

# **PropTech Market Update**

Q1 2022 REVIEW



MAY 2022

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### Executive Summary – Q1 2022 PropTech Market Update

The PropTech market remained highly active in Q1 with strong investment activity across multiple market sub-sectors.

- Investment momentum in the PropTech market remains strong and Q1 2022 saw continued activity in capital investment and M&A in the category
  - \$4.8 billion in equity and debt growth investment into the U.S. PropTech market in Q1 2022 across ~134 investments
  - 27 financing rounds greater than \$50 million and 12 financing rounds over \$100 million into leaders such as Veev, Snappt, Roofstock, OpenSpace, OfficeSpace, and multiple others
- Construction tech saw a significant increase in financing activity in the quarter as the category continues to grow and mature Veev (\$400M), ICON (\$185M), OpenSpace (\$102M), RenoRun (\$142M) and multiple other construction tech players collectively received over \$1.2 billion in capital in Q1 2022
- Continued activity in the PropTech M&A market with ~33 transactions in Q1 2022, 94% of which were driven by strategic consolidators



Public PropTech companies were impacted by the broader market selloff in Q1 2022, but thematic tailwinds in the category make it an active category for continued consolidation and investment going forward

Sources: PitchBook.com, company filings, company websites, press releases.

(2) Deal value includes cash earn-out potential.

### 40+ Global PropTech Deals Announced Since 2017

Leader in PropTech Advisory



**U.S. PropTech Team** 

### **Integrated Team Built to Advise Modern Fintech Platforms**



#### **Additional Senior Industry Bankers and Team Members**



Andrew Adams Managing Director Head of Data and Analytics



**Christian Kent** Managing Director Financial Services/Fintech



Anna Cotterell Senior VP Data and Analytics



Antoine Marie

VP

Financial

Services/Fintech

Paul Tracev Managing Director

Tara Carter

Managing Director

Data and Analytics

Insurance



Lawrence Guthrie

Managing Director

Specialty Finance

Dominic Orsini

Managing Director

Technology

Financial

Elliot Reader **Danielle Smith** VP Financial Analyst Financial Services/Fintech Services/Fintech



Jeffrey Levine Managing Director Global Head of Financial Services



Gagan Sawhney Managing Director Capital Markets



Juan Guzman Managing Director Insurance



Michael McMahon Managing Director Head of Asset Management



Craig Tessimond Managing Director Insurance



Aaron Solomon Senior VP Financial Services/Fintech













Rupert Sadler Managing Director Technology



VP







Financial Services/Fintech





James Page

Managing Director

Mortgage

Managing Director Technology



Joe Watson Senior VP Data and Analytics



**Rip Furniss** 

Senior VP

Technology





Eric Weber Managing Director Asset Management

Arik Rashkes

Managing Director

Head of Insurance

























Glen Kruger











### Vista Equity Partners Make Strategic Investment in StarRez

#### **Transaction Overview**



Houilhan Lokey acted as exclusive financial advisor to StarRez on its strategic investment from Vista Equity Partners

- On January 12, StarRez announced it had secured significant strategic growth investment from Vista Equity Partners.
- StarRez's industry-leading, proprietary platform and solutions cater to higher education, student property management, PBSA, BTR, co-living, staff housing, boarding schools, and conferences and events.

The company is well-positioned within the growing student accommodation market, offering an intuitive cloud solution with a wide-range of housingspecific functionality to customers.

The strategic growth investment from Vista will help accelerate StarRez's global expansion and foster operational excellence to support sustainable growth, enhance the customer experience, and improve student and resident life globally.

#### **Company Highlights**



#### **Select Transaction Commentary**

It's been an amazing 30-year journey as a privately held family business. When my father founded StarRez nearly 30 years ago, his vision was simple: solving problems and empowering residential communities with technology. As we enter this new phase of growth, we are proud to partner with Vista, who believes in our vision and has the experience, resources and expertise to help us continue to grow as the leader for thriving residential communities.

-Travis Knipe, CEO, StarRez

As technology continues to transform student life and higher education, and properties seek to create more engaging digital experiences for their communities, we see exceptional growth potential in StarRez as an industry leader and innovator. We look forward to partnering with Travis and the StarRez team to accelerate growth and continue improving the lives of students and residents around the world.

-**Patrick Severson**, Senior Managing Director & Co-Head, Vista's Foundation Fund

#### **StarRez Platform**



# Walker & Dunlop Acquires GeoPhy

#### **Transaction Overview**



Houlihan Lokey acted as exclusive financial advisor to GeoPhy on its sale to Walker & Dunlop

- On February 7, Walker & Dunlop (NYSE: WD) announced it had entered into an agreement to acquire GeoPhy for \$290M in which \$85M in cash is paid at closing with an additional \$205M of cash earn-out potential.
- GeoPhy's data analytics capabilities will accelerate the growth of W&D's lending, brokerage, and emerging businesses including Apprise, its tech-enabled appraisal business, and WDExpress, it's small balance lending platform.

#### Walker & Dunlop 3-Year Stock Price Performance

#### Walker & Dunlop Financial Details<sup>(1)</sup>





Sources: S&P Capital IQ, Wall Street Research, company websites, press releases.

(1) Projected figures per Wall Street research consensus as of 5/5/2022, which are pro-forma for GeoPhy.

