

Real Estate & Property Technology Sector Update

Harris Williams | Q3 2022 Report

Real Estate & Property Technology Observations and Key Trends

Digital transformation across key points of the property life cycle is driving technology adoption.

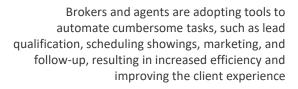
Happening in Real Estate & Property Technology Right Now



Enhance and Streamline the Property Buying Experience

Buyers of both residential and commercial properties are leveraging digital listing platforms and marketplaces to discover properties and streamline the acquisition process

Digitize Broker and Agent Workflow







Unification of Best-in-Class Point Solutions

Vibrant and growing ecosystem of best-in-class point solutions that integrate into core systems, enabling customers to address unique challenges and drive efficiencies across their businesses

Deliver Best-in-Class Tenant Experience

Landlords are leveraging data insights and mobile solutions to differentiate the tenant experience, from leasing to renewal. Improving the tenant experience is key to driving retention and reducing vacancies





Improve Net Operating Income (NOI)

Property owners are leveraging technology to increase efficiency and drive greater profitability, using tools to unlock new revenue, increase team (brokerage, agent, leasing, development, etc.) satisfaction and productivity, and make data-driven investment decisions

Drive Sustainability Initiatives

Owners and managers are seeking to understand the sustainability of their properties, reducing their carbon footprints and increasing the efficiency of building infrastructure





Perspectives on Real Estate & Property Technology

Residential



Solutions that enable agents, brokers, or home-seekers to engage across entire home-search, purchase, and close life cycle

Property Discovery · Broker / Agent Tools · Financing and Mortgage · Homeowners Association · Home Services · Data and Analytics

Select Market Participants

BoomTown!













∴:rentsync



Key Trends

- Digitization of the home buying experience is streamlining the discovery process and enabling brokers / agents to more efficiently execute transactions from lead to close
- Homebuyers are migrating online and adopting data-driven solutions that simplify the entire home purchasing process

Commercial



Solutions that enable investment in – and monitoring and operation of – commercial real estate properties

Property Discovery · Broker / Agent Tools · Sustainability Tools · Investor Management · Data and Analytics

Select Market Participants









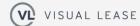












Key Trends

- Flexible workforces emerging from COVID-19 require sophisticated workspace management tools that optimize space utilization
- Property managers and investors are acutely focused on driving sustainability across their property footprint while improving operational efficiencies

Property Management



Solutions that enable and enhance property operations, experience, and vendor relationships across multi-tenant properties

Marketing and Communications · Payments and Accounting · Utility and Vendor Management · Tenant Experience · Landlord and Tenant Screening · Lease Management · Workforce Management

Select Market Participants





entrata inhabit













Kev Trends

- The housing shortage and rising cost of home ownership are driving demand for multi-family and mixed-use properties, and the technology needed to manage and grow property portfolios
- Integration and interoperability of core platforms with best-ofbreed point solutions driving adoption across every aspect of the property life cycle



What We're Reading

How Consumer Behavior Is Driving Change in PropTech

Nuveen

Real Estate has traditionally been slow to adapt to changes in technology; however, due to COVID-19, changes in consumer behavior have accelerated technological adoption. The rise of e-commerce channels, demand for flexible tenant services and payment options, and virtual tours are driving long-term investment opportunities in this emerging space.

Read the full article here.

There's Still No Amazon for Housing, but Fintech's Working On It

Bloomberg

While online retailers were able to convince consumers to make purchases online for other products, the real estate market has yet to earn consumer confidence and crack the code. With about \$2 trillion worth of homes changing hands in a typical year, PropTech companies aiming to make small parts of the transaction easier have a lucrative opportunity.

Read the full article <u>here</u>.

The Return of Neighborhood Retail and Other Surprising Real Estate Trends

TechCrunch

The pandemic-induced shift towards remote work has flipped the dynamic between commercial landlords and renters. Landlords are now facing pressure to provide tenants with a multichannel work experience in addition to a physical space. With reduced retail property rent prices and pent-up consumer demand for in-person experiences, the physical retail economy is poised for rapid growth.

