethan Bloch - CEO Michael Murray - CTO Hermant Taneja – Director Key Shareholders & Investors \$36.3m **Ribbit** Capital GENERAL (C) CATALYST Personal finance In the three years since its launch, micro-savings app Digit has helped its B₂C customers set aside over \$1 billion for emergency funds, travel, and more. -Ainsley Harris in February 2018 (Source: Fast Company)













EDGELAB **Business & Product Description** EdgeLab is a platform which provides intelligence to the financial sector. 2013 Thanks to the disruptive risk engine, wealth managers are able to entirely rethink the advisory process putting clients, their objectives and investment profiles truly at the center. The product is a search bar using big data and high dimensional analysis to find across over 1 million instruments those 30 which best match the user desired exposure and characteristic. Management Team Mathieu Cambou - Co-Founder n.a. Cédric Ullmo - Co-Founder JeanJacques Schraemli **Key Shareholders & Investors** Investment n.a. intelligence EdgeLab won "MarketPlace Provider of the Year" at the Partner and and Customer B₂B awards ceremony at the Temenos Community Forum in Dublin (Source: Company website)



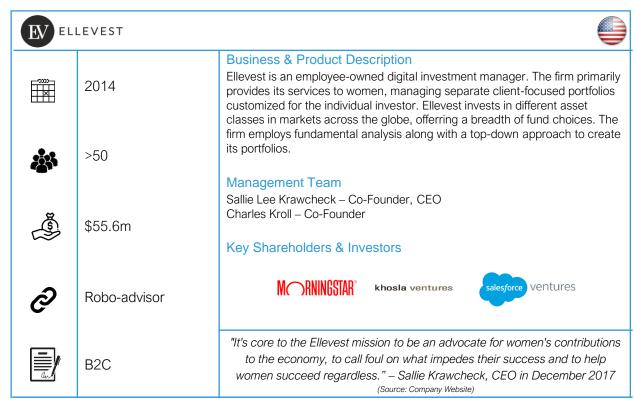


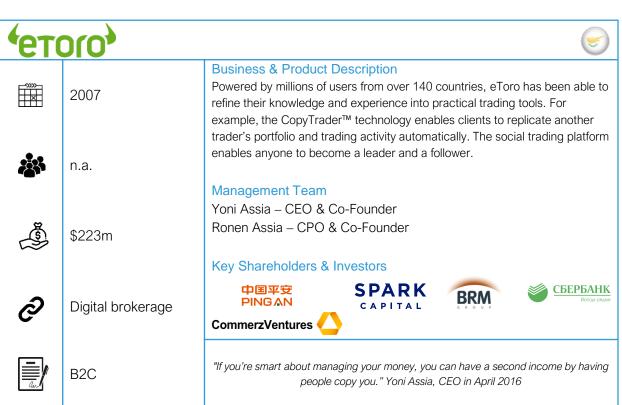






















EXPERSOFT Business & Product Description Expersoft Systems provides software solutions and services for financial 1993 institutions. Expersoft's PM1 product provides its customers and users with constantly expanding depth of capabilities to analyze, strategize, implement, and control investments in one modular, integrated, and intuitive environment. >200 Management Team Urs-Peter Oehen - Chairman & Founder n.a. Philipp Bisang - CEO Dominic Greenwood - COO Group Peter Neurath - CTO George Prapopoulos – COO Danijel Fischer - CDO Portfolio management **Key Shareholders & Investors** Privately held Expersoft awarded Best Front Office Solution at the Wealth Briefing European Awards B₂B 2018 (Source: Company website)









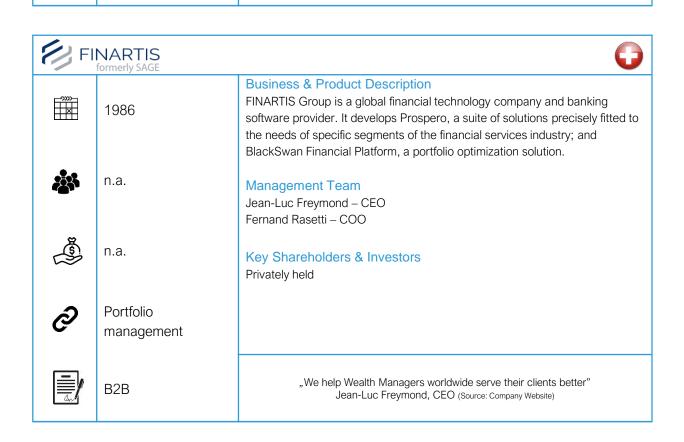




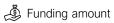


B₂B

Finantix **Business & Product Description** Finantix provides client-centric solutions for retail banks, wealth managers, 1994 financial advisers, and insurers worldwide. Its solutions enable financial institutions to analyze client behaviors, monitor events and design rule-based processes. The company also offers multichannel solutions in the areas of wealth management, such as investment advice and financial planning. n.a. Management Team Alessando Tonchia – Director & Co-Founder n.a. Key Shareholders & Investors Portfolio **ODYSSEY** management









Finantix expands into Asia by acquiring Asian FinTech start-up smartfolios (Source:

BusinessWire)





Fincite **Business & Product Description** Fincite is a FinTech software provider, a modular software that provides 20 financial institutions with integrated financial advice and portfolio management. All parts of the value chain of digital asset management by holistic wealth aggregation, financial analytics, quantitative research and automated digital advice are addressed. The software empowers a higher 60 quality of advice and portfolio management by linking the investment intelligence of the bank to the customers individual situation. By that, fincite helps delivering a superior customer experience. Management Team n.a. Ralf R. Heim - Co-CEO Friedhelm A. Schmitt - Co-CEO Stefan Post - CTO Key Shareholders & Investors Robo-advisor n.a. "We see three distinguishing features that allow banks to differentiate themselves from the market: Customer experience through the right mix of simplicity and intelligence in B₂B customer dialogue. The quality of the advice itself and how well it is tailored to the customer, his situation and his goals. Lastly, the bank's own investment strategy and



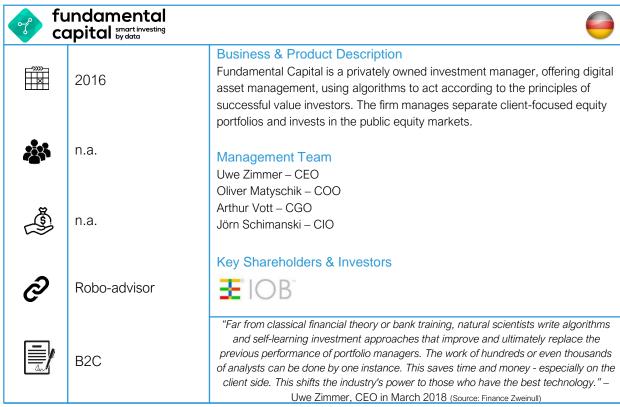


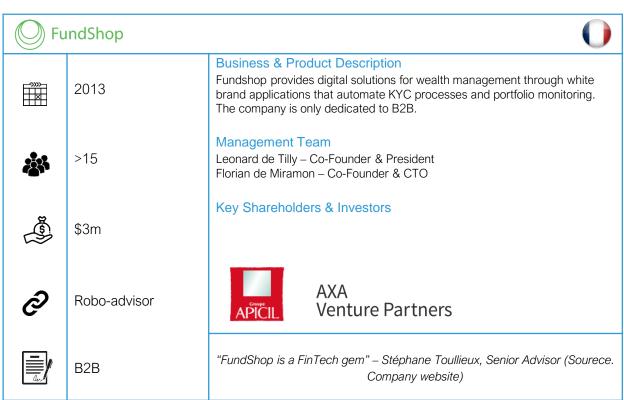






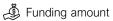








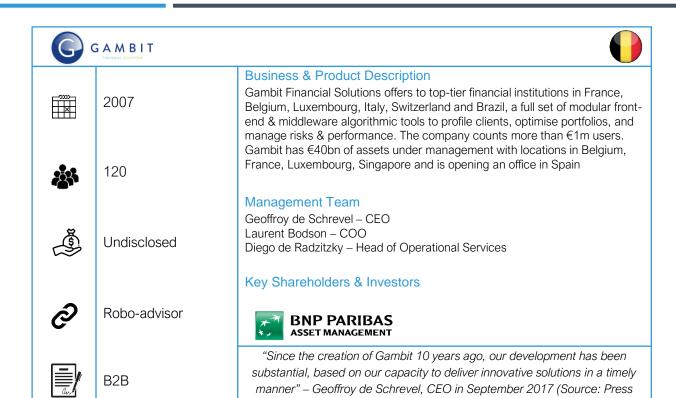


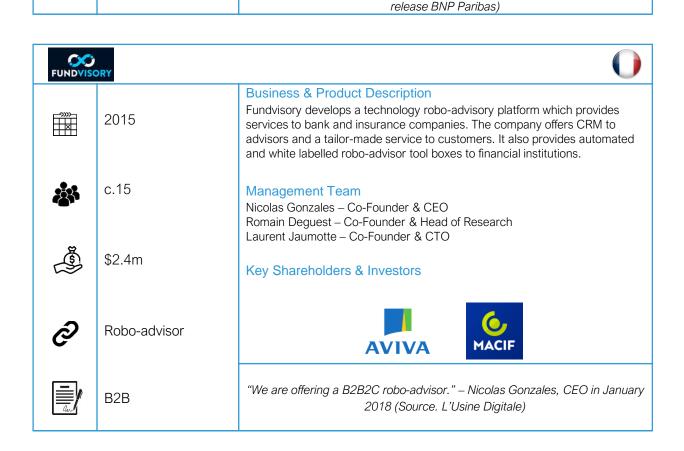






















ij ginmon





2015

Business & Product Description

Ginmon is a digital and borderless wealth management platform to empower our customers to live a financially independent life by making professional, international wealth management accessible.



n.a.

n.a.

Management Team

Lars Reiner - CEO Ulrich Bauer - CAO

Raphael Vosen - COO

Stephan M. Schröter - CDO

Dmitriy Fot - CTO

Key Shareholders & Investors



Robo-advisor



"Digital Wealth Management will expand significantly within the next 2-3 years. We are already seeing very large growth figures and new players entering the market. You can see a rethinking in the population. We are moving away from the traditional branch banks and are systematically moving towards a fully digital financial system." - Lars Reiner, CEO (Source: TME)

B₂C

HappyMoney.





2009

Business & Product Description

Happy Money is a financial services company that designs products to help people pay off the amounts due on their credit card. They offer a financial program, Payoff, that provides loans to customers for paying credit card debt, a mobile applications such as Joy and Happy Money Score that incorporate a person's psychology to offer financial recommendations and help build savings.



>100

Management Team

Scott Saunders - Founder, CEO Mydung Tran – CFO

Key Shareholders & Investors



\$92.1m









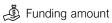
Personal finance

B₂C

Happy Money has deployed over \$250m of credit union capital to help people pay off their credit cards. – Company press release in July 2018 (Source: Business













investcloud





2010



>200



\$78.7m



Financial services software



B₂B

Business & Product Description

InvestCloud is a design and software engineering company, specializing in SaaS and BPaaS solutions for the financial industry. The company offers multiple products such as client portal services, portfolio management services, a financial application that digitalizes client interaction, and an application that automates trading and workflows.

Management Team

John Wise – Co-Founder, CEO, Chairman Colin Close - Co-Founder, President, Director Julian Bowden - Co-Founder, CTO

Key Shareholders & Investors

JPMorgan CHASE & CO.





InvestCloud has acquired London-based rplan for \$20 million as it plans to extend its direct-to-consumer (D2C) offering for asset managers. - Antony Peyton in June 2018 (Source: BankingTech.com)

INVESTEDGE





2



>75



\$5.3m



Portfolio management



B₂B

Business & Product Description

InvestEdge provides wealth management solutions for investment firms. The company offers web-based software for managing, measuring, and reporting on high net worth and ultra-high net worth portfolios. It provides portfolio management, performance measurement, client reporting, compliance monitoring, simple rebalancing, data aggregation, and client portal solutions.

Management Team

Bob Stewart - Co-Founder, CEO Brian Burns - Co-Founder, President Roland Collins - Co-Founder, CTO

Key Shareholders & Investors



InvestEdge announced its technology now powers the management and measurement of more than \$1 trillion in assets under management across its more than 100 clients. - Company press release in April 2018 (Source: Company Website)













investifu





2015

Business & Product Description

Investify is a digital investment wealth manager for retail customers and consumers, providing highly individualized investment products. The company also engages in active risk management and quarterly reporting.



n.a.

Management Team

Sebastian Hasenack – Managing Director Christian Kratz – Managing Director





n.a.









B₂C

Robo-advisor

"I think we have already set trends - especially the trend towards the individualization of digital asset management, which I believe will become increasingly prevalent in the coming years. The hybrid model of branch and digital platform, which we have exemplarily promoted with Haspa, will also play an increasingly important role in the future." - Sebastian Hasenack, Managing Director (Source: Roboadvisor-Portal)

MAPITALL





2008

Business & Product Description

Kaptall operates an online investing platform that allows investors to research companies, build portfolios, and share ideas. It also offers KapitallWire, an allcontent site that offers market insight with a focus on investing ideas, lively commentary, and time analysis.