### Walker & Dunlop Acquires GeoPhy (cont.)

#### **Select Transaction Commentary**

GeoPhy has gained a reputation for its unrivaled capabilities in data science and predictive models, which provide our customers in the commercial real estate space with unmatched efficiencies and insights. We're thrilled to bring our industry experience and insights to Walker & Dunlop to propel the growth of their lending, brokerage, and emerging businesses. As a combined company, we have the scale, resources, and expertise to truly differentiate Walker & Dunlop's services in the marketplace. We know W&D, we know the value of their brand and platform, and we expect this acquisition to be a fantastic success.

-Teun van den Dries, Co-Founder & CEO, GeoPhy



This acquisition is a game-changing investment for Walker & Dunlop, as it dramatically accelerates the growth of our technology capabilities in two areas of the market where we have the ability to disrupt the commercial real estate services industry. As our current JV partner in Apprise, we are well-acquainted with the GeoPhy team and their capabilities. Actionable technology–that makes our bankers and brokers more insightful and capable–is what has differentiated Walker & Dunlop, and the acquisition of GeoPhy immediately enhances our capabilities. GeoPhy is the largest technology investment we have made and accelerates the achievement of our Drive to '25 strategy to use technology to grow our existing scaled lending and brokerage businesses, as well as transform the real estate services landscape by developing tech-enabled businesses that will be faster, better, and cheaper than the competition.

-Willy Walker, Chairman & CEO, Walker & Dunlop



#### **Overview of Companies and Select Offerings**

#### WALKER & DUNLOP

- Largest provider of capital to the multifamily industry in the US and the 4<sup>th</sup> largest lender on all commercial real estate
- Created a "Drive to '25" revenue and expansion goal, with plans to expand annual origination volume, grow the service portfolio, increase annual property sales volume, and increase AUM

#### Multifamily Lending (WDExpress):

Refinance an existing loan, raise capital to acquire an asset, or secure construction financing to build a new property

Debt Brokerage: Provide customers with debt financing

**Property Sales:** Property sales brokerage services to owners and developers of multifamily properties

### SEOPHY

- Operator of an artificial intelligence-based property analytics platform intended to provide instant and accurate property valuations
- Company's platform uses data and machine learning to create instant and accurate valuations for commercial real estate

**Evra:** Source, screen, and underwrite CRE deals through deal origination, property screening, and underwriting capabilities



Through Joint Venture

Apprise: Delivers appraisals, leveraging data, expert multifamily appraisal specialists, and innovative technology

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### Residential RE Market Remains Highly Active Despite Inventory Levels and Rising Rates



be Up y/y Despite Rising Rates, but ReFi Volume Expected to Decline Significantly<sup>(2)</sup>

> MBA Purchase Origination and Refinancing Loan Volume Projections as of 4/13/2022 (\$M)



# **2** Constricted Housing Supply as Inventory Remains at New Record Lows<sup>(1)</sup>



Inventory Constraints Driving Up Prices Despite Rising Rates<sup>(1)</sup>



Source: (1) Freddie Mac. (2) Mortgage Bankers Association of America.

### **CRE Markets Recovering with Tech Adoption Growing Rapidly**



#### US Commercial Property Transactions Have Generally Increased, with Strong Performance in Retail<sup>(2)</sup>

Annual Change in US Commercial Property Deal Volume in Q1 2022



# **2** Net Absorption Rate in Slightly Negative Territory Due to Relocations and Consolidation<sup>(3)</sup>



\_ Multiple High-Profile CRE / Multi-family Tech Financings in Q1 2022

**Alfred**<sup>•</sup> \$125M Equity and Debt Raised<sup>(4)</sup>

> **HAPPY** \$52M Equity Raised

E Envoy \$111M Equity Raised

0FFICESPACE.
\$150M Equity Raised

(3) JLL, "Office Outlook."

### **PropTech Private Capital Deal Dashboard – Q1 2022**

#### **Financing Activity**



Sources: Press releases, Greek Wire, Yahoo Finance, Axios, TechCrunch, Venture Beat, The Real Deal. (1) Crunchbase. (2) Pitchbook.com.

#### Select Q1 2022 Financing Transactions

(\$M)					
Date	Company	Select Investor(s)	Amt. Equity Invested	Equity Funding to Date	Latest Reported Valuation
3/21	топо	SVD Capital	\$40	\$110	\$640
3/15	knock-	FOUNDRY GROUP	\$70 equity / \$150 debt	\$131 <sup>(1)</sup>	NA
3/10	Diamond Age	Prime Movers Lab	\$50	\$58	\$140 <sup>(2)</sup>
3/10	roofstock	SoftBank	\$240	\$400+	\$1,940
3/2	OPENSPACE	PSP growth	\$102	\$190	\$902
3/1	kin.	QED	\$82	\$215	\$832 <sup>(2)</sup>
3/1	Veev	BOND	\$400	\$600	\$1,000+
2/22	facilio	Brookfield	\$35	\$45	\$171 <sup>(2)</sup>
2/15	Homebound	khosla ventures	\$75	\$148	\$725 <sup>(2)</sup>
2/14	8 evolve		\$100	\$235	NA
2/9	EasyKnock	Capital Gaingels	\$57	\$105	NA

### **PropTech Private Company Funding Leaders**



Sources: PitchBook.com, CB Insights, company filings, company websites, press releases.

Notes: Equity raised to date as of 4/31/2022. (1) Based on transaction announced date.