Read the full article <u>here</u>.

'Difficult Backdrop' Fails To Slow PropTech Investment

PlaceTech

Venture funding for real estate startups hit a record \$4B in Q1 2022 despite broader market volatility and relatively poor performance of public comps. Investor confidence is buoyed by significant tailwinds and a landscape ripe for disruption, with 70% of investors expecting to invest more in PropTech over the next 12 months.

Read the full article here.

Recent Harris Williams Publications

Architecture, Engineering, and Construction Software

Q2 2022 Sector Update



Link to Read

Industrial Technology: Smart City & Mobility Tech Q1 2022 Update

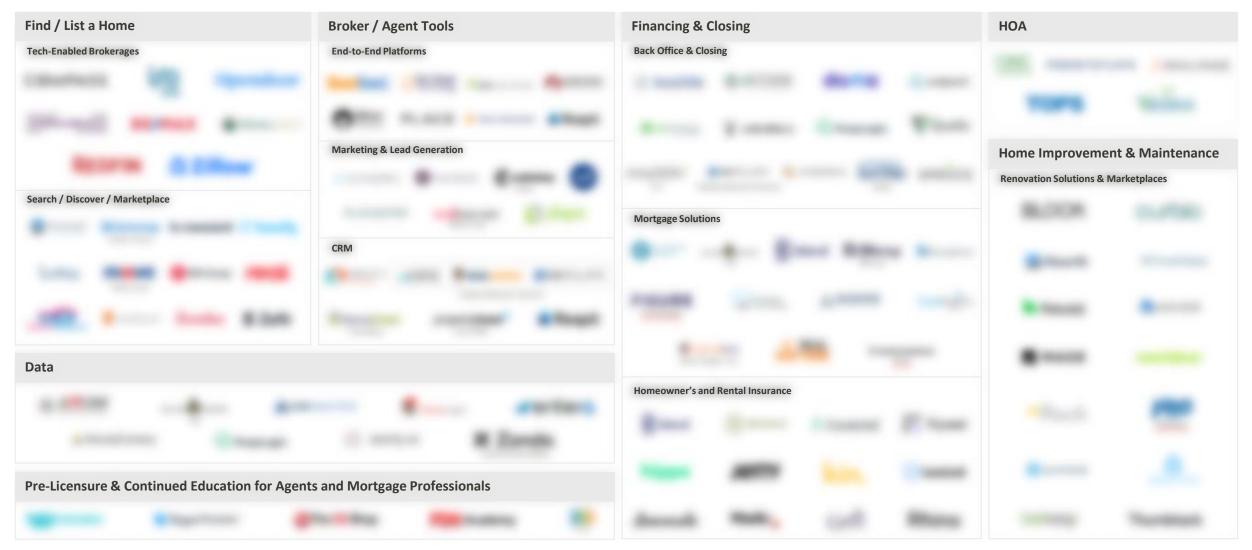