>10

Management Team

Barry Mione - CEO David Neubert - Co-Founder Gaspard de Dreuzy – Co-Founder Serge Kreiker - Co-Founder



\$20.9m

Key Shareholders & Investors



Portfolio management





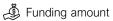


B₂C

"Profit margins and return on investments are not the only barometers of a company's performance that people care about these days. Leadership, a company's vision and whether it is socially conscious are all almost as important." – Barry Mione, CEO in June 2018 (Source: TheStreet)



















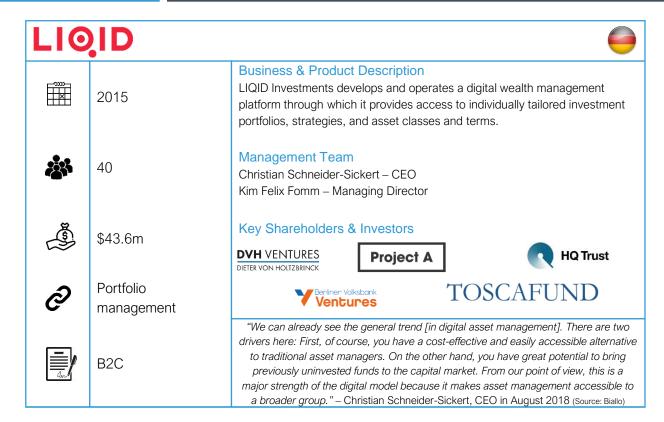


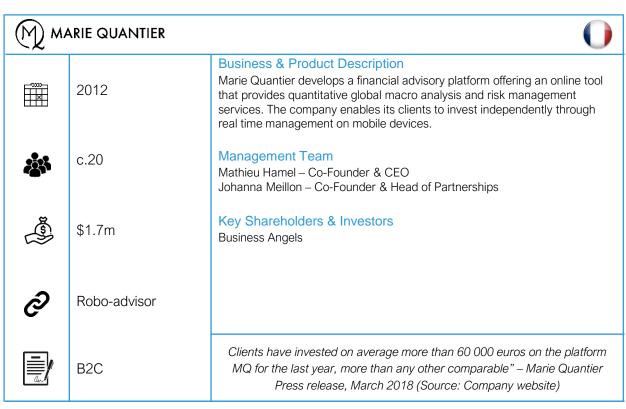






















MASUCCESION.fr





2014

Business & Product Description
MaSuccession provides a platform to

MaSuccession provides a platform to estimate and optimize succession fees. The company also addresses insurance and portfolio management companies.



<10

Management Team

Olivier Noël – Co-Founder & CEO Arthur Jacquemin – Co-Founder

Key Shareholders & Investors



n.a.



Portfolio management



B₂C



"This new investment emphasizes the success of MaSucession.fr and underlines the quality of this project led by Olivier Noël and Arthur Jacquemin" - Ronan Le Moal, CEO (Credit Mutuel Arkéa) in November 2017 (Source: Cfnews)



moneyfarm





2011

Business & Product Description

MoneyFarm provides online financial advisory and execution services in Italy. Its platform allows users to create portfolios, discover investor profiles, build and manage a portfolio of index funds, obtain investment portfolios, execute the trades with brokers, track investments, and receive advices.



n.a.

Management Team

Paolo Galvani – Co-Founder & Chairman Giovanni Daprà – Co-Founder & CEO



\$74.2m

Key Shareholders & Investors







Robo-advisor



ENDEAVOR





B₂C

Moneyfarm acquired Vaamo in November 2018 to offer robo-advisory services in whole Europe. (Source: Handelsblatt)









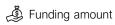




NeoXam **Business & Product Description** NeoXam develops and markets buy-side and sell-side financial software for 2014 | X the middle and back office. Its client base includes asset managers, institutional investors, banks and corporates, asset servicers and asset management boutiques. Management Team 450 Serge Delpla - CEO Florian Fabre - COO Manuel Michel - CFO Gilles Kammerer - CTO \$200m valuation Didier Roubinet - Chief Strategy Officer Key Shareholders & Investors Financial services **CATHAYCAPITAL bpifrance** software NeoXam will accelerate its international growth, in particular in Asia and the B₂B US – Press release in May 2018 (Source: Cfnews)



















2000



200



n.a.



Portfolio management



B₂B

Business & Product Description

New Access develops software solutions for the private banking industry. The company offers an integrated platform for relationship management, an electronic document management system for administration of documents, a report-generating platform, and an account opening workflow solution that enables bank employees to fill out automatically generated customer legal documents.

Management Team

Alexis Sikorsky – Founder Vitus Rotzer - CEO

Key Shareholders & Investors



Business & Product Description

New Access opens up offices in Miami to target the US market and additionally to strengthen its presence in Latin America & the Caribbeans. (Source: Company website)

NextCapital Group offers a software solution that enables institutions to

provide personalized planning and managed accounts, as well as integrated account aggregation, analytics, planning, and portfolio servces. The company also offers a complimentary service that provides investment planning, a subscription-based advanced investment analytics service, and a fee-based

nextcapital.





2013



>100



\$52.1m



Robo-advisor

Management Team

John Patters – Co-Founder, Chairman, CEO Dirk Quayle – Co-Founder, President, Director Robert Foregger – Co-Founder, Executive Vice-President, Director Jon Hagen – Co-Founder, CTO

Key Shareholders & Investors

investment management service.







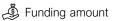


B2B/ B2C

"Retirement and asset management firms are selecting NextCapital as a technology partner because of its ability to provide a truly differentiated digital advice solution"—Alois Pirker, research director of Aite Group, in January 2018 (Source: PR Newswire)





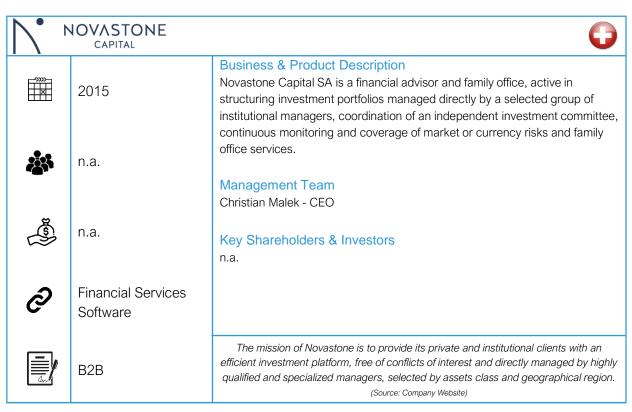


Sector



















nutmeg





2011

Business & Product Description Nutmeg provides digital wealth management services designed to provide easy access to investing. The company's digital wealth management services

investment decision making and transactions.



>204

Management Team

Nick Hungerford - Founder





\$99.2m









Robo-advisor











B₂C

"It is simply wrong that anyone should be in the dark about what they are paying for their investments, or face excessive penalty fees to transfer an investment to a different provider." Nutmeg CEO Martin Stead in July 2018

offer low-cost automated online advice, enabling its clients to make faster





Business & Product Description

2016

Utilizing state-of-the-art, machine learning algorithms, Pagaya serves the institutional markets with a focus on independent, alternative asset management. Being highly data driven and fragmented in nature, scaling up investments in alternative credit, including consumer credit, demands a new approach-one in which traditional tools & investment strategies become increasingly irrelevant.



n.a.

\$94.3m

Management Team

Gal Krubiner - CEO and Co-Founder Yahav Yulzari - VP Sales and Co-Founder Avital Pardo - CTO and Co-Founder



Robo-advisor

Key Shareholders & Investors













B₂B

Pagaya received \$14m in funding in August 2018 and will be used for Pagaya's scalable, tech-driven approach to asset management and will further support the development of ist proprietary algorithm to enter new data-rich asset classes (Source: Globes.co.il)













PERSONAL CAPITAL®





2009



>500



\$215.3m

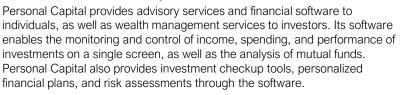


Robo-advisor



B2B/ B2C

Business & Product Description



Management Team

Jay Shah – CEO Mike Armsby – CFO Mark Goines – Chief Strategy Officer, Vice Chairman

Key Shareholders & Investors



BLACKROCK



"Earlier this year our assets under management hit 7.5 billion dollars and that number continues to grow," – Jay Shah, CEO in September 2018 (Source: MarketWatch)

PROFIDATA





1985

Business & Product Description

Profidata specialises in the development and marketing of sophisticated investment management solutions and services. As well as product

investment management solutions and services. As well as product development, the one-stop service includes consulting and implementation. The clients are located in the major financial centres of Europe and Asia.



>50

Management Team

Christian Widmer – President & Group CEO Roger Wildi – Acting Group CEO Christian Montangero – Finance & Controlling



n.a.

Key Shareholders & Investors

Privately held



Portfolio management

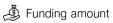


B2B

Profitdata Group acquired abraxas in May 2016 to complement the existing product and service portfolio. Abraxas is an innovative and internationally active provider of software applications for banks and financial service providers. (Source: Company Website)





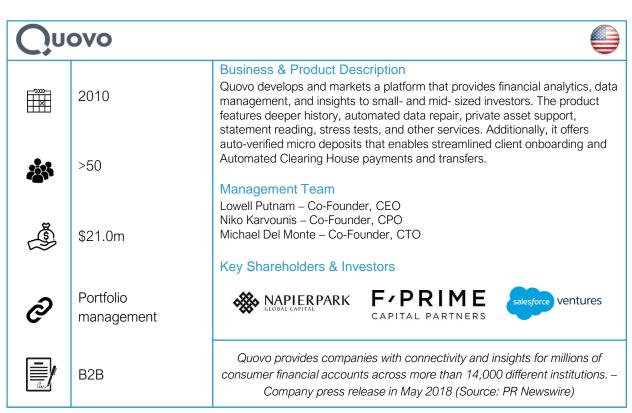




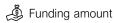
















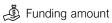


RAISE **PARTNER Business & Product Description** Raise Partner offers quantitative tools to investment managers, wealth 2001 managers and online investment platforms to actively manage the risk of their portfolios. Raise Partner distributes a set plug & play APIs for data consolidation, portfolio analysis and optimization. Management Team < 20 Sophie Echenim - CEO Véronique Piolle - COO Key Shareholders & Investors n.a. Undisclosed Portfolio management Raised Partners "has been awarded by numerous patents and international publications" Sophie Echenim, CEO in December 2015 (Source: Finance B₂B Innovation)

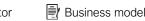






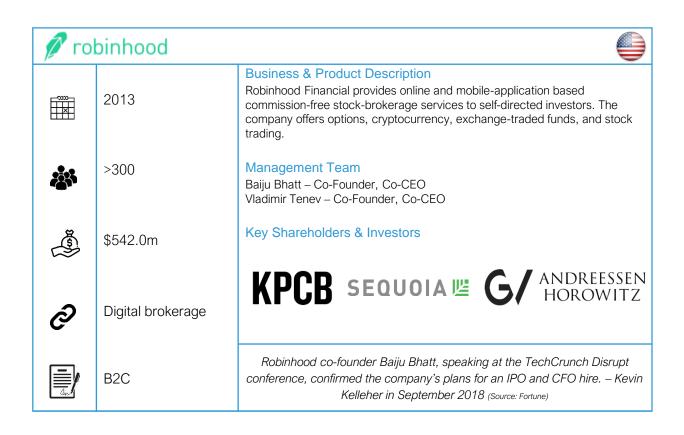




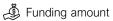




₩ RI	SBEE eastion Privée	
	2015	Business & Product Description Grisbee Gestion Privée develops and operates a cloud-based platform for wealth management dedicated to private individuals. The company's product facilitates the diagnosis of assets, keeps track of inheritance such as real estate, alternate, current and savings accounts. The company offers to
	15	optimize its clients' financial situation in accordance to their objectives. Management Team Maxime Camus – Co-Founder & CEO
DE STATE OF THE ST	\$3.5m	Emmanuel Collineau de Meezemaker – Co-Founder & Sales director Adrien Dauchez – Co-Founder & CTO Frédéric Billot de Lochner – Co-Founder & CMO
		Key Shareholders & Investors
Ø	Portfolio management	Crédit Mutuel ARKEA
	B2C	"We wanted to offer an alternative to the traditional personal wealth management excel sheet" – Maxime Camus, CEO in October 2016 (Source: Cfnews)















Sarwa





2016

The first hybrid investment platform for young professionals in the region. Sarwa's platform makes expert investing easy, secure and affordable, by combining proven investment strategies with technology that drives down

Business & Product Description

costs.



n.a.



\$1.3m



Robo-advisor



Key Shareholders & Investors

Management Team
Mark Chahwan – CEO
Nadine Mezher – CMO
Jad Sayegh – CTO









B2C

When Chahwan and Sayegh "came here and they realized that there is a massive gap in the market in the region. There is really no services that provide investment that's accessible for everyone and that's affordable for everyone." – Nadine Mezher,

Consultant in March 2018 (Source: Zawya)







2014

Business & Product Description
Savedo GmbH operates an online m

Savedo GmbH operates an online marketplace that allows users in Germany to invest in fixed-term deposits within the EU. The platform supports the involved banks by handling their customer services and providing standardized account documents. Savedo enables its clients to easily invest across Europe without having to travel to the respective European country.



n.a.