(2) Kin Insurance previously announced that they would go public through a SPAC but has since terminated their plans

## HappyCo Raises \$52 Million Led by Camber Creek

#### **Transaction Overview**



- On January 19, HappyCo announced its \$52 million funding round led by Camber Creek.
- The fundraise included venture capital investors and HappyCo customers.
- HappyCo was designed to automate, simplify and protect data collected during residential rental property inspections and has grown to become a trusted multifaceted solution for property management, due diligence, and underwriting globally.
- In 2021, HappyCo data was relied upon to transact approximately 26% of all US sale transactions of multifamily units.

#### **Select Customers**



Enable customers to collect in-depth data for +3.5M homes

#### HappyCo Overview

Headquarters	San Francisco, CA		
Founded	2011		
Description	Provider of real estate software that develops mobile and cloud solutions to enable real-time operations data for property managers, asset managers, lenders, and investors. Its software suite includes market-leading condition assessment and workflow tools with in-unit data on more than 3.5 million rental homes		
Select Current Investors	BAM Berger BONAVENTURE		

#### **Select Deal Commentary**

This funding round marks an inflection point in the growth of our business, not only in our capacity to develop new products and innovative solutions, but also to lay down a stronger team presence in Australia as the build-to-rent market here gains traction. As well as hiring a load of technical talent in Australia, the funding will allow us to pursue acquisitions in the major markets where we've built a best-in-class network of institutional real estate investors, property managers, and lenders.

- Jindou Lee, Co-Founder & CEO, HappyCo



### **OfficeSpace Raises \$150 Million from Vista Equity Partners**

 On January 21, OfficeSpace announced its \$150 million strategic investment from

Neighborhoods, a feature designed to manage the new hybrid reality, enabling

customers to manage the return to the

OfficeSpace currently has 200 employees

The announced investment will help

accelerate the growth of its Atlanta

in total, in which 50 are located in Atlanta.

Vista Equity Partners.

workplace.

workforce.

Recently, OfficeSpace launched

#### **Transaction Overview**



#### **Solution Overview**



#### **OfficeSpace Overview**

Headquarters	Alpharetta, GA
Founded	2004
<b>Description</b> Provider of an innovative platform that simplifies the workplace for dynamic organizations. From space management and soci distancing to desk booking and employee requests, OfficeSpa provides the flexibility and agility forward-focused companies need to manage their current workspace–and create a better place for everyone	
Current Investors	



#### **Select Deal Commentary**

There is no question that OfficeSpace has built the market-leading software solution for companies who are addressing difficult questions about the evolving workplace...We are proud to back OfficeSpace as they continue to improve the employee and workspace experience.

– René Stewart,
 Senior MD, Vista

We're thrilled to receive support from Vista and continue our partnership with Resurgens, who believe in our vision of creating a better place for everyone, wherever work happens. I'm incredibly proud of our team, and we are ready to build on our strong foundation and continue to bring exceptional value to our customers.

David Cocchiara,
 CEO, OfficeSpace



### **Veev Raises \$400 Million in Series D Round**

#### **Transaction Overview**



- On March 1, Veev announced its \$400 million Series D funding round led by Bond Capital.
- The company plans to use its new capital toward scaling its operations, expanding construction, distributing to new markets, and accelerating research & development initiatives.
- This latest funding round brings total funding to \$600 million and propels the Company to unicorn status.

#### **Veev Overview**

Headquarters Founded Description		lly integrated real estate t	
	process includes as design, permitting, f home backbone. Ve proprietary construc	pletely in-house. The Cor set management, architec ull modular build, installati ev creates its development tion technology, enabling —all within a near-zero wa	ctural and structural ion, and a digital nts with its the company to
Select Current Investors BOND		FIFTH WALL	JLLSpark
	khosla ventures	LENNAR	Lew URS

#### **Select Deal Commentary**



-Amit Haller, Co-Founder & CEO, Veev

#### **Engineering Offerings**

#### 1. System Technologies

 Development of Plug & Play technology for mechanical, electrical, plumbing, and fire suppression within Veev's modular system

#### 2. Component & Process Development

 Development of modular integrated components within Veev's fabricated panels, including ventilation, mechanical, electrical, and more

#### 3. Digital Home Automation Hardware

Development of buildout of controls devices like sensors, lighting, windows shades, fans, HVAC, garage doors, etc.



### **OpenSpace Raises \$102 Million in Series D Round**

#### **Transaction Overview**



- On March 2, OpenSpace announced its \$102 million Series D funding round led by PSP Growth.
- Over the last year, the company has taken several steps to meet growing demand, including expanding product offerings, widening its international footprint, and branching out to new use cases.
- This latest funding brings the total equity raised to \$190 million, and values the company at \$902 million.
- The funding will be used to continue scaling the business and to develop additional AI-powered technologies.

#### Key Metrics <sup>(1)</sup> and Solution Overview



#### **OpenSpace Overview**

Headquarters	San Francisco, CA
Founded	2017
Description	Developer of a machine vision product designed to solve problems in construction and related industries. The company's core product uses AI to automatically create navigable, complete photo representations of job sites, allowing for faster data-capture compared to traditional, manual methods. OpenSpace offers the ClearSight product suite, which is an AI-powered analytics software that can quantify progress, enabling builders to collaborate and reduce risk more efficiently than text-based workflows.
Select Current Investors	ALKEON CADITAL MANAGEMENT MENLO V E N T U R E S V E N

#### **Select Deal Commentary**



Sources: PitchBook.com, The Real Deal, Company website, press releases. (1) As of 4/2/2022.