Link to Read

Access All HW Insights Here

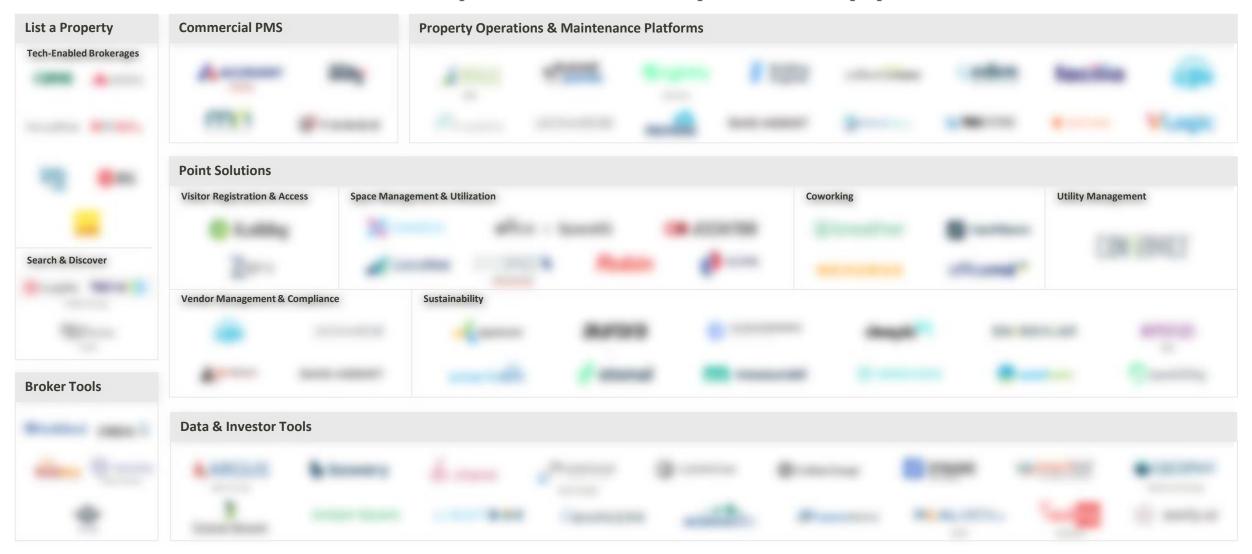
Tech AEC/RE@harriswilliams.com

Highly fragmented market benefiting from accelerating adoption of technology at every phase of the home journey.



Tech AEC/RE@harriswilliams.com

Broad universe of solutions that enable investors and operators to find, underwrite, operate, and market properties.

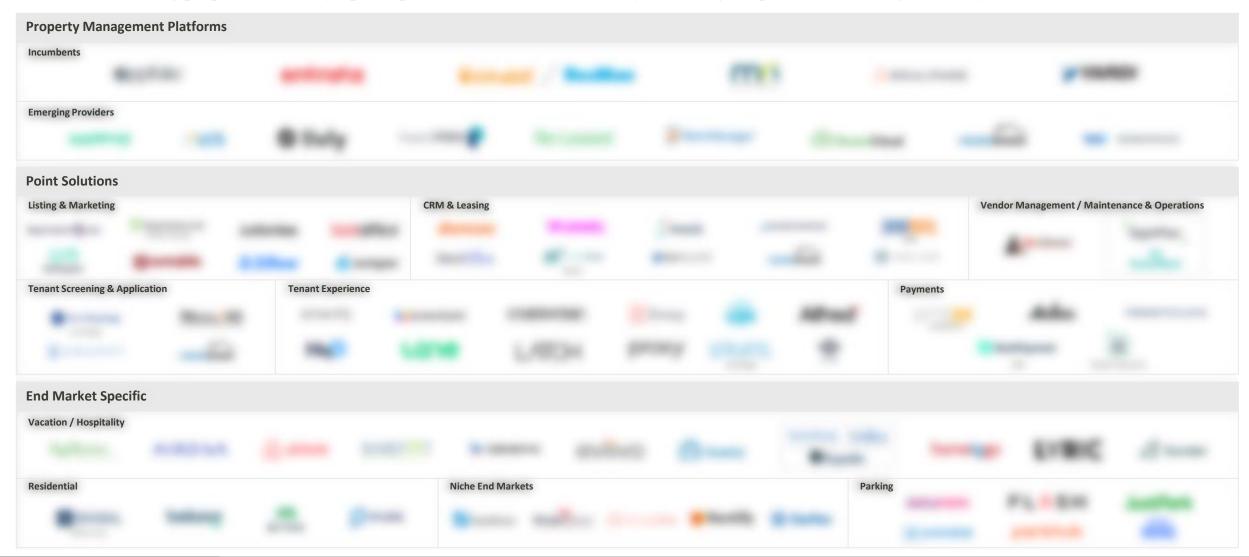


Property Management Landscape

To view full market map, please contact:

Tech AEC/RE@harriswilliams.com

Focus on increasing property efficiency, space optimization, and sustainability is driving adoption of technology industry-wide.