\$7.6m

Management Team



Christian Tiessen – Co-Founder

Steffen Wachenfeld – Co-Founder & Managing Director Ricardo Mendez – Head of Engineering

Key Shareholders & Investors



Digital brokerage



DEPOSIT SOLUTIONS

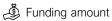


B₂C

Deposit Solutions announced to in November 2018 to expand its operations into the USA. The international expansion is driven by the business surpassing EUR 10bn in transmitted deposits through ist direct B2C brands ZINSPILOT and Savedo (Source: Finextra)















2014



n.a.



\$46.8m



Portfolio management



B2C/B2B

Business & Product Description

Scalable Capital uses proprietary software to offer portfolios which are dynamically optimized with a primary focus on risk management. State-of-the-art technology enables the company to offer a first class investment service, previously only available to large institutional investors, to individuals at a fraction of the cost.

Management Team

Erik Podzuweit – Founder and Managing Director Florian Prucker – Founder and Managing Director

Key Shareholders & Investors





BLACKROCK

"We believe that in a few years it will be perfectly normal for an online asset manager to be used to invest money. The times in which asset management was an elitist product for the upper one thousandths of the company are soon over." – Erik Podzuweit,

Managing Director in 2018 (Source: Brokervergleich)

SigFig is an online investment advisory company, providing fee-based

portfolio management services to individuals. The company offers managed accounts that provide a portfolio of low-cost and commission-free exchange-traded funds. It also offers an online investment tracking service that lets users view their investment accounts in one place and offer investment







2007



>150



\$99.0m



Robo-advisor



suggestions.

Mike Sha – Co-Founder, CEO David Yoo – CPO

Key Shareholders & Investors

Business & Product Description











B2B/B2C

In November, Wells Fargo launched a robo-advice service developed with technology from SigFig, while Citizens Bank partnered with the start-up in late 2016 to help manage portfolios of middle-income people saving for retirement. – Anna Irrera in June 2018 (Source: Reuters)



















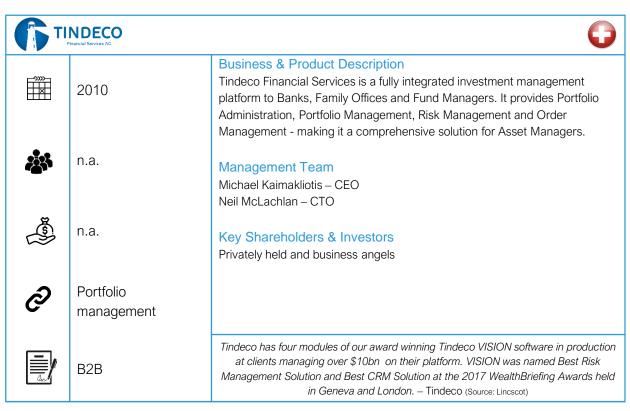








SWISSC Mastering Comple	•	•
		Business & Product Description
9333 X	2005	swissQuant Group develops and implements Intelligent Technologies predominantly in Private Banking, Clearing, Asset Management & insurance. More than 250 clients across the globe, including several Fortune 500
**	>90	companies, benefit on a daily basis from the use of our software systems and analysis tools. The company programs highly scalable software for the systematic analysis of large amounts of complex data. The insights are based on high resolution time-series analyses, state-of-the-art classification methods and user-friendly visualization.
	n.a.	Management Team Dr. Lorenz M. Schumann – Chairman Thomas Gross – Member Dr. Basil Heeb – Member
ລ	Portfolio	Patrick Z'Brun - Member
	management	Key Shareholders & Investors Privately held
and the state of t	B2B	Even though industry actors overall agree with the principle of the directive, the regulatory pressure can be a burden on relationship managers, who need to invest more and more time in compliance. "It can take up to four hours for a relationship manager to prepare the right client advice to discuss during meetings," says Matthias Wyss, Head of Product Development of swissQuant. (Source: Company Website)















true potential.... simple, effective, unique.





2007



>534



n.a.



Wealth management platform



B2C/B2B

Business & Product Description

Operator of an integrated investment and wealth management technology platform. The company offers wealth management, administration, compliance and advisory services in the UK by using technology to deliver financial services, it empowers financial advisers and their clients to take control of their futures.

Management Team

David Harrison - Founder, CEO Chris Leyland - Investment Director, Partner

Key Shareholders & Investors



Last October, Sky News reported True Potential had appointed Perella Weinberg Partners to manage a bidding process from interested investors.

VISUALVEST





2015

Business & Product Description

VisualVest is a state of the art Online Investment Portal offering tailor-made investment portfolios to Consumers. These portfolios consist of actively managed funds or passive, exchange trading funds (ETFs) depending on the customers preference.



21

Management Team

Dr. Olaf Zeitnitz - Managing Director Markus Knetsch – Managing Director Max Holzer - Managing Director



n.a.

Key Shareholders & Investors

n.a.



Robo-advisor

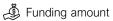


B₂C

"The robo-advisor market is still in its infancy in Germany. We assume that the market will continue to grow in terms of customers and investment volume in the coming years, but that the number of robo-advisors will not necessarily increase, but may even fall. New suppliers will be launched, others will withdraw from the market; M&As certainly cannot be ruled out. In the coming years, we expect strong growth in client numbers and fixed assets." - Olaf Zeitnitz, Managing Director in October 2017 (Source: Roboadvisor









WEALTH DYNAMIX 2012







>80



n.a.



Financial services software



B₂B

Business & Product Description

WealthDynamix (DWX) offers client lifecycle management and business intelligence solutions based on the Microsoft Dynamics platform which can be delivered either via the cloud or within existing in-house infrastructure. WDX solutions are purpose built to address the industry challenges around conduct risk and increased demand for levels of relationship management, client service, mobile and digital communication.

Management Team

Gary Linieres - CEO Brent Randall - COO Niklas Lindberg - CRO

Key Shareholders & Investors

Privately held

"Wealth Dynamix's global success is testament to the importance of client relationship management and business intelligence for firms seeking to stay at the forefront of today's fast-changing financial services landscape. We look forward to building on the success of North America and Europe in this exciting and lucrative market." - Gary Linieres, CEO in November 2018 (Source: Company Website)



wealthfront





2011

Wealthfront is a privately owned investment manager, providing automated financial planning and banking services. Wealthfront invests in public equity, fixed income markets, mutual funds, and exchange traded funds. It also invests in real estate and natural resources.



>150

Management Team

Andrew Rachleff - Chairman, CEO Daniel Caroll - Founder, CSO Andy Johns - President

Business & Product Description



\$204.7m

Key Shareholders & Investors



Robo-advisor

TIGERGLOBAL

DRAGONEER

greylockpartners.



B2B/B2C

"Clients who engage monthly with Wealthfront's automated advice engine, Path, save almost 400% more than the national savings rate." – Company press release in October 2018 (Source: PR Newswire)



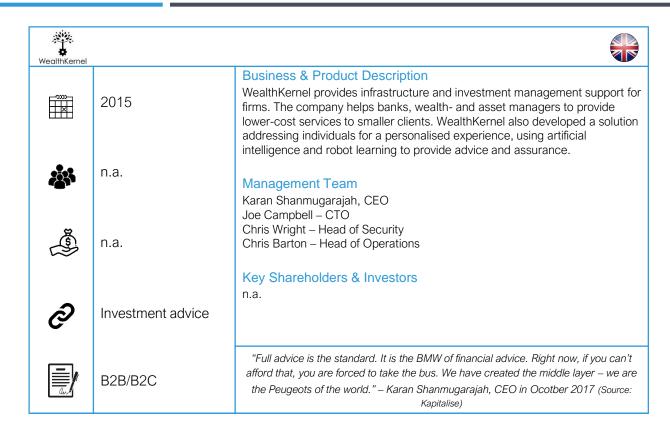




Sector



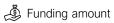


















WERTHSTEIN





2015



n.a.



\$1.8m



Robo-advisor



B2C

Business & Product Description

Werthstein offers a discretionary portfolio management solution to its clients which can be customized by each investor. The company is convinced that this way of investing will help people to improve their long-term average performance and maintain an interest in their investment portfolio – an important condition to keeping an eye on investments.

Management Team

Bastian Lossen – CEO Felix Röscheisen – COO/CFO

Key Shareholders & Investors

finanzenverlag

"Customers set the direction in which they want to invest, without having to worry about the details of implementation. This is because Werthstein takes care of investment decisions within the framework of customer specifications and daily portfolio monitoring. All this at a cost that is only half the cost of an average branch bank for an investment of 75,000 euros. And the advantage grows with the rising investment sum."

— Bastian Lossen, CEO in January 2018 (Source: Finanzen.net)

MHITEBOX





2014

Business & Product Description

Whitebox offers its customers with asset and investment management services. It develops and implements investment strategies, portfolio management, and risk monitoring and management services for its customers.



n.a.

Management Team

Salome Preiswerk – Founder and Managing Director Dr. Birte Rothkopf – Founder and Managing Director



n.a.

Key Shareholders & Investors

n.a.



Robo-advisor

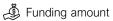


B₂C

"A trend towards the democratisation of asset management is already discernible. Services that were previously reserved for very wealthy and institutional clients are now available to all. But there will also be a trend towards cooperation between banks and new providers." – Salome Preiswerk, Managing Director in 2018 (Source: Brokervergleich)



















2012

Business & Product Description

wikifolio owns and operates a social trading portal on which users can benefit from advice by trading professional. With wikifolio.com, investors can easily invest in the best suited trading strategies by ordering wikifolio-certificates via a brokerage account of their choice.



35

Management Team

Andreas Kern – Founder and CEO Rupertus Rothenhäuser – Chief Sales Officer



\$9.3m

Key Shareholders & Investors



Social investing













B₂C

"In my opinion, this "more" competition will lead to much more acceptance, because despite all the enthusiasm - I think we are only just getting started on a massive scale. A lot is yet to happen and I hope that we can be at the forefront." – Andreas Kern, CEO in May 2018 (Source: Trend.at)







2015

Business & Product Description

Yomoni develops an online Robo-advisor platform for private individuals and companies. It helps individuals and companies to allocate their financial assets to profitable investments according to their risk profiles.



c.40

Management Team

Laurent d'Ornano – Co-Founder & CEO Laurent Girard – Co-Founder & COO

Mourtaza Asad-Syed - Co-Founder & Head of Investments



\$10m

Key Shareholders & Investors



Robo-advisor







B2B/B2C

"Our ambition remains the same: to help French people to manage their savings" – Sebastien d'Ornano, Executive President in November 2017 (Source: Company website)







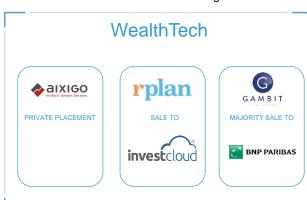






IX. About Drake Star Partners

Drake Star Partners is active in all FinTech segments

















SELECTED DRAKE STAR PARTNER DEAL CASE STUDIES



Drake Star Partners advised Gambit on its sale to BNP Paribas Asset Management

- Gambit is a into their clients' core IT systems, thus making Gambit's solutions an incorporated & pivotal piece of the clients' wealth management operations
- Successfully sold Gambit to BNP Paribas, a French international banking group, as BNP acquired Gambit's management and staff to help support BNP internal digitization and roboadvisory services
- Belgian FinTech company. The firm's robo-advisory products are deeply integrated



Drake Star Partners advised Simplesurance on its series C capital raise

- Simplesurance provides simple access to insurance through its smart insurance services platform
- This is the largest funding round since simplesurance's inception back in 2012 and will go
 towards the company's expansion into new markets, with Japan as a possible first target.
 Funding will also support the launch of new services such as Cyber Protection, later this year



Drake Star Partners advised RTX Routetrader on its growth capital round

- RTX provides a highly innovative financial exchange, enabling fast payment terms and global trading between small and large telecoms operators
- With the funding round, investor BOOST&Co will enable the company to expand the product range and their destinations
- Drake Star Partners' extensive network and experience in the Fintech and Telco industries led to a successful growth funding round



Drake Star Partners advises FinTech firm rplan on its sale to Investcloud

- rplan is the UK's leading provider of client engagement technology to support bespoke investment propositions for web and mobile
- The acquisition will see rplan's capabilities made available to InvestCloud's global client base of more than 700 firms, including some of the largest financial institutions in North America.