### **Roofstock Raises \$240 Million in Series E Round**

#### **Transaction Overview**



#### On March 10, Roofstock announced its \$240 million Series E funding round led by SoftBank.

- The company intends to use the funds to enhance its Roofstock One offering to accredited investors, to help further improve accessibility and liquidity in the SFR asset class, hire across all roles from engineering and product to marketing, analytics and operations, build out Roofstock Labs and provide capital for additional strategic M&A.
- This latest funding round values the company at \$1.94 billion.

#### Key Metrics<sup>(1)</sup>

#### \$5B+

Transactions to Date

#### \$1B+

Trading in Portfolio for 2021

#### \$1.2B+

In Assets Purchased from Institutional Clients in 2021



#### **Roofstock Overview**

Headquarters	Oakland, CA	
Founded	2015	
Description	Led by CEO Gary Beasley, and Gregor Watson, co-founder and Chairman, Roofstock is a digital real estate investing platform for the \$4 trillion single-family rental home (SFR) sector. Its technology and software make it possible for both incumbents and new investors to maximize opportunities across the U.S. and realize substantial rewards in a customized, transparent digital experience.	
Select Current Investors	ZBainCapital () EXPANDING JLLSpark khosla ventures ZSoftBank	

#### **Product And Services Offering**



#### **Select Deal Commentary**

There has never been a time quite like this for single-family real estate, and Roofstock is truly at the vanguard of making the market work for everyone. We're grateful for the continued support from our new and existing investors and stakeholders who share our vision to make this a modern, radically accessible asset class.

-Gary Beasley, Co-Founder & CEO, Roofstock



Sources: PitchBook.com, company website, press releases. (1) As of 3/10/2022.

15,000

Homes Under

Management

\$4T

TAM

### **Snappt Raises \$100 Million in Series A Round**

#### **Transaction Overview**

<b> </b>	<ul> <li>On March 15, Snappt announced its \$100 million Series A funding round led by Insight Partners.</li> </ul>
Series A Led by	The new investment will be used to accelerate product development, increase sales and marketing efforts, and expand market reach.
<b>INSIGHT</b> Partners	<ul> <li>Snappt helped its customers avoid \$105M+ in bad debt in 2021 and 1K+ multi-family communities use Snappt.</li> </ul>
\$100M Equity Raised	<ul> <li>The funding comes after the rapid growth Snappt saw in 2021, including apartment</li> </ul>
	unit and revenue growth of +700%.

#### Snappt's End-to-End Solution



#### **Snappt Overview**

Los Angeles, CA	
5, -	
2017	
Provider of a a quick and inexpensive data-du service that can accurately spot fraudulent do company's technology aggregates all applica the source by evaluating documents for poss qualifies the resident based on the property of criteria, enabling landlords to authenticate se information as well as instantly retrieve crimin expulsion data/	ocumentation. The nt data directly from ible fraud and wner's acceptance lf-reported
DREAMIT	PARTNERS PREDICTIVE
	Provider of a a quick and inexpensive data-diservice that can accurately spot fraudulent do company's technology aggregates all applica the source by evaluating documents for poss qualifies the resident based on the property of criteria, enabling landlords to authenticate se information as well as instantly retrieve crimine expulsion data/

#### **Select Deal Commentary**



### PropTech M&A Deal Dashboard – Q1 2022

#### Q1 2022 U.S. PropTech M&A Activity

- Q1 2022 M&A Activity
  - 94% strategic acquirers (includes PE-backed strategics)
  - 6% financial acquirers



#### Select U.S. Q1 2022 PropTech M&A Transactions

(\$M)			
Buyer	Target	Announced Date	Enterprise Value
AUTODESK	THE WILD	3/24	NA
<b>A</b> SmartRent	「SightPlan」	3/24	\$135
Alfred	RESIDENTIAL	3/8	NA
Clutter <sup>(1)</sup>	MakeSpace <sup>(1)</sup>	2/24	NA
WALKER & DUNLOP	SEOPHY	2/7	\$ <b>290</b> <sup>(2)</sup>
we		1/25	NA
FEAL ESTATE BOFFWARE	ANGUS	1/19	NA
<b>a</b> buildout	咎 apto	1/19	NA
VISTA TOUTY PARTNERS	🜟 StarRez	1/12	NA
REDFIN	bay equity	1/11	\$138
()) JLL	🔎 Hank	1/6	NA
CBRE	Building 🕖	1/5	NA

Sources: PitchBook.com, 451 Research, press releases.

(1) Clutter and Makespace merged into one company, which will operate under the Clutter brand.

(2) Deal value includes cash earn-out potential.

### **Redfin Acquired Bay Equity Home Loans**

#### **Transaction Overview**

\$138M

<b>REDFIN</b> Acquired	<ul> <li>On January 11, Redfin (NASDAQ:RDFN) announced it had entered into an agreement to acquire Bay Equity Home Loans for \$137.8 million in an all-cash transaction.</li> </ul>
bay equity.	<ul> <li>Under the terms of the merger agreement, the purchase price represents a \$72.5 million premium over Bay Equity's tangible book value as of February 28.</li> </ul>
	= Dev Equity will continue to energies under ite

Bay Equity will continue to operate under its own name and current leadership, originating refinance and purchase loans for customers working with Redfin agents as well as customers working with other brokerages.

#### **Redfin Financial Details**<sup>(1)</sup>



#### **Redfin 3-Year Stock Price Performance**



Sources: S&P Capital IQ, Wall Street Research, company websites, press releases.