Select Q2 2022 Real Estate & Property Technology Transactions

Siemens' acquisition of Brightly



Target

SIEMENS

Buyer

June 27, 2022

EV: \$1.6B

EV / Revenue: 8.9x EV / ARR: 10x

- Brightly provides cloud-based asset and maintenance management software with a suite of enterprise tools to track assets, enable clients to mitigate risks, anticipate costs, and effectively manage
- The acquisition expands Siemens software offerings and accelerates its efforts to digitize and optimize the built environment through connected assets and real-time data

Tango's acquisition of billie App





Buyer

June 1, 2022

Purchase Price Not Disclosed

- billie is a mobile-first solution that uses gamification to engage employees, enables hybrid work environments, and provides real-time feedback from team members
- Tango's acquisition expands its employee facing solutions through billie's productivity and culture-enhancing tools

Altus Group's acquisition of Rethink Solutions



Target

Altus Group

Buyer

May 1, 2022

Purchase Price Not Disclosed

- Rethink solutions is a property tax management software platform designed to deliver tax assessment capabilities, including automation of property tax data, for multi-property portfolios
- The acquisition brings Altus Group a complementary software offering, property tax-focused technical talent, and strong customer relationships

MRI's acquisition of PropertySuite



Target



Buyer

June 16, 2022

Purchase Price Not Disclosed

- PropertySuite is a cloud-based solution that integrates relationship management, media and marketing management, and transaction and financial management into one platform for real estate agencies
- MRI's acquisition expands its presence in New Zealand and augments its mobile-friendly marketing, website
 design, and media publishing tools

ICE's acquisition of Black Knight



Target



May 5, 2022

EV: \$13.1B

- Black Knight is a software, data and analytics company that serves the housing finance continuum, including real estate data, mortgage lending and servicing, and the secondary markets
- The addition of Black Knight's technology solutions, real estate and mortgage-related data assets, leading analytics, and professionals complements and strengthens ICE's rapidly growing mortgage technology business

Measurabl's acquisition of Hatch Data





April 21, 2022

Purchase Price Not Disclosed

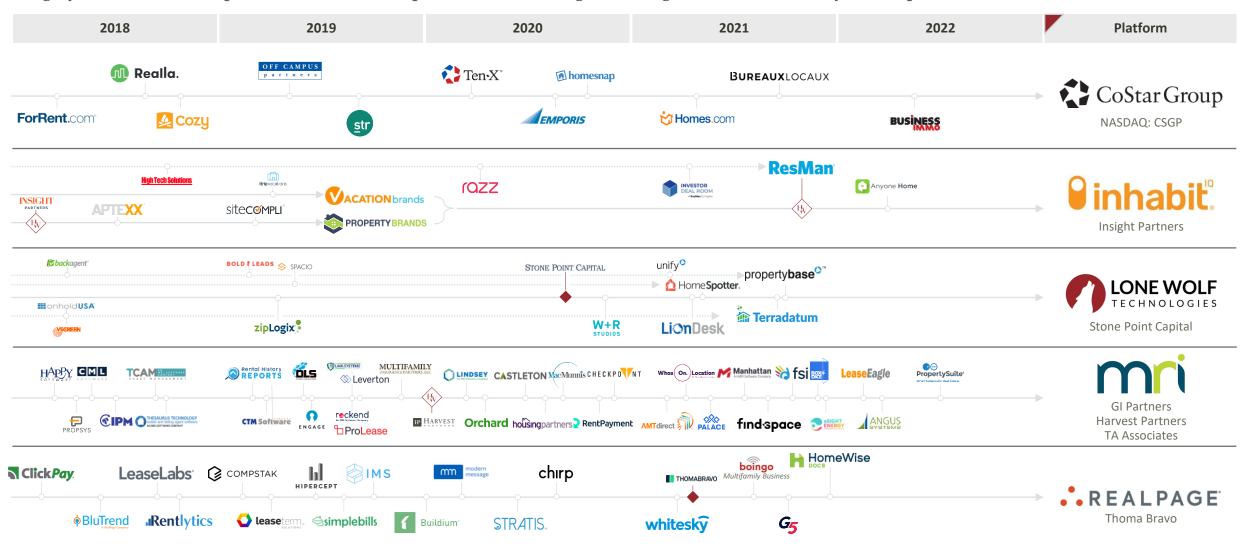
Target

Buyer