Drake Star Partners advised aixigo on its capital raise

- aixigo is the only solution that is capable of processing millions of portfolios at an exceptional speed, making the asset and wealth management available for the retail banking market
- aixigo raised a significant amount of investment to strengthen the market position in the DACH region, increase marketing activities globally, expand into neighbouring countries and extend the software platform and product modules



I. M&A Transactions (I/IV)

Date	Target	HQ	Buyer	EV E\ (USDm) Re	// EV evenuesEE	
Jan-19	Mariana Systems	US	Black Mountain Systems	-	-	-
Jan-19	Tokenestate	СН	Swissroc Capital Holding	-	-	-
Jan-19	Quovo	US	Plaid	200.0	-	-
Jan-19	WealthTrust	US	Alpha Fintech	-	-	-
Jan-19	Arbitrade	CH	SION Trading	-	-	-
Dec-18	Oslo Børs VPS	NO	Euronext	670.1	5.7x	12.4x
Dec-18	OMFinancial	NZ	First NZ Capital Securities	-	-	-
Dec-18	Guangzhou Securities	CN	CITIC Securities	-	-	-
Dec-18	CoinVantage	US	The Picks & Shovels Co.	-	-	-
Dec-18	BinckBank	FR	Saxo Bank	481.0	-	
Dec-18	Harvest	FR	Five Arrows Managers	118.8	3.8x	20.6x
Dec-18	WealthBar	CA	CI Financial Corp	-	-	-
Dec-18	m-FINANCE	HK	DTXS Silk Road Investment Holdings	6.2	-	-
Dec-18	eRoom Securities Quandl	US	Dash Financial Technologies	-	-	-
Dec-18 Dec-18		CA	Nasdaq	20.0	-	-
Nov-18	AdvisoryWorld Amplify	US FR	LPL Financial Holdings SupportFi SAS	28.0		-
Nov-18	Vaamo	GE		-	-	-
Oct-18	One Tap BUY	CN	Moneyfarm Tokai Tokyo Financial Holdings	9	<u> </u>	-
Oct-18	FNZ (share of FNZ)	NZ	Caisse de Depot et Placement du Quebec, Generation	2,169	-	<u>-</u>
OCI-16	FINZ (SHATE OF FINZ)	INZ	Investment Management	2,109	-	-
Oct-18	100M	FR	NeoXam	-	-	-
Sep-18	Altiore Advisors	IN	IIFL Wealth Management	1	-	-
Sep-18	Miles Software	IN	Ebix	28	-	-
Aug-18	BestX	UK	State Street Corporation	-	-	-
Aug-18	SmartWealth	UK	SigFig	-	-	-
Jul-18	Eze Software	US	SS&C Technologies	1,426	5.2x	13.8x
Jul-18	Charles River Systems	US	State Street (NYS: STT)	2,561	8.4x	17.4x
Jul-18	Gulf Wealth Management Limited	UK	Falcon Capital Group Limited	-	-	-
Jul-18	Moola	UK	JLT Employee Benefits	-	-	-
Jul-18	DailyWorth.com	US	Jean Chatzky	-	-	-
Jul-18	Sentronex	UK	EACS Limited	-	-	-
Jul-18	European Bank for Financial Services	GE	FNZ, General Atlantic, H.I.G. Capital	174	-	-
Jul-18	Taliance Group	CA	Altus Group Limited	23	4.3x	-
Jun-18	Venovate	US	Coinbase	-	-	-
Jun-18	Intelliflo	UK	Invesco (NYS: IVZ)	22	1.03x	-
Jun-18	Digital Wealth	US	Coinbase	-	-	-
Jun-18	Self Trade Bank	US	Warburg Pincus	-	-	-
Jun-18	rplan	UK	InvestCloud	20	-	-
May-18	RobustWealth	US	Principal Financial Group	-	-	-
May-18	Ipreo Holdings	US	Markit North America	1,855		
May-18	Q-fin GmbH	GE	FIMAS GmbH	1	0.6x	2.9x
May-18	Shift Savings	US	SafetyNet	-	-	-
May-18	FundAssist	US	Broadridge Financial Solutions	47	-	-
May-18	Agreement Express	CA	Frontier Capital	63	-	-
May-18	Quantvex	US	Hatton Consulting	-	-	-
May-18	Evervest	FI	Taaleri Wealth Management	-	-	
May-18	Firm58	US	ESW Capital	4 000	-	
Apr-18	Du Xiaoman Financial	CN	ABC International Holdings Limited; Taikang Insurance Group; The Carlyle Group; TPG Capital	1,900	-	_
Apr-18	Clarity Money	US	Goldman Sachs Investment Management	-	-	-
Apr-18	Cipher Browser	US	Coinbase	-	-	
Apr-18	FTJ FundChoice	US	NorthStar Financial Services Group	-	-	-
Mar-18	Fundamental Capital GmbH	GE	IOB IIc	-	-	-
Mar-18	OneVue Holdings (ASX: OVH)	AU	Zurich AU	-	-	-
Mar-18	Smartfolios	SG	Finantix	-	-	-
Mar-18	SwissComply AG	CH	Evolute Group AG	-	-	-
Mar-18	Kensho	US	S&P Global	550	27.5x	-
Feb-18	OpenLink Financial	IR	Ion Investment Group	-	-	-



II. M&A Transactions (II/IV)

Date	Target	HQ	Buyer		V/ EV evenuesEB	
Feb-18	Finect	ES	Bolsas y Mercados Españoles	-	-	-
Jan-18	Finametrix Sociedad Limtada	ES	Allfunds Bank S.A.	-	-	-
Jan-18	Lombard Risk Management plc	NL	Vermeg	70	1.6x	-
Jan-18	DeltaBahn	US	Wicresoft	-	-	-
Jan-18	FolioDynamix	US	Envestnet	184	-	-
Dec-17	Sowa Labs	GE	Boerse Stuttgar Digital Ventures	-	-	
Nov-17	Atria Wealth Solutions	US	Lee Equity Partners	-	-	-
Nov-17	PS plus Portfolio Software + Consulting GmbH	GE	Erste Wealthmanagement-Software Beteiligungs GmbH	-	-	-
Nov-17	Qumram	CH	Dynatrace	-	-	-
Nov-17	Silexx Financial Systems	US	Cboe Global Markets	9	-	-
Nov-17	HoldingsInsight	US	Dynamo Software	-	-	-
Oct-17	Modestspark	US	SS&C Technologies	-	-	-
Oct-17	Wholesale Investor	AU	BMY Group	1	-	-
Oct-17	Trigger Finance	US	Circle Internet Financial	-	-	_
Oct-17	RoboAdvisors.com	UK	Investoo Group	-	-	_
Oct-17	Wealthify	UK	Aviva	-	-	-
Oct-17	Timber Hill	US	Two Sigma Investments	-	-	
Sep-17	Folio Dynamics	US	Envestnet	205	6.0x	_
Sep-17	Gambit	BE	BNPP Asset Management	-	-	
Sep-17	D2SI	FR	Devoteam	-	-	
Sep-17	eVestment	US	Nasdag	705	-	
Aug-17	Savedo	GE	Deposit Solutions	-	_	
Jun-17	SimCorp Italiana S.p.A.	IT	SimCorp A/S (CPSE:SIM)	40	2.1x	
Jun-17	TD Direct Investing	UK	Augmentum Capital, Interactive Investor, J.C. Flowers & Co. MMC Ventures		-	-
May-17	YouDevise Limited	UK	Mergermarket Limited	-	_	
May-17	AltX	US	Addepar	_	_	
May-17	Madrone Inc.	US	Solovis, LLC	-		
May-17	Supernal Software, LLC	US	Ncontracts LLC	-		
Apr-17	Kredible	US	AdvisorEngine	-		
Apr-17	Appendium	UK	Delta Capita		_	
Apr-17	Financial Navigator	US	Asset Vantage Systems	<u>-</u>	_	
Apr-17	Kredible Technologies	US	AdvisorEngine			
Apr-17	TradeWarrior	US	Oranj	_	_	
Apr-17	WealthTrust (acquired)	US	High Tower Advisors	75		
Apr-17	Wealth Generators	US	Investview (OTC: INVU)	-	-	
Mar-17	AdviceIQ	US	Financial Media Exchange	-	-	
Mar-17	Pritle	NL	BinckBank (AMS: BINCK)	14		
Mar-17	Evolute Group AG	CH	Evolute; SwissComply	14		
Mar-17	Integrated Financial Group	AE	Abu Dhabi Finance	<u>-</u>		
Mar-17	<u> </u>		Sogo Trade		-	
Feb-17	MarketRiders PrairieSmarts	US US	Covisum			
	Spark Finance	US	StockTwits		-	
Jan-17		UK	InvestCloud	22		
Jan-17	Babel Systems					
Dec-16	Financial Synergy	AU	IRESS (ASX: IRE)	72 -	3.30x	9.3x
Dec-16	Vertical Management Systems	US	NewSpring Capital Drooms		-	
Dec-16	DealMarket	CH		=	-	-
Dec-16	National Retirement Services	US	Aquiline Capital Partners, Ascensus, Genstar Capital	-	-	
Nov-16	Sistemas ESCO	AR	ROFEX	-	-	-
Nov-16	Summit Advisors Solutions	US	Folio Dynamics	-	-	-
Nov-16	BrightScope	US	Genstar Capital, Strategic Insight (Asset Management)	-	-	
Oct-16	AssetMark	US	Huatai Securities (SHG: 601688)	800	-	
Oct-16	Salentica	US	SS&C Technologies (NAS: SSNC)	-	-	-
Oct-16	Wheelhouse Analytics	US	Envestnet	-	-	
Sep-16	InvestCloud, Inc.	US	JPMorgan Chase & Co. (NYSE:JPM)	-	-	-
Sep-16	PriceMetrix	CA	McKinsey & Company	-	-	-
Aug-16	Financial Guard	US	Legg Mason Global Asset Management (NYS: LM)	-	-	-
Aug-16	Cofunds	UK	Aegon (AMS: AGN)	188	1.66x	-



II. M&A Transactions (III/IV)

Date	Target	HQ	Buyer		V/ EV evenuesEB	
Aug-16	Towry	UK	Tilney Bestlnvest	807	-	
Jun-16	MyVest	US	TIAA	-	-	
Jun-16	aboutLife	US	NerdWallet	-	-	
Jun-16	Kestra Financial	US	Stone Point Capital	-	-	
Jun-16	Elian	CH	Intertrust Group	633	-	
Jun-16	Integratec Services	US	MRI Software	-	-	
Jun-16		US	Ally Financial (NYS: ALLY)	301	-	
May-16	Portfolio Asset Management	US	RealPage, Inc. (NasdaqGS:RP)	6	-	
May-16		US	Citadel Securities	-	-	
Apr-16		US	Opus Bank (NAS: OPB)	106	-	
Apr-16	IntStream Oy	FI	Enegia Group Oy	-	-	
Apr-16		US	Simply Wall St	-	-	
Mar-16	• • • • • • • • • • • • • • • • • • • •	US	Goldman Sachs Investment Management	_	_	
Feb-16		US	Aquiline Capital Partners(Jeffrey Greenberg), BISAM	-	-	
Feb-16	FlexScore	US	Technologies (William Haney), Picardie Investissement Grail Partners, Sageview Capital (Scott Stuart), United Capital	-	-	
Feb-16	The Mutual Fund Store	US	Financial Advisers(Matthew Brinker) Financial Engines(Lawrence Raffone)	580		
Feb-16		US	Fi-Tek	300		
Jan-16		US	CBOE Holding		<u> </u>	
Jan-16		US	Choe Global Markets	19	<u> </u>	
Jan-16	•	UK	StatPro Group (LON: SOC)	16	3.2x	
Jan-16	•	US GE	StatPro Group (LON: SOG)	17	2.23x	
Jan-16			Consileon Business Consultancy		-	
Jan-16		US	Invesco (NYS: IVZ)	=	-	
Jan-16	ELAXY Financial Software & Solutions		Crealogix Holding (SWX: CLXN)	-	-	
Dec-15		US	Aquiline Capital Partners, Genstar Capital	1,057	3.57x	
Dec-15		CA	Wealthsimple	-	-	
Dec-15		CA	Wealthsimple	-	-	
Nov-15		UK	IG Group (LON: IGG)	-	-	
Nov-15		US	Envestnet (NYS: ENV)	706	6.35x	
Nov-15		US	Broadridge Output Solutions, Inc.	-	-	
Nov-15		US	Morningstar (NAS: MORN)	-	-	
Oct-15	•	UK	IRESS (ASX: IRE)	24	-	
Oct-15	· · · · · · · · · · · · · · · · · · ·	US	Credit Risk Management, L.L.C.	-	-	
Oct-15		US	Morningstar, Inc. (NasdaqGS:MORN)	-	-	
Sep-15		US	Prosper Marketplace	30	-	na
Sep-15		US	FactSet Research Systems Inc. (NYSE:FDS)	273	-	
Sep-15		US	HPD Software	-	-	
Sep-15		UK	Aberdeen Asset Management	-	-	
Sep-15		UK	Aberdeen Asset Management	22	-	
Sep-15		NO	Bambora, Nordic Capital	-	-	
Sep-15	, ,	UK	Lyceum Capital, Invex Capital	-	-	
Sep-15		US	BlackRock (NYS: BLK)	156	50.67x	
Aug-15		US	TradeKing	-	-	
Aug-15	Wealth Management Systems	US	DST Systems	66	-	
Aug-15	Thomson Financial	UK	ObjectWay	-	-	
Aug-15	Yodlee	US	Envestnet	660	6.4x	
Jul-15	Banqsoft	DK	KMD	-	-	
Jul-15		US	SS&C Technologies (NAS: SSNC)	2,820	6.70x	26.1
Jun-15	Covestor	US	Interactive Brokers (NAS: IBKR)	-	-	
Jun-15	Finalysys	UK	Microgen (LON: MCGN)	0	-	
Jun-15		AU	IRESS	2	-	
May-15		US	John Hancock Financial Services	-	-	
May-15	Linedata Services S.A. (ENXTPA:LIN)		Amanaat SAS	15	1.3x	
May-15	·	US	Genstar Capital, Northleaf Capital Partners	-	-	
May-15		US	American Independence Financial Services	-	-	
May-15		US	Envestnet (NYS: ENV)	31	-	
Apr-15		UK	Man Group (LON: EMG)	16		