(1) Projected figures per Wall Street research consensus as of 5/5/2022, which are pro-forma for Bay Equity Home Loans.

### Redfin Acquired Bay Equity Home Loans (cont.)

#### **Select Transaction Commentary**



-Brett McGovern, CEO, Bay Equity

As homebuyers struggle with affordability and bidding wars, it's more important than ever for lenders and brokers to work together on every customer's offer. In dozens of markets, Bay Equity and Redfin field organizations have already met, and the difference in our agents' enthusiasm about recommending a Redfin mortgage to their customers is night and day: because Bay Equity has hundreds rather than dozens of loan officers, because Bay Equity supports every type of loan, because Bay Equity was already one of Redfin customers' top-rated lenders. But the biggest reason we expect to hit the ground running is just how much the two teams have already enjoyed working together. Redfin folks have come out of every meeting saying 'that was awesome.' There are many ups and downs ahead, but since signing the agreement in January, we've only felt better about it, and how much value it can deliver for our customers and shareholders alike.

-Glenn Kelman, President & CEO, Redfin

#### **Strategic Rationale**

### REDFIN

Redfin is a technology-powered residential real estate company. Redfin has closed 2,644 loans and has an origination volume of \$982B in 2021. The company operates in 24 states and employs approximately 250 people.

#### bay equity

Bay Equity is a licensed mortgage lender that provides a full product suite, including VA, FHA, and jumbo loans. The company has closed 25,338 loans and had an origination volume of \$8.5B in 2021. The company operates in 42 states and employs approximately 1,200 people.

#### Scaling Redfin's Brokerage

At nearly 10 times the size of Redfin's existing lending business, Bay Equity helps match the scale of Redfin's nationwide brokerage of approximately 2,400 agents, increasing the number of brokerage customers whose homes Redfin can finance.

#### **Acquire Better Terms for Loans**

Given its scale, Bay Equity can be more efficient at producing loans and can get better terms when selling those loans to investors. These advantages will let Redfin generate more profit from each loan while keeping rates low for its customers.

#### **Reduce Investment in Lending Software**

By using Bay Equity's loan-origination system, Redfin will be able to reduce its 2022 investment in lending software. Bay Equity has generated positive net income for each of the past three years.

## Alfred Acquired RKW Residential and Raised \$125M

#### **Transaction Overview**







Undisclosed

- On March 8, Alfred announced it had acquired RKW Residential.
- The acquisition speeds adoption of Alfred Operation System (AOS) to RKW's 30,000 single-family and multi-family rentals.
- Alfred raised \$50M in a mix of debt and equity to finance the transaction and has access to up to an additional \$75M for future acquisitions. Rialto Capital led the funding round, which comes on the heels of a Series C \$42 million round in October 2020.
- RKW Residential is a fast-growing property management firm with 30,000 single-family and multi-family rentals.

#### Select Transaction Commentary

...you want more for your money. More service, more income, more efficiency, more community, and you want it in one seamless experience. By acquiring RKW, we can more deeply deploy technology to learn, innovate and continually elevate the rental experience for all.

-**Marcela Sapone,** Co-Founder & CEO, ( Alfred RKW and Alfred share a peoplefirst philosophy...Together with Alfred, we'll revolutionize how we approach property management, with a focus on using the latest technology and resident-focused innovation.

-**Marcie Williams**, President, RKW

#### **Alfred Overview**

Headquarters	New York, NY							
Founded	2015							
Description	Developer of resident management software designed to deliver in-home support and local experiences. The company's platform assigns a personal home manager that allows users to make requests such as book home services, enabling residents to operate various services through a single platform.							
Select Current Investors	ALUMNI VENTURES GROUP	GREYSTAR	MODERNE					
	NEA®	Rialto	(G) SPARK CAPITAL					

#### Alfred Key Metrics and Product Offerings



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### **PropTech Public Company Performance**