II. M&A Transactions (IV/IV)

Date	Target	HQ	Buyer	EV (USDm)	EV/ EV RevenuesEE	
Apr-15	NSR Invest	US	Lend Academy Investments	-	-	-
Mar-15	LearnVest	US	Northwestern Mutual Future Ventures	265	; -	-
Mar-15	eMoney Advisor	US	Fidelity Investments	265	; -	-
Mar-15	Multifonds	LU	Temenos (SWX: TEMN)	279	-	-
Feb-15	Upside Financial	US	Envestnet (NYS: ENV)	3	-	-
Jan-15	eFront (EPA)	FR	Bridgepoint Advisers	495	10.80x	18.8x
Jan-15	ClearMomentum	US	Ipreo, The Blackstone Group (NYS: BX), The Goldman Sachs Group (NYS: GS)	-	-	-





III. Private Placements (I/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Jan-19	StockViva	HK	Alibaba	n.a.
Jan-19	ETFLogic	US	ETFS Capital	4.0
Jan-19	Essentia Analytics	UK	Calculus Capital	3.3
Jan-19	Groww	IN	Kauffman Fellows Program; Propel Venture Partners; Sequoia Capital; Y Combinator	6.2
Jan-19	Nutmeg	UK	Convoy Global Holdings; Goldman Sachs	58.3
Jan-19	Goin	ES	Anthemis Group	2.5
Jan-19	Catch	US	Y Combinator, KPCB, Urban Innovation Fund	n.a.
Jan-19	Wealth Technologies	US	Broadhaven Capital Partners	n.a.
Jan-19	Bridge Financial Technology	US	FINTOP Capital: Mission Operators Group; UMB Capital Corporation	n.a.
Jan-19	Even Responsible Finance	US	Private	n.a.
Jan-19	CoinSuper	HK	Fin Venture Capital: Sky9 Capital; United Authors Publishing; Westworld	n.a.
Dec-18	RightCapital	US	Cemellia Venture Capital	3.7
Dec-18	Spot	FR	Kima Ventures	1.2
Dec-18	Albert	US	American Express Ventures; Portag3 Ventures; QED Investors	15.0
Dec-18	Goldex Technologies	UK	Prepaid Financial Services	1.3
Dec-18	Plaid	US	Andreessen Horowitz; Coatue Management; Goldman Sachs Asset Management; Index Ventures; KPCB; New Enterprise Associates; Norwest Venture Partners; Spark Capital Partners	250.0
Dec-18	LearnApp	IN	Rainmatter	0.3
Dec-18	ChoiceTrade	US	Crowdfunding	0.8
Dec-18	Kindur Services	US	Anthemis Group; Clocktower Technology Ventures; Point72 Ventures	9.0
Dec-18	Coinbase	US	Private	50.0
Nov-18	Giskard Datatech	IN	India Infoline Limited	n.a.
Nov-18	Integral Development Corp.	US	Morgan Stanley	15.0
Nov-18	Cashrich	IN	Private	1.0
Nov-18	d1g1t	CA	Extreme Venture Partners; Portag3 Ventures; Purpose Financial	6.8
Nov-18	Rubicoin	IR	The Motley Fool	3.4
Nov-18	Mintos	LA	Skillion Ventures	5.7
Nov-18	InvestSuite	BE	Participatiemaatschappij Vlaanderen	2.3
Nov-18	WealthNavi	JP	Global Brain; Mitsubishi UFJ Capital; Mizuho Capital; SBI Investment; SMBC Venture Capital; Sony Innovation Fund; SPARX Group	22.0
Nov-18	280 CapMarkets	US	Private	12.0
Nov-18	Fronteer Solutions	NO	FinStart Nordic	4.2
Nov-18	Sharegain	UK	Blumberg Capital; Maverick Ventures; Rhodium; Target Global	5.0
Nov-18	iCapital Network	US	Credit Suisse; JPMP Capital; Morgan Stanley; Blackstone Group; The Carlyle Group; UBS	n.a.
Oct-18	Titan	US	BoxGroup ; Liquid 2 Ventures ; Maverick Ventures ; Y Combinator Management	2.5
Oct-18	Backstop Solutions Group	US	Vistara Capital Partners	20.0
Oct-18	Rainist	SK	Atinum Investment; BASS Investment; Company K Partners; Dunamu & Partners; KB Investment; Murex Partners	12.3
Oct-18	Finzoom Investment Advisors	IN	Steadview Capital Management	30.0
Oct-18	Coinbase	US	Private	300.0
Oct-18	One Tap BUY	JP	Mizuho Securities; Softbank; Tokai Tokyo Financial Holdings	17.4
Oct-18	Zichain	CH	Bitblock Group; Fiat Capital	1.2
Oct-18	Clearmatics	UK	Route 66 Venutes, TNF Capital, XTX Ventures	12
Oct-18	Cube	IN	500 Startups; Beenext; Asuka Holdings	2
Oct-18	Kingscrowd	US	Private	0
Oct-18	FRST	US	Premier Asset Management; Oak Ridge Investments; Akuna Capital; Vestigo Ventures; CMT Digital Holdings	3
Oct-18	Hentsu	UK	Credit Suisse Asset Management; Raptor Holdco GP; Falconwood Corporation	
Oct-18	Coinka	CN	Sequoia Capital; Shanghai Wuyuefeng High Technology Venture Capital	-
Oct-18	FundGuard	US	Blumberg Capital, LionBird	4
Oct-18	Rapunzl Investments	US	Private	1
Oct-18	Parilux Investment Technology	US	eBest Investment Securities	3
Oct-18	WMD Capital	DE	Private	





III. Private Placements (II/XII)

Oct-18 Eris Clearing US TD Ameritrade; Susquehanna International Group; ED & F M. Markets; XR Trading; C2 Capital Management; CMT Digital H Oct-18 Oct-18 Lumina Technologies UK Dragonfly Capital Partners; Bain Capital Ventures; Craft Vent Sep-18 LightPoint Financial Technology UK Dragonfly Capital Partners; Bain Capital Ventures; Craft Vent Sep-18 LightPoint Financial Technology US The Citco Group; Ares Management Sep-18 Canopy UK Dymon Asia Ventures; Enterprise Singapore Sep-18 Canopy UK Dymon Asia Ventures; Enterprise Singapore Sep-18 Canopy UK Dymon Asia Ventures; Enterprise Singapore Sep-18 Priwate UK Combard Odier Sep-18 Primary Bid UK Lombard Odier Sep-18 Primary Bid UK Lombard Odier Sep-18 Butterwire UK Crowd-Funding Sep-18 Butterwire UK Crowd-Funding Sep-18 Butterwire UK Crowd-Funding Sep-18 LiQID GE Dieter von Holtzbrinck Ventures; Project A Ventures; Soo Soo Startups	### Addings #### ###############################
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Jul-18 PPmoney CN Guoneng Jinhui, Huiyi Deging and Bairong Mingtai Capital. S	3
Guotai Daohe Technology, Zhuhai Huiyin Deqing Private Equ	
Jul-18 Client 4 Life Group US Private	3
Jul-18 Shenzhen Manqian Network Technology CN Fujian Fusheng Group Co., Ltd.; Guangzhou Youngy Manage Investment Group Co., Ltd.; Investment Arm; Sundiro Holding	
Jul-18 Bambu (Financial Software) SG Octava Foundation, Mamoru Taniya and Franklin Templeton	Investments 3
Jul-18 JD Finance NL Bank Of CN Group Investment Limited; CN Securities Co.; CI Investment Group Company Limited; CITIC Capital Partners	CC 1,946
Jul-18 Tiger Brokers US Oceapine Capital; Orient Hontai Capital	80
Jul-18 Fundvisory SAS FR Mutuelle Assurance des Commerçants et Industriels de FR et Salariés de l'Industrie et; AVIVA FR SA	t des Cadres 2
Jul-18 Hubox SG JRR Crypto	-
Jul-18 dabbl UK Private	1
Jul-18 Snowball Finance CN Ant Financial	120
Jul-18 Hedg US M2O, Plug and Play Tech Center and WTI	1
Jul-18 Worthy Financial US Crowd-Funding	0
Jun-18 AdvicePay US Private	2
Jun-18 Munnypot US Livingbridge	-
Jun-18 Sqrrl Fintech Private IN Equanimity Investments	1
Jun-18 Conio US Banca Finanziaria Internazionale S.P.A.; Boost Heroes; David S.P.A.; Italian Angels for Growth; Poste Italiane SpA	
Jun-18 Grove US Defy; SV Angel; Wiklevoss Capital, Upside Partnership; Tusk Next Play Capital	
Jun-18 Quantifeed HK Cathay Financial Holdings, Legg Mason Global Asset Manage	d Capital 3 Ventures; 8



II. Private Placements (III/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Jun-18	Plutusx	US	Private	(030111)
Jun-18	SmartAsset	US	Citi Venture Capital; Contour Venture Partners; Focus Financial Partners; IA Capital Group; Javelin Venture Partners; TTV Capital	28
Jun-18	Trumid	US	DB1 Ventures; SG Exchange Limited	53
Jun-18	Nextmarkets	GE	FinLab, Peter Thiel, Falk Strascheg, Axel Springer Media, Cryptology Asset Group, Alan Howard	7
Jun-18	Quovo	US	Portag3 Ventures(Adam Felesky), Salesforce Ventures	20
Jun-18	SigFig	US	Bain Capital Ventures, DCM Ventures, Eaton Vance (NYS: EV), General Atlantic, New York Life Enterprises, Nyca Partners, UBS (SWX: UBSG), Union Square Ventures	50
Jun-18	Nextmarkets	GE	FinLab, Peter Thiel, Falk Strascheg, Axel Springer Media, Cryptology Asset Group, Alan Howard	7
Jun-18	LendChain	CN	GX Chain, Bitpei, PreAngel, Fission Capital, Bianjie Capital and Liebian Capital	-
Jun-18	CGTZ	US	Geo-Jade Petroleum	358
Jun-18	Safened	UK	Finch Capital and Rudolf Booker	16
May-18	Prakma Innovation	ES	Encomenda Smart Capital, S.G.E.I.C., S.A.; K Fund	1
May-18	OroWealth	IN	Powerhouse Ventures, Chamath Palihapitiya, Money Forward, Social Capital, B Dash Ventures, GSF IN, Anand Chandrasekaran, Dinesh Agarwal and M&S Partners	2
May-18	MoneyFarm	UK	Allianz Global Investors, Cabot Square Capital, Endeavor Catalyst, United Ventures, and Fondazione di Sardegna	I 53
May-18	ForwardLane	US	Thomson Reuters and SixThirty	6
May-18	Hashgard	CN	Gobi Partners; Spark Capital Partners, LLC; IFM Independent Fund Management AG; Milestone Capital Management Limited; Chi Capital Holdings Ltd.; SG MediShares Foundation Ltd.; Fang Fund Partners; etc.	-
May-18	Welnvest	SG	Schroders	12
May-18	Shangbee.com	CN	n.a.	-
May-18	Solovis	US	FINTOP Capital	8
May-18	OldDriver	CN	Upbit	2
May-18	Cred	US	Science	-
May-18	FINTUAL	CL	Y Combinator Management	-
May-18	Robinhood	US	ARRIVE, CapitalG, DST Global, Greenoaks Capital Partners, ICONIQ Capital, Kleiner Perkins, New Enterprise Associates, Sequoia Capital, Techstars, Thrive Capital	353
May-18	Acorns	US	BlackRock (NYS: BLK)	49
May-18	Viewpath, Inc.	US	Westriver Group	2
May-18	Stratifi	US	Anthemis Group, Wolverine Trading, HOF Capital (New York), Matthew Wyndowe, Luke Powell, Michael Curcio, Matt Hougan, Cboe Global Markets and AngelList	7
May-18	quantvex llc	US	Hatton Consulting, Inc.	-
May-18	TradingView	US	Insight Venture Partners; Jump Capital; DRW Ventures	37
May-18	Qienna Wealth Management	US	ALAYA Venture Capital ; Incutex S.A. ; ItalBank International, Inc. ; La Turbina Ventures ; Parallel18	1
May-18	Imagine Software Inc.	US	NewStar Financial, Inc.; Varagon Capital Partners; Mountaingate Capital Management, L.P.	-
Apr-18	Chalice Wealth Partners	US	Uinta Investment Partners	5
Apr-18	Powerwrap	AU	Alium Capital Management	27
Apr-18	CrossQuantum Forme sociale SAS	FR	Swiss Life FR	12
Apr-18	Bridge Financial Technology	US	n.a.	1
Apr-18	Magnetis Consultoria De Investimentos	BR	Monashees Gestão de Investimentos Ltda. ; Vostok Emerging Finance Ltd	5
Apr-18	Soley	GE	Bayerische Beteiligungsgesellschaft, Vito Ventures, High-Tech Gruenderfonds	
Apr-18	CloudMargin	US	LVC; Illuminate Financial; IHS Markit	10
Apr-18	BoVaMetrics	US	n.a.	-
	WicoPonyon			
Apr-18 Apr-18	WiseBanyan 8 Securities	US HK	SoGal Ventures Nomura Asset Management	6 25





III. Private Placements (IV/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Apr-18	DriveWealth	US	Point72 Ventures, Raptor Group, Route 66 Ventures, SBI Holdings (TKS: 8473)	20
Apr-18	EOE Foundation	US	Lion Financial Group	10
Mar-18	D3 Technology Inc.	US	n.a.	-
Mar-18	Shenzhen Jinfuzi Network Technology	CN	Chunxiao Capital; KINGKEY GROUP CO.; Sequoia Capital CN	16
Mar-18	Gradfin	US	Private	1
Mar-18	StreetOne	US	n.a.	
Mar-18	StashAway	SG	Francis Rozario	5
Mar-18	Zichain	CH	n.a.	1
Mar-18	AIZEN	SK	SuperCharger FinTech Accelerator	-
Feb-18	Robinhood	US	ARRIVE	-
Mar-18	EToro	UK	CN Minsheng Financial Holding Corporation (HKG: 00245), Korea Investment Partners, SBI Holdings (TKS: 8473), World wide investment Banking	93
Mar-18	Vérios	BR	e.Bricks Ventures, Startup Farm	5
Mar-18	Trizic	US	Betsy Cohen, Broadhaven Capital Partners, Commerce Ventures, Fidelity National Information Services (NYS: FIS), Freestyle Capital, PEAK6 Investments, Sorenson Ventures	9
Feb-18	Wealthsimple	CA	Power Corporation of CA (TSE: POW)	48
Feb-18	Freeman Capital (trading)	US	NC Idea	-
Feb-18	Stash	US	Breyer Capital, Coatue Management, Entrée Capital, Goodwater Capital, Union Square Ventures, Valar Ventures	35
Feb-18	WealthNavi Inc.	JP	Mizuho Capital Co. Ltd.; SPARX Group Co., Ltd (JASDAQ:8739); Global Brain Co., Ltd.; SMBC Venture Capital Co., Ltd.; DBJ Capital Co., Ltd.; Sony Innovation Fund	38
Feb-18	Ohpen	NL	Amerborgh International	31
Feb-18	Evolute Group	CH	Swiss Finance Startups	-
Jan-18	Trill Financial, Inc.	US	n.a.	-
Jan-18	ForUSII	US	Foundation Capital, Ribbit Capital	20
Jan-18	Folio	JP	DCM Ventures, Dentsu Ventures, Draper Nexus, LINE (NYS: LN), Mitsui & Co. (TKS: 8031), SMBC Venture Capital, The Goldman Sachs Group (NYS: GS)	59
Jan-18	Acorns	US	The Rise Fund	-
Jan-18	Tangram Solutions	US	n.a.	-
Jan-18	YieldStreet	US	Greycroft and Raine Ventures	113
Jan-18	Goji Investments	UK	Anthemis Group, AXA Venture Partners	-
Jan-18	Mylo	CA	Ferst Capital Partners, Desjardins Capital de Risque, Anges Québec Capital, Robert Raiche	2
Jan-18	RobustWealth	US	PEAK6 Investments	2
Jan-18	Wealthfront	US	Benchmark Capital, DAG Ventures, Greylock Partners, Index Ventures (UK), Ribbit Capital, Social Capital, Spark Capital, Tiger Global Management	71
Jan-18	AdvisorEngine	US	WisdomTree Investments (NAS: WETF)	28
Jan-18	Freeman Capital (trading)	US	Ascend2020	-
Dec-17	NextCapital	US	Kensington Capital Holdings, Manulife Financial (TSE: MFC), Oak HC/FT, Route 66 Ventures, Transamerica Ventures, VCET Capital	29
Dec-17	Responsive AI	CA	Plug and Play Tech Center, Takbo Group Holdings, YVRDXB, Erik Westblom, and Angivest	-
Dec-17	Raisin	GE	PayPal	-
Dec-17	Canopy	SG	Credit Suisse (SWX: CSGN), LionRock Capital	3
Dec-17	Lion Rock FinTech Limited	HK	Beijing Jiufu Era Investment Consultant Co., Ltd.; Yirendai Ltd. (NYSE:YRD); Marathon Venture Partners	6
Dec-17	MarketsFlow	UK	n.a.	1
Dec-17	Aspiration Partners	US	Allen & Company; Alpha Edison; Capricorn Investment Group; Omidyar Network; REYL & Cie	47
Dec-17	iCapital Network	US	BlackRock (NYS: BLK), BNY Mellon (NYS: BK), Credit Suisse (SWX: CSGN), Morgan Stanley Investment Management, Pivot Investment Partners, UBS Financial Services	12





III. Private Placements (V/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Dec-17	Avalog	СН	Warburg Pincus	(000111)
Nov-17	Fintual	CL	Village Capital	1
Nov-17	Tipigo	IS	Clear Future	1
Nov-17	Waizer AB	SE	n.a.	1
Nov-17	Alkanza	US	ALLVP	2
Oct-17	Wahed Invest	US	Cue Ball, BECO Capital, Laurent Nordin, Khalid Al Jassim, John Elkhair and Nasr-Eddine Benaissa	7
Oct-17	G Treasury SS, LLC	US	Mainsail Partners	41
Oct-17	True Link	US	EXOR Seeds, Initialized Capital Management, QED Investors, Radicle Impact	9
Oct-17	MioTech	HK	Horizon Ventures, Zhenfund	7
Oct-17	Vestmark	US	n.a.	11
Oct-17	Vestwell	US	F-Prime Capital Partners, Primary Venture Partners, FinTech Collective and Commerce Ventures	8
Sep-17	Stockpile	US	ARBOR VENTURES; Eight Roads Ventures Europe; Hanna Ventures; Mayfield Fund; Wang Ventures	30
Sep-17	Finnomena	TH	Krungsri Finnovate, Benchachinda Holdings and 500 TukTuks	3
Sep-17	Gambit	US	BNP Asset Management	_
Sep-17	Mutuo	MX	Village Capital	-
Aug-17	Bambu (Financial Software)	SG	Franklin Templeton Investments, Wavemaker Partners and Robby Hilkowitz	-
Aug-17	Welnvest	SG	FinTech Hive	-
Aug-17	Sarwa	AE	FinTech Hive	-
Aug-17	Hedg	US	Plug and Play Tech Center	-
Aug-17	Personal Capital	US	Correlation Ventures, IGM Financial (TSE: IGM)	38
Aug-17	Responsive AI	CA	Plug and Play Tech Center	
Aug-17	Coinbase	US	Balyasny Asset Management, Banco Bilbao Vizcaya Argentaria (MCE: BBVA), Battery Ventures, Bracket Capital, Draper Associates, Expanding Capital, Fueled, GGV Capital, Greylock Partners, Idealab, IVP, etc.	105
Aug-17	True Link	US	Plug and Play Tech Center	-
Aug-17	Guideline (Retirement Planner)	US	Felicis Ventures	15
Aug-17	Hedgeable	US	Plug and Play Tech Center	-
Aug-17	wikifolio	AT	PostFinance	-
Aug-17	Ellevest	US	Rethink Impact	_
Jul-17	CapitalPro	MX	Plug and Play Tech Center	-
Jul-17	Betterment	US	Bessemer Venture Partners, Francisco Partners, Kinnevik (STO: KINV A), Menlo Ventures, Pactolus Ventures	70
Jul-17	Acorns	US	Bain Capital Ventures, Balyasny Asset Management, Greycroft	40
Jul-17	Macrovue	AU	James Goodwin, Inception Asset Management, AMP New Ventures	1
Jul-17	ClearServe	US	n.a.	3
Jul-17	iCapital Network	US	UBS Financial Services; Morgan Stanley; BlackRock	13
Jul-17	Stash	US	Breyer Capital, Coatue Management, Goodwater Capital, Valar Ventures	42
Jul-17	Upwardly	IN	Sreeram Iyer, Suvomoy Sarkar and Anita Gupta	-
Jul-17	Ohpen	NL	Amerborgh International	17
Jul-17	Ellevest	US	Aspect Ventures, Astia, Astia Angels, Contour Venture Partners, CreditEase, Karen Boezi, Khosla Ventures, LH Holdings, Max Levchin, Mellody Hobson, Morningstar Capital, Nellie Levchin, PSP Partners, etc.	35
Jun-17	Nectar Financial	СН	n.a.	-
Jun-17	Powerwrap	AU	Alium Capital Management	19
Jun-17	RightCapital	US	Camellia Venture Capital	2
Jun-17	Scalable Capital	GE	BlackRock (NYS: BLK), HV Holtzbrinck Ventures, Tengelmann Ventures	38
Jun-17	Avalog	CH	Warburg Pincus	370
Jun-17	Addepar	US	8VC, Harald McPike, SGVC, Valor Equity Partners	143
Jun-17	Canalyst	US	WorldQuant Ventures	- 143
Jun-17	LMRKTS	US	International Finance Corporation; Motive Capital Management	3
Jun-17	Advizr	US	Franklin Templeton Investments (NYS: BEN), IA Capital Group, SEI Investments (NAS: SEIC)	8
Jun-17	Smart Pension	UK	Stensrud Family, Thomas Valentine	20



III. Private Placements (VI/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Jun-17	Trizic	US	Broadhave Capital Partners; Commerce Ventures; Freestyle Capital; PEAK6 Investments	3
Jun-17	wikifolio	AT	Lang & Schwarz Aktiengesellschaft; NewAlpha Asset Management; Speedinvest; VHB Ventures	1
May-17	Evolute Group	CH	n.a.	6
May-17	Werthstein GmbH	GE	Finanzen Verlag GmbH	-
May-17	HelloWallet	US	KeyBank	24
May-17	Citizen Hex	CA	Version One Ventures, OMERS Ventures, Purpose Investments, Mike Serbinis, Morgan Stanley, Laura Adams	-
May-17	Door Ventures	US	Private	1
May-17	G-Banker	CN	SB China Venture Capital; Radiant Venture Capital; BOC International Holdings	29
May-17	R3 HoldCo	US	Consortium of banks and private equity firms	112
May-17	Mylo	CA	Ferst Capital Partners	1
May-17	Moola	UK	Stuart Roden, Run Capital, Odysseus Investments, Marc Rubinstein, Robert Seifert, Jonathan Seifert, Tracy Benjamin, Andrew Rudd and James Terrar	-
May-17	StashAway	SG	Francis Rozario	2
May-17	Additiv	CH	BZ Bank; Patinex AG	21
May-17	Invierte Con Expertos	MX	NXTP Labs	-
May-17	Wacai	CN	Ally Bridge Group; CBC Capital; CN Development Bank Capital Corporation; New Horizon Capital; Qiming Weichuang Venture Capital Management	42
May-17	HedgeHog (investment platform)	US	VC FinTech Accelerator	0
May-17	Wealthsimple	CA	Power Financial (TSE: PWF)	38
May-17	CoinDash	IS	Coinsilium Group	-
May-17	Solovis	US	Edison Partners, FINTOP Capital, Jeremie Bacon, MissionOG, Northwestern University Endowment, OCA Ventures, Timberline Venture Partners	13
May-17	Stockspot	AU	Graham Tuckwell, Alium Capital, Danny Bhandari and H2 Ventures	2
Apr-17	AdvisorEngine	US	WisdomTree Investments (NAS: WETF)	5
Apr-17	Robinhood	US	Cherry Tree Investments, DST Global, Greenoaks Capital Partners, Index Ventures (UK), New Enterprise Associates, Ribbit Capital, Thrive Capital	118
Apr-17	Quovo	US	F-Prime Capital Partners, FinTech Collective, Long Light Capital, Napier Park Financial Partners, Salesforce Ventures	11
Apr-17	Nest Wealth Asset Management	US	National Bank of CA	4
Apr-17	55 Institutional	US	Tectonic Ventures; Calibrate Mangement	10
Apr-17	Futu5.com	US	Matrix Partners CN; Sequoia Capital CN; Tencent	146
Apr-17	Tixguru	TW	Startupbootcamp	-
Apr-17	Smartfolios	SG	Startupbootcamp	-
Apr-17	Wealthinitiative	CH	Fintech fusion	-
Mar-17	Bridge Financial Technology	US	SixThirty	-
Mar-17	Clarity Money	US	Citi Ventures; RRE Ventures	11
Mar-17	Tiger Brokers	US	ZhenFund; CN Growth Capital	15
Mar-17	OroWealth	IN	GSF IN	-
Mar-17	Manage My Fortune	IN	Startupbootcamp	-
Mar-17	D1g1t	CA	Extreme Venture Partners, Portag3 Ventures, Purpose Investments	-
Feb-17	LIQID	GE	Berliner Volksbank Ventures, Dieter von Holtzbrinck Ventures, HQ Trust, Michael Grabner Media, Project A Ventures	5
Feb-17	Dealflo	UK	Frog Capital, HV Holtzbrinck Ventures, Notion	13
Feb-17	Social Finance	UK	GPI Capital; Silver Lake; Softbank	500
Feb-17	CGTZ	US	CN Media Capital	-
Feb-17	Trizic	US	Broadhaven Capital Partners, Commerce Ventures, Freestyle Capital, PEAK6 Investments	4
Feb-17	Find A Wealth Manager	SG	Vulpes Innovative Technologies Investment and Privé Holdings	1
1 00 17	F-P-	JP	Draper Nexus, Jafco (TKS: 8595), Mitsui Sumitomo Insurance Venture	17
Feb-17	Folio	JP	Capital, Monex Ventures, Rakuten Capital	
	Nirvana Financial Solutions, Inc.	US		