#### LTM Share Price Performance



#### Public PropTech Ecosystem



### **PropTech Public Company Valuation**



### Enterprise Value/2022E Revenue

#### Enterprise Value/2022E EBITDA



#### Public PropTech Ecosystem



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### **PropTech Ecosystem**

#### (\$M, Except Per Share Data)

	Stock							Trading S	tatistics			Operating	Metrics	
	Price	Equity	Net	Enterprise	Reve	nue	EV / Rev	/enue	EV / EE	BITDA	Revenue	Growth	EBITDA	Margin
Company	5/5/2022	Value	Debt	Value	CY21A	CY22E	CY21A	CY22E	CY21A	CY22E	21A/20A	22E / 21E	CY21A	CY22E
RE Media / Portals	<b>0</b> 04.00	<b>004 470</b>	<b>AO 010</b>	<b>6</b> 04.050	\$1,944	\$2,166	44.0		00.0	05.0	470/	4.40/	33%	000
CoStar Group, Inc.	\$61.00 \$39.05	\$24,170 \$9.617	\$2,816	\$21,353	\$1,944	\$2,166	11.0x 1.2x	9.9x 1.5x	33.0x	35.2x 12.3x	<u> </u>	(22%)	2%	28% 12%
Zillow Group, Inc.	1	1 - 7 -	(\$119)	\$9,736	1 - 7	1 - 1								61%
REA Group Limited	\$86.77	\$11,467	(\$210)	\$11,676	\$904	\$872	12.9x	13.4x	25.2x	22.0x	45%	(3%)	51%	
Rightmove plc Scout24 SE	\$7.47	\$6,269	\$40	\$6,229	\$377	\$407	16.5x	15.3x	21.4x	20.2x	48%	<u>8%</u> 5%	77% 54%	76% 54%
	\$64.12	\$5,070	(\$184)	\$5,254	\$440	\$463 \$256	11.9x	11.3x	22.3x	21.0x	<u>11%</u> 56%	33%	(23%)	
Nextdoor Holdings, Inc.	\$4.16	\$1,607	\$453	\$1,154	\$192		6.0x	4.5x	NM NM	NM NM	166%	65%		(18%
Porch Group, Inc.	\$3.77	\$373	(\$104)	\$477 -\$11	\$192 \$277	\$317 \$284	2.5x NM	1.5x NM		NM	5%	2%	(14%)	(9%
LIFULL Co., Ltd.	\$0.00	\$0	\$11	-\$11	\$277	\$284	INIVI	INIM	0.3x	INIVI	5%	2%	(14%)	9%
				<u> </u>	RE Media / Po	rtals								
				I	Mean:		8.9x	8.2x	20.4x	22.1x	61%	12%	21%	27%
					Median:		11.0x	9.9x	22.3x	21.0x	47%	7%	18%	20%
RE Data / RE Software Black Knight, Inc.	\$71.81	\$11,093	(\$2,703)	\$13,796	\$1,475	\$1,601	9.4x	8.6x	19.1x	17.4x	19%	8%	49%	49%
Procore Technologies, Inc.	\$54.27	\$7,355	(\$118)	\$7,473	\$515	\$678	14.5x	11.0x	NM	NM	29%	32%	(50%)	(4%
AppFolio, Inc.	\$104.11	\$3,633	\$65	\$3,568	\$359	\$452	9.9x	7.9x	NM NM	NM NM	16%	26%	10%	11%
Matterport, Inc.	\$5.32	\$1,494 \$1.571	\$140	\$1,354	\$111 \$486	\$129 \$574	12.2x 3.8x	10.5x 3.2x		17.4x	<u>29%</u> 11%	<u>16%</u> 18%	(36%)	(103%)
Altus Group Limited	\$35.31	1 /-	(\$254)	\$1,825					21.3x					
MeridianLink, Inc.	\$16.39	\$1,320	(\$314)	\$1,633	\$268	\$290	6.1x	5.6x	13.2x NM	14.3x NM	34%	8%	46%	39%
Latch, Inc.	\$3.19	\$458	\$91	\$367	\$41 \$152	\$88 \$181	8.9x	4.2x 4.4x			129% 8%	<u>112%</u> 19%	(246%)	(203%
Agilysys, Inc. SmartRent, Inc.	\$36.48	\$893 \$860	\$104 \$428	\$789 \$432	\$152	\$238	5.2x 3.9x	4.4x 1.8x	29.3x NM	29.5x	111%	115%	18%	15%
Real Matters Inc.		\$000	<del>420</del> \$72	\$43 <u>2</u> \$224	\$164	\$230\$94	1.4x	2.4x	3.8x	17.6x	11%		36%	
Real Matters Inc.	\$3.79	\$295	\$72	\$224	\$164	\$94	1.4X	2.4X	3.8X	17.0X	1%	(43%)	30%	14%
				<u> </u>	RE Data / RE S	Software								
				1	Mean:		7.5x	6.0x	17.3x	19.2x	39%	31%	(21%)	(19%
				_	Median:		7.5x	5.0x	19.1x	17.4x	24%	18%	14%	12%
Residential Brokerage														
Opendoor Technologies Inc.	\$7.15	\$4,467	(\$3,475)	\$7.942	\$8.021	\$17.088	1.0x	0.5x	NM	NM	211%	113%	1%	1%
Redfin Corporation	\$11.33	\$1,214	(\$852)	\$2,066	\$1,923	\$2,680	1.1x	0.5x	NM	NM	117%	39%	(0%)	(2%
Realogy Holdings Corp.	\$11.17	\$1,320	(\$3,255)	\$4,575	\$7,983	\$7,749	0.6x	0.6x	5.1x	6.0x	28%	(3%)	11%	10%
Compass, Inc.	\$5.46	\$2,250	\$38	\$2,212	\$6,421	\$8,045	0.0x	0.0x	NM	NM	73%	25%	0%	1%
eXp World Holdings, Inc.	\$15.14	\$2,263	\$126	\$2,137	\$3,771	\$5,229	0.5x	0.3x	27.4x	15.4x	110%	39%	2%	3%
RE/MAX Holdings, Inc.	\$23.70	\$457	(\$384)	\$841	\$330	\$371	2.5x	2.3x	7.0x	6.4x	24%	13%	36%	35%
Purplebricks Group plc	\$0.25	\$76	(\$304) \$71	\$4	\$330	\$107	0.0x	0.0x	NM	NM	(3%)	6%	(3%)	(0%
	÷0.20	<i></i>	ψ. 1	· · · · ·	· · · · · · · · · · · · · · · · · · ·		0.07	0.07			(070)	0,0	(0.0)	(37
				-	Residential Br	okerage								
					Mean:		0.9x	0.7x	13.2x	9.2x		33%	7%	7%
					Median:		0.6x	0.5x	7.0x	6.4x	73%	25%	1%	1%

Source: S&P Capital IQ as of 5/5/2022.

Notes: "NM" signifies multiple >40x or <0x. Trading multiples are based on share price, other market data, and broker consensus future earnings estimates from S&P Capital IQ as of May 5, 2022. All financials calendarized to a December year-end.