III. Private Placements (VII/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Feb-17	Jacobi	US	Illuminate Ventures and PLG Ventures	4
Jan-17	Blooom	US	Allianz Life Ventures, Commerce Ventures, Industry Ventures, KCRise Fund, Nationwide Ventures, QED Investors, TTV Capital, UMB Bank (NAS: UMBF)	10
Jan-17	Raisin	GE	Index Ventures; Ribbit Capital; Thrive Capital	32
Jan-17	InvestCloud	US	JPMorgan Chase & Company	27
Jan-17	Trill Financial, Inc.	US	n.a.	-
Jan-17	InvestEdge	US	Vistara Capital Partners	5
Jan-17	Trumid	US	Creditease	-
Jan-17	Pagaya Investments	US	Viola Ventures	2
Jan-17	Enfusion	US	FTV Capital	-
Jan-17	Bankorus	CN	Crystal Stream Capital, New Hope Group and Lu Han	-
Jan-17	Evolute Group	CH	Swiss StartUp Factory	-
Jan-17	Yova	CH	Swiss Finance Startup	-
Jan-17	Werthstein	GE	Swiss Finance Startup	
Jan-17	Welnvest	SG	True Happiness Capital	_
Jan-17	MarketsFlow	UK	Entrepreneurial Spark	_
Jan-17	Tastyworks	US	Lightbank, Technology Crossover Ventures	
Jan-17	MarketAxess Holdings (NAS: MKTX)	US	Scottish Mortgage Investment Trust (LON: SMT)	
Dec-16	Werthstein GmbH	GE	n.a.	_
Dec-16	Fundvisory SAS	FR	n.a.	
Dec-16	Tiger Brokers	US	ZhenFund; K2 Ventures; Huagai Capital; CITIC	29
Dec-16	Vérios	BR	Startup Farm	
Dec-16	Alkanza	US	ALLVP, Grupo de Inversiones Suramericana (BOG: GRUPOSURA)	7
		US		
Dec-16	iCapital Network		BlackRock (NYS: BLK)	- 07
Dec-16	Stash	US	Breyer Capital, Entrée Capital, Goodwater Capital, Valar Ventures	27
Dec-16	RobustWealth	US	Walden Venture Capital	5
Dec-16	PPmoney	CN	Ants Capital, Yang Jianxin and Yuetai holding group	59
Dec-16	Vestorly	US	Aaron Schumm, Gaspar Global Ventures, Richmond Global Ventures, Sigma Prime Ventures	9
Dec-16	CapitalizeNation	US	Envestnet Yodlee	
Dec-16	Indexa Capital	ES	Pedro Luis Uriarte, Cabiedes & Partners, Viriditas Ventures, Marta Esteve Quesada, Álvaro Ortiz, All Iron Ventures, Fides Capital and Luis M. Viceira	
Dec-16	DriveWealth	US	Route 66 Ventures	-
Nov-16	Bambu (Financial Software)	SG	SuperCharger FinTech Accelerator	-
Nov-16	True Link	US	Cambia Health Solutions, Initialized Capital Management, Kapor Capital, Link-age, Symmetrical Ventures	4
Nov-16	AdvisorEngine	US	WisdomTree Investments (NAS: WETF)	23
Nov-16	Goji Investments	UK	Cocoon Wealth	1
Nov-16	Nutmeg	UK	Armada Investment, Balderton Capital, Convoy Global Holdings (HKG: 01019), Draper Associates, eFolio, Nigel Wray, NKM Capital, Pentech Ventures, Schroders (LON: SDR), Taipei Fubon Commercial Bank	56
Nov-16	StashAway	SG	Private	1
Nov-16	Just2Trade	CY	FinSight Ventures	40
Oct-16	Nectar Financial	CH	Private	-
Nov-16	Silicon Investing	US	Pacific & Orient Berhad	1
Nov-16	Altisource Portfolio Solutions (NAS: ASPS)	LU	AQR Capital Management, BlackRock (NYS: BLK), Fox Run Management, Quantbot Technologies	-
Oct-16	Vestmark	US	Alumni Ventures Group, Summit Partners, Vestigo Ventures	31
Oct-16	Riskalyze	US	FTV Capital	21
Oct-16	Blooom	US	TTV Capital; QED Investors; Industry Ventures; Commerce Ventures; Allianz Digital Corporate Ventures	9
Oct-16	Solovis	US	n.a.	1
Oct-16	TradingFront	US	Private	1
Oct-16	TrackInsight	FR	AVIVA FR SA; NewAlpha Asset Management	3
Oct-16	Stokfella	SA	Merill Lynch	-
Oct-16	WealthNavi Inc.	JP	Mizuho Capital Co. Ltd.; SBI Investment Co., Ltd.; Infinity Ventures; SMBC Venture Capital Co., Ltd.; DBJ Capital Co., Ltd.; SBI Holdings, Inc., Investment Arm	C 15



III. Private Placements (VIII/XII)

Date	Target	HQ	Buyer	Investment
				(USDm)
Sep-16	Moola	UK	Octopus Labs	-
Sep-16	ClearServe	US	SixThirty	
Sep-16	MoneyFarm	UK	Allianz X	7
Sep-16	OpenGamma	US	Accel Partners; Euclid Opportunities Limited; NEX Group plc	13
Sep-16	Ellevest	US	Khosla Ventures; Aspect Ventures; Hard Valuable Fun; Morningstar; Ulu Ventures	9
Sep-16	Acorns	US	The Durant Company	-
Sep-16	Fairr.de	GE	Transamerica Ventures; IBB Beteiligungsgesellschaft	
Sep-16	Huddlestock	US	Private	2
Sep-16	Vestwell	US	FinTech Collective	5
Sep-16	InvestCloud	US	n.a.	26
Sep-16	Crypto Facilities Ltd	UK	Playfair Capital Limited; String Ventures; Digital Currency Group	2
Aug-16	Nord Investments	DK	North-East Venture and Capnova	
Aug-16	Canalyst	US	Vanedge Capital	2
Aug-16	Caifupai	CN	Huoban VC, Sequoia Capital CN, Shen Peng, Zhang Jiayu	1
Aug-16	Bambu (Financial Software)	SG	Tigerspike	-
Aug-16	Instrument Capital	US	Plug and Play Tech Center	-
Aug-16	Stash Rubicoin	US IR	Entrée Capital, Goodwater Capital, Valar Ventures	9
Aug-16 Aug-16		US	Enterprise IR Private	
Aug-16 Aug-16	TradingFront BightConitol	US		<u>-</u> 1
Aug-16 Aug-16	RightCapital Instavest	US	Bruce Ferris, Camellia Venture Capital, Chanjuan Pan, Jacob Herschler Cherubic Ventures; Y Combinator	2
Aug-16 Aug-16	Orowealth	IN	GSF India	0
Aug-16	AdvisorEngine	US	Private	1
Jul-16	Smart Pension	UK	Legal & General Investment Management	7
Jul-16	Quantifeed	HK	PGA Venture Partners, LUN Partners Group	5
Jul-16	Nextmarkets	GE	EXTOREL; FinLab; Thiel Capital	11
Jul-16	Guideline (Retirement Planner)	US	Lerer Hippeau Ventures, New Enterprise Associates, Propel Venture	9
	· · · · · · · · · · · · · · · · · · ·		Partners	
Jul-16	Qudian	CN	Beijing Phoenix Wealth Holding Group; Hangzhou Liaison Interactive Information Technology	449
Jul-16	Coinbase	US	Kindling Capital, Mitsubishi UFJ Capital, Sozo Ventures, The Bank of Tokyo-Mitsubishi UFJ	11
Jul-16	StockTwits	US	Social Leverage	2
Jul-16	Personal Capital	US	IGM Financial (TSE: IGM)	104
Jun-16	ForUSII	US	Foundation Capital, ThirdStream Partners	10
Jun-16	LIQID	GE	Dieter von Holtzbrinck Ventures	
Jun-16	United Income	US	Morningstar	8
Jun-16	ForwardLane	US	FinTech Innovation Lab	-
Jun-16	WiseBanyan	US	Financial Solutions Lab	1
Jun-16	Savedo	GE	Private Posts and 11.0	2
Jun-16	D3 Technology Inc.	US	West Partners, LLC	
Jun-16	StockTwits Smart Pension	US UK	Private Edward Assaily Thomas Valentins	7
Jun-16 Jun-16	Plaid	US	Edward Asseily, Thomas Valentine BoxGroup; Goldman Sachs Investment Management; New Enterprise	44
			Associates; Spark Capital Partners	44
Jun-16	WealthApp	IN	Nuventures, M J Aravind, Vikram Kotak, Jayant Davar, Ramkumar Nishtala and Arjun Sharma	-
Jun-16	Hello Digit	US	Baseline Ventures; Freestyle Capital; General Catalyst Partners; GV; Operative Capital; Ribbit Capital; Upside Partnership	23
Jun-16	Axial	US	Comcast Ventures, DLA Piper, Edison Partners, First Round Capital, Redpoint Ventures, SF Roofdeck Capital I, The Courtney Group	14
Jun-16	Taviq	FI	Nestholma	-
May-16	Payoff.com	US	Private	65
May-16	Finnomena	TH	Dtac Accelerate	-
May-16	Vaamo Finanz AG	GE	Wirtschafts- und Infrastrukturbank Hessen	1
May-16	Finnovest	IS	Keyrus Innovation Factory	-
May-16	InvestmentPOD	US	n.a.	



III. Private Placements (IX/XII)

Date	Target	HQ		Investment (USDm)
May-16	NextCapital	US	n.a.	2
May-16	Canopy	SG	n.a.	2
May-16	SigFig	US	Bain Capital Ventures, DCM Ventures, Eaton Vance (NYS: EV), New York Life Enterprises, New York Life Ventures, Nyca Partners, Santander InnoVentures, UBS (SWX: UBSG), Union Square Ventures	34
May-16	Clarity Money	US	Bessemer Venture Partners; Maveron; Soros Fund Management	3
May-16	Bridge Financial Technology	US	n.a.	1
May-16	WealthBar	US	Nicola Wealth Management	4
May-16	Pagaya Investments	US	Viola Ventures	1
May-16	Shulaibao	CN	ZhenFund, Marathon Venture Partners and MicroCapital	-
May-16	Quantifeed	HK	Open Vault FinTech Accelerator	-
Apr-16	Finnomena	TH	500 TukTuks	-
Apr-16	Savedo	GE	FinLeap; German Startups Group; Kreos Capital; Point Nine Capital; WeltN24; Xange Private Equity;	6
Apr-16	Acorns	US	Kaplan Group Investments, Paypal (NAS: PYPL), Point72 Ventures, Rakuten Capital, Sound Ventures	30
Apr-16	Hihedge	SG	Startupbootcamp	-
Apr-16	Swanest	UK	Andreesen Horowitz	10
Mar-16	Betterment	US	Anthemis Group(Sean Park), Bessemer Venture Partners, Citi Ventures, Francisco Partners, Globespan Capital Partners, Kinnevik (STO: KINV A), Menlo Ventures	104
Mar-16	Scalable Capital	GE	German Startups Group (ETR: GSJ), HV Holtzbrinck Ventures, Monk's Hill Ventures, MPGI, Tengelmann Ventures, Tim Marbach	11
Mar-16	AlphaSense	US	Soros Fund Management, Thomas Glocer, Triangle Peak Partners, Tribeca Venture Partners	34
Mar-16	iQuantifi	US	n.a.	2
Mar-16	CodeStreet	US	Tradeweb Markets	-
Mar-16	SmartAsset	US	Contour Venture Partners; IA Capital Group: Javelin Venture Partners; Transamerica Ventures; TTV Capital	12
Feb-16	Folio	JP	DCM Ventures, Draper Nexus	3
Feb-16	D3 Technology Inc.	US	n.a.	5
Feb-16	ClearServe	US	Callais Capital Management	-
Feb-16	RobustWealth	US	n.a.	-
Feb-16	Eqis	US	Long Ridge Equity Partners	15
Feb-16	CGTZ	US	Guangzhou YUEXIU Industrial Investment Fund	-
Feb-16	InvestmentPOD	US	Prosper Women Entrepreneurs	-
Feb-16	Stash	US	Entrée Capital, Goodwater Capital, Valar Ventures	3
Feb-16	Safened	UK	Finch Capital Partners	15
Feb-16	True Potential	UK	FTV Capital	-
Jan-16	iBillionaire	US	500 Startups	-
Jan-16	ForwardLane Kurtosvs Systems Inc.	US US	Techstars	- 6
Jan-16		US	n.a.Edison Partners; Jeremie Bacon; Jeremie Bacon; Northwestern University.	
Jan-16	Solovis	03	OCA Ventures; Timberline Venture Partners	, s
Jan-16	Lu.com	CN	Arbor Ventures, Bank of CN (SHG: 601988), CN Minsheng Banking (SHG: 600016), Guotai Junan Securities Company (SHG: 601211), Ping An Insurance (Group) Company of CN (SHG: 601318), Zheng He Global Capital	1,270
Jan-16	Alpha Theory, LLC	US	n.a.	=
Jan-16	OroWealth	IN	Powerhouse Ventures, GSF IN and M&S Partners	-
Jan-16	Mylo	CA	Ferst Capital Partners	1
Jan-16	Vestorly	US	Sigma Prime Ventures	4
Jan-16	RightCapital	US	Finovate	-
Dec-15	Evolute Group	CH	Alchemist Accelerator	-
Dec-15	Nirvana Financial Solutions, Inc.	US	n.a.	2
Dec-15	NextCapital	US	AllianceBernstein (NYS: AB), Manulife Financial (TSE: MFC), Route 66 Ventures, State Street Global Advisors, Transamerica Ventures, VCET Capital	19