### PropTech Ecosystem (cont.)

#### (\$M, Except Per Share Data)

	Stock							Trading S	tatistics			Operating	Metrics	
	Price	Equity	Net	Enterprise	Reve	nue	EV / Rev	venue	EV / EB	ITDA	Revenue	e Growth	EBITDA	Margin
Company	5/5/2022	Value	Debt	Value	CY21A	CY22E	CY21A	CY22E	CY21A	CY22E	21A / 20A	22E / 21E	CY21A	CY22E
Commercial Brokerage														
CBRE Group, Inc.	\$81.77	\$26,479	(\$2,607)	\$29,086	\$27,746	\$32,798	1.0x	0.9x	9.5x	9.0x	16%	18%	11%	10%
Jones Lang LaSalle Inc.	\$209.68	\$10,402	(\$2,036)	\$12,438	\$8,105	\$8,718	1.5x	1.4x	8.3x	8.4x	32%	8%	18%	17%
Cushman & Wakefield plc	\$18.19	\$4,101	(\$3,025)	\$7,126	\$9,389	\$9,938	0.8x	0.7x	8.0x	7.0x	20%	6%	9%	10%
Colliers International Group Inc.	\$110.95	\$4,910	(\$1,203)	\$6,113	\$4,089	\$4,564	1.5x	1.3x	11.2x	9.7x	47%	12%	13%	14%
Newmark Group, Inc.	\$12.19	\$2,302	(\$1,268)	\$3,570	\$2,906	\$3,167	1.2x	1.1x	6.0x	5.7x	53%	9%	21%	20%
Savills plc	\$13.05	\$1,803	\$69	\$1,734	\$2,655	\$2,654	0.7x	0.7x	4.9x	6.2x	23%	(0%)	13%	11%
Marcus & Millichap, Inc.	\$43.61	\$1,731	\$241	\$1,490	\$1,296	\$1,464	1.1x	1.0x	7.0x	6.4x	81%	13%	16%	16%
				C	Commercial B	rokerage								
				N	<i>l</i> lean:		1.1x	1.0x	7.8x	7.5x	39%	9%	15%	14%
				<u>_N</u>	<i>l</i> ledian:		1.1x	1.0x	8.0x	7.0x	32%	9%	13%	14%
Mortgage / Title														
Finance Of America Companies Inc.	\$2.54	\$485	(\$20,132)	\$20,618	\$1,736	\$1,668	11.9x	12.4x	NM	NM	(4%)	(4%)	26%	18%
Rocket Companies, Inc.	\$8.76	\$17,257	(\$1,966)	\$26,973	\$13,176	\$9,079	2.0x	3.0x	4.4x	9.9x	(17%)		47%	30%
Fidelity National Financial, Inc.	\$40.80	\$11,570	\$370	\$11,200	\$15,635	\$12,694	0.7x	0.9x	2.9x	4.0x	45%	(19%)	25%	22%
loanDepot, Inc.	\$2.83	\$880	(\$9,139)	\$10,019	\$4,008	\$2,408	2.5x	4.2x	11.5x	29.3x	(14%)		22%	14%
UWM Holdings Corporation	\$3.74	\$5,991	(\$1,551)	\$7,543	\$3,556	\$2,398	2.1x	3.1x	5.3x	5.0x	(29%)		40%	63%
First American Financial Corporation	\$61.04	\$6,556	(\$767)	\$7,323	\$9,214	\$8,490	0.8x	0.9x	3.9x	6.3x	30%	(8%)	20%	14%
Radian Group Inc.	\$21.85	\$3,816	(\$1,428)	\$5,244	\$1,330	\$1,308	3.9x	4.0x	NA	NA	(8%)	(2%)	NA	N
Home Point Capital Inc.	\$3.10	\$430	(\$5,863)	\$6,294	\$1,131	\$540	5.6x	11.7x	NM	NM	(22%)	(52%)	2%	25%
Open Lending Corporation	\$14.20	\$1,792	(\$3)	\$1,795	\$216	\$221	8.3x	8.1x	11.6x	12.2x	98%	3%	72%	66%
Blend Labs, Inc.	\$4.30	\$1,000	(\$19)	\$1,019	\$234	\$237	4.3x	4.3x	NM	NM	144%	1%	(40%)	(58%
Stewart Information Services Corporation	\$55.82	\$1,516	(\$204)	\$1,720	\$3,306	\$3,194	0.5x	0.5x	3.8x	4.4x	44%	(3%)	14%	12%
Altisource Portfolio Solutions S.A.	\$10.82	\$174	(\$171)	\$344	\$178	\$193	1.9x	1.8x	NM	NM	(51%)	8%	(18%)	(0%
				Ν	/lortgage / Tit	le								
				Ν	<i>l</i> lean:		3.0x	3.9x	6.2x	10.2x		(16%)	18%	19%
				N	<i>l</i> ledian:		2.1x	3.1x	4.4x	6.3x	(8%)	(8%)	21%	18%
Credit / Mortgage Marketing														
LendingTree, Inc.	\$80.78	\$1,047	(\$632)	\$1,679	\$1,098	\$1,202	1.5x	1.4x	12.5x	10.7x	21%	9%	12%	13%
Moneysupermarket.com Group PLC	\$2.11	\$1,132	(\$95)	\$1,227	\$392	\$455	3.1x	2.7x	9.9x	11.5x	(8%)		32%	23%
QuinStreet, Inc.	\$9.60	\$524	\$104	\$419	\$589	\$590	0.7x	0.7x	8.6x	13.3x	13%	0%	8%	5%
				<u> </u>	Credit / Mortg	age Marketing	)							
				Ν	<i>l</i> ean:		1.8x	1.6x	10.3x	11.8x		9%	17%	14%
				Ν	<i>l</i> ledian:		1.5x	1.4x	9.9x	11.5x	13%	9%	12%	13%

Source: S&P Capital IQ as of 5/5/2022. Notes: "NM" signifies multiple >40x or <0x. Trading multiples are based on share price, other market data, and broker consensus future earnings estimates from S&P Capital IQ as of May 5, 2022. All financials calendarized to a December year-end.

### PropTech Ecosystem (cont.)

#### (\$M, Except Per Share Data)

	Stock	Stock				_	Trading Statistics				Operating Metrics			
	Price	Equity	Net	Enterprise	Reve	nue	EV / Re	venue	EV/EE	BITDA	Revenu	e Growth	EBITDA	Margin
Company	5/5/2022	Value	Debt	Value	CY21A	CY22E	CY21A	CY22E	CY21A	CY22E	21A / 20A	22E / 21E	CY21A	CY22E
RE Sharing Economy / Travel														
Airbnb. Inc.	\$143.09	\$91,069	\$4,481	\$86,588	\$5,992	\$8,278	14.5x	10.5x	NM	35.7x	77%	38%	27%	29%
Booking Holdings Inc.	\$2.171.91	\$88,230	\$432	\$87,798	\$10,992	\$0,278	8.0x	5.0x	30.2x	16.4x	61%	60%	27%	31%
0 0	\$139.50	\$21,915	(\$2,520)		\$8,598	\$11,789	2.8x	2.1x	16.5x	9.8x	65%	37%	17%	21%
Expedia Group, Inc. Tripadvisor, Inc.	\$139.50		(\$2,520) (\$141)		ەە,590 \$902	\$1,769	2.ox 4.1x	2.1x 2.8x	37.4x	9.6X 13.7x	49%	50%	17%	21%
		\$3,602					4.1x 1.3x	2.ox 1.0x	57.4X NM	13.7X NM	49% 81%	30%		
Vacasa, Inc.	\$7.18	\$1,542	\$353	\$1,189	\$889	\$1,159	1.3X	1.UX	INIVI	INIVI	81%	30%	(3%)	(1%
				I	RE Sharing E	conomy / Trav	el							
				-	Mean:		4.1x	2.7x	28.1x	13.3x	64%	44%	13%	18%
				1	Median:		3.5x	2.4x	30.2x	13.7x	63%	44%	14%	21%
Broader Data														
Moody's Corporation	\$304.01	\$56,010	(\$6,679)	\$62,689	\$6,218	\$6,227	10.1x	10.1x	20.2x	21.3x	16%	0%	50%	47%
Experian plc	\$33.91	\$30,986	(\$4,368)	\$35,354	\$5,925	\$6,602	6.0x	5.4x	17.0x	15.1x	15%	11%	35%	35%
Equifax Inc.	\$208.23	\$25,474	(\$5,613)		\$4,924	\$5,205	6.3x	6.0x	18.6x	16.9x	19%	6%	34%	35%
TransUnion	\$85.05	\$16,364	(\$4,819)		\$2,960	\$3,870	7.2x	5.5x	18.3x	14.9x	17%	31%	39%	37%
Fair Isaac Corporation	\$362.67	\$9,405	(\$1,668)	\$11,073	\$1,326	\$1,399	8.3x	7.9x	19.3x	16.8x	1%	5%	43%	47%
· · · · · · · · · · · · · · · · · · ·														
				<u> </u>	Broader Data									
				r	Mean:		7.6x	7.0x	18.7x	17.0x	14%	11%	40%	40%
				1	Median:		7.2x	6.0x	18.6x	16.8x	16%	6%	39%	37%

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### Leading Independent, Global Advisory Firm



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### Houlihan Lokey Is the Trusted Advisor to More Top Decision-Makers Than Any Other Independent Global Investment Bank

#### 2021 M&A Advisory Rankings Global Technology Transactions

	Advisor	Deals				
1	Houlihan Lokey	124				
2	PricewaterhouseCoopers	118				
3	Goldman Sachs	114				
4	KPMG	108				
5	JP Morgan	91				
Source: Refinitiv.						

#### 2021 Investment Banking Rankings All Global Transactions

	Advisor	Deals			
1	Houlihan Lokey	549			
2	Goldman Sachs	511			
3	JP Morgan	508			
4	Rothschild	437			
5	Morgan Stanley	393			
Source: Refinitiv. Excludes accounting firms and brokers.					

No. 1 Global M&A Advisor

# No. 1

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# No. 1

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Transactions Completed Valued at More Than \$3.0 Trillion Collectively

1,000+

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$\bigcirc$	Mergers and Acquisitions	Ľ
	Capital Markets	
Corporate	Private Funds Advisory	
Finance	Board Advisory Services	
2	Company Advisory	1
- <del>F</del>	Special Situations	
白白白	Distressed M&A	
Financial	Liability Management	
Restructuring	Creditor Advisory	
3	Portfolio Valuation and Fund Advisory	1
	Transaction Opinions	
	Corporate Valuation Advisory Services	
Financial and	Transaction Advisory Services	
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