III. Private Placements (X/XII)

Date	Target	HQ	Buyer	Investment
Dec-15	Rubicoin	IR	Enterprise IR; The Motely Fool	(USDm)
Dec-15	YieldStreet	US	Expansion Venture Capital, Saturn Partners, Rahul Gupta, Ray Lewis, Amber Arbucci, Andrew Perry, Todd Deutsch and Anthony Lee	4
Dec-15	Avaloq	CH	Raiffeisen Schweiz Genossenschaft	-
Dec-15	CoinCube	US	n.a.	-
Dec-15	Trizic	US	n.a.	2
Nov-15	Moola	UK	Run Capital and Odysseus Investments	-
Nov-15	Savedo	GE	HW Capital	-
Nov-15	Blooom	US	Ewing Marion Kauffman Foundation, LaunchKC	-
Nov-15	Hedgeable	US	Ynext Incubator and Envestnet Yodlee	-
Nov-15	Totum	US	Ynext Incubator and Envestnet Yodlee	
Nov-15	MoneyFarm	UK	United Ventures, Cabot Square Capital	18
Nov-15	WealthTank	AU	Founder Institute	
Nov-15	Trill Financial, Inc.	US	n.a.	
Nov-15	Indexa Capital	ES	Cabiedes & Partners, Viriditas Ventures, Fides Capital, Bewa7er, Ramon Blanco, Marta Esteve, Alvaro Ortiz Travado and François Derbaix	1
Oct-15	Tavaga	IN	Ashish Goenka, Utsav Somani	
Oct-15	E-Porady	PO	Platinum Seed	
Oct-15	AlphaSense	US	n.a.	4
Oct-15	WealthNavi Inc.	JP	Mizuho Capital Co. Ltd.; Mitsubishi UFJ Capital Co., Ltd.; Sumitomo Mitsui Financial Group Inc., Asset Management Arm; Infinity Ventures; etc.	5
Oct-15	Blooom	US	Commerce Ventures, DST Systems, Gibraltar Ventures, Hyde Park Venture Partners, QED Investors, UMB Bank (NAS: UMBF)	4
Oct-15	Stockpile	US	Mayfield Fund; Sequoia Capital	15
Oct-15	InvestCloud	US	FTV Capital	46
Oct-15	Mylo	CA	Ferst Capital Partners	1
Sep-15	Rubicoin	IR	Private	1
Sep-15	Investment POD	US	SixThirty	0
Sep-15	Ellevest	US	Ajaypal Banga, Andrea Jung, Brian Finn, Jeff Schwarz, Khosla Ventures, Mohamed El-Erian, Morningstar Capital, Robert Druskin	10
Sep-15	Social Finance	UK	Baseline Ventures; DCM Ventures; Institutional Venture Partners; Renren; SoftBank; Third Point; Third Point Ventures; Wellington Management Group	1
Sep-15	Trumid	US	Shumway Capital Partners; Soros Fund Management	36
Sep-15	AdvisorEngine	US	Kirenaga Partners	5
Sep-15	Advizr	US	Andy Putterman, Ann Kaplan, Aron Miodownick, Brett Danko, Fenway Summer Ventures, John Chrin, Marty Bicknell, Steve Lockshin	2
Sep-15	Aspiration Partners	US	Capricorn Investment Group; GSV Capital.; Renren	16
Sep-15	FeeX	US	Collaborative Fund	3
Sep-15	Fortune Bridge	CN	Qiming Venture Partners	-
Sep-15	Milennium Trust	US	Parthenon Capital Partners	-
Sep-15	G-Banker	CN	SB China Venture Capital	17
Aug-15	Tiger Brokers	US	Xiaomi	16
Aug-15	LIQID	GE	Harald Quandt Holding, Project A Ventures	-
Aug-15	Guideline (Retirement Planner)	US	500 Startups, BoxGroup, David Lyman, Lerer Hippeau Ventures, New Enterprise Associates, Red Swan Ventures, SV Angel, Xfund	2
Aug-15	Qudian	CN	Ant Financial; Source Code Capital; Kunlun	200
Aug-15	Raisin	GE	Index Ventures; Ribbit Capital	22
Aug-15	Nest Wealth Asset Management	US	Metroland Media Group	2
Aug-15	WealthWIzards	UK	Liverpool Victoria Friendly Society Limited	-
Jul-15	CAIS	US	Square Peg Capital	16
Jul-15	Eqis	US	Private	6
Jul-15	TradingView	US	iTech Capital	4
Jul-15	WealthNavi Inc.	JP	Infinity Ventures; Incubate Fund	-
Jul-15	Vestmark	US	Green D Ventures, Link Ventures	3
Jun-15	DriveWealth	US	Fenway Summer Ventures, Route 66 Ventures, SenaHill Partners	4
Jun-15	Quovo	US	David Hauser, FinTech Collective	4
Jun-15	WealthAccess	US	Private	2





III. Private Placements (XI/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Jun-15	Credit Karma	US	Tiger Global Management; Valinor Management; Viking Global Investors	175
Jun-15	Stash	US	Private	1
Jun-15	iCapital Network	US	Credit Suisse (SWX: CSGN), IntraLinks, Pivot Investment Partners	11
Jun-15	ForUsAll	US	Foundation Capital	3
Jun-15	Stockspot	AU	Global Founders Capital Management; H2 Ventures	1
Jun-15	Yomoni	FR	Arkéa Capital Gestion, SCR; Financiere De l'Echiquier	4
Jun-15	Canopy	SG	n.a.	3
Jun-15	ClearServe	US	WorldQuant Ventures; Social Leverage; SenaHill Partners; Flatiron Investors	-
May-15	Ellevest	US	Private	2
May-15	Robinhood	US	Cornerstone Angels, Draper Associates, Index Ventures (UK), Jordan Mendell, LocalGlobe, Machine Shop Ventures, New Enterprise Associates, NKM Capital, Rainfall Ventures, Ribbit Capital, Social Leverage, Sound Ventures	51
May-15	Third Financial	UK	CIT Growth Capital	4
May-15	Trizic	US	Operative Capital	2
May-15	Finance Logix	US	Envestnet	32
May-15	Hello Digit	US	Baseline Ventures; General Catalyst Partners; GV	11
May-15	Ycharts	US	Amicus Capital; Chicago Ventures; Hyde Park Angels; Morningstar; REV	6
			Venture Partners Limited	
May-15	True Link	US	Alexis Ohanian, Allison Bhusri, Bodley Group, Cambia Health Solutions, Collaborative Fund, David Beyer, Deciens Capital, Eric Ries, Garry Tan, Generator Ventures, Initialized Capital Management, John Wolthuis, etc.	5
Apr-15	Futu5.com	US	Matrix Partners CN; Sequoia Capital CN; Tencent	60
Apr-15	SigFig	US	Nyca Partners	12
Apr-15	Artivest	US	Albert Azout, Andrew Dunn, Anthemis Group, Cota Capital, Daniel Debow, FinTech Collective, Joe Lonsdale, Kohlberg Kravis Roberts (NYS: KKR), Level Ventures, Nellie Levchin, Nyca Partners, Peter Thiel, RRE Ventures, Tim Kendall	
Apr-15	EToro	UK	Anthemis Group, BRM Group, CommerzVentures, Cubit Investments, Fort Ross Ventures, Hinge Capital, iAngels, Individual Investor, Ping An Ventures, Social Leverage, Spark Capital	42
Apr-15	Lu.com	CN	BlackPine Private Equity Partners, CDH Investments, CN International Capital Corporation (HKG: 03908), Sagamore Investments	517
Apr-15	Wealthsimple	CA	Bryker Capital, Impression Ventures, Maple Leaf Angels, Portag3 Ventures, Power Corporation of CA (TSE: POW), Power Financial (TSE: PWF)	26
Apr-15	Estimize	US	WorldQuant; Euromoney Institionual Investor; Agilic Capital; Contour Venture Partners; Longworth Venture Partners	7
Apr-15	Qudian	CN	Source Code Capital; Kunlun	115
Apr-15	Just2Trade & LowTrades	US	WhoTrades	-
Apr-15	Acorns	US	e.ventures, Garland Capital Group, Great Oaks Venture Capital, Greycroft, Math Venture Partners, Michael Shore, Sekits Capital, Sound Ventures, Thomas Arrix	25
Apr-15	AdvisorEngine	US	Private	4
Mar-15	Axial	US	Capital Factory, Comcast Ventures, First Round Capital, Individual Investor, Josh Abramowitz, Joshua Kopelman, Mark Gerson, Ralph Mack, Redpoint Ventures, SenaHill Partners, Vidinovo	12
Mar-15	StockTwits	US	Private	1
Mar-15	TraderOS	US	TradeKing	-
Mar-15	Huddlestock	US	Private	1
Mar-15	iQuantifi	US	Plug and Play Tech Center	-
Feb-15	Smart Pension	UK	Private	2
Feb-15	Betterment	US	Anthemis Group, Bessemer Venture Partners, FJ Labs, Francisco Partners, Menlo Ventures, Northwestern Mutual Future Ventures, Teamworthy Ventures	61
Feb-15	Trumid	US	Shumway Capital Partners; Soros Fund Management	8
Feb-15	DriveWealth	US	Individual Investor	6
	Savedo	GE	German Startups Group	_
Feb-15	Savedo	GL	German Startups Group	





III. Private Placements (XII/XII)

Date	Target	HQ	Buyer	Investment (USDm)
Feb-15	Payoff.com	US	Private	-
Feb-15	WiseBanyan	US	A-Level Capital, Andy White, Battle Born Venture, InnoSpring, John Hancock Financial Services, Ross Baird, Upslope Ventures, Village Capital, VTF Capital	4
Feb-15	WiseBanyan	US	A-Level Capital, Andy White(Andy White), Battle Born Venture, InnoSpring, John Hancock Financial Services, Ross Baird(Ross Baird), Upslope Ventures, Village Capital, VTF Capital	4
Jan-15	Jindanlicai	CN	Cherubic Ventures	-
Feb-15	Social Finance	UK	Institutional Venture Partners; Third Point Ventures; Wellington Management Group	213
Feb-15	CGTZ	US	Shunwei Capital	10
Feb-15	Fortune Bridge	CN	Greenwoods Investment	10
Jan-15	NerdWallet	US	Core Innovation Global; iGlobe Partners; Institutional Venture Partners; RRE Ventures	69
Jan-15	True Link	US	Cambia Health Solutions; Collaborative Fund; Generator Ventures; Initialized Capital Management; Kapor Capital	4
Jan-15	Coinbase	US	Andreessen Horowitz, Blockchain Capital, DFJ Growth, Docomo Innovations, Feng Li, IDG Capital, Initialized Capital Management, Kindrec Ventures, New York Stock Exchange, NTT DoCoMo (TKS: 9437), etc.	74 I
Jan-15	Motif	US	Renren (NYS: RENN)	39
Jan-15	Alpha Theory, LLC	US	n.a.	2
Jan-15	Scalable Capital	GE	German Startups Group (ETR: GSJ), HV Holtzbrinck Ventures, Monk's Hill Ventures, MPGI, Rahul Mehta, Reiner Mauch, Steffen Pauls	5
Jan-15	Gulf Wealth Management Limited	UK	Gulf Ventures Corporation	-
Jan-15	Tradier	US	Private	2
Jan-15	Riskalyze	US	Harbor Street Ventures, Pallasite Ventures, West Loop Ventures	2 2 3
Jan-15	ForUSII	US	Foundation Capital, Kita Capital Management, Richard Chen	3
Jan-15	Wealthsimple	CA	C100 Association	-





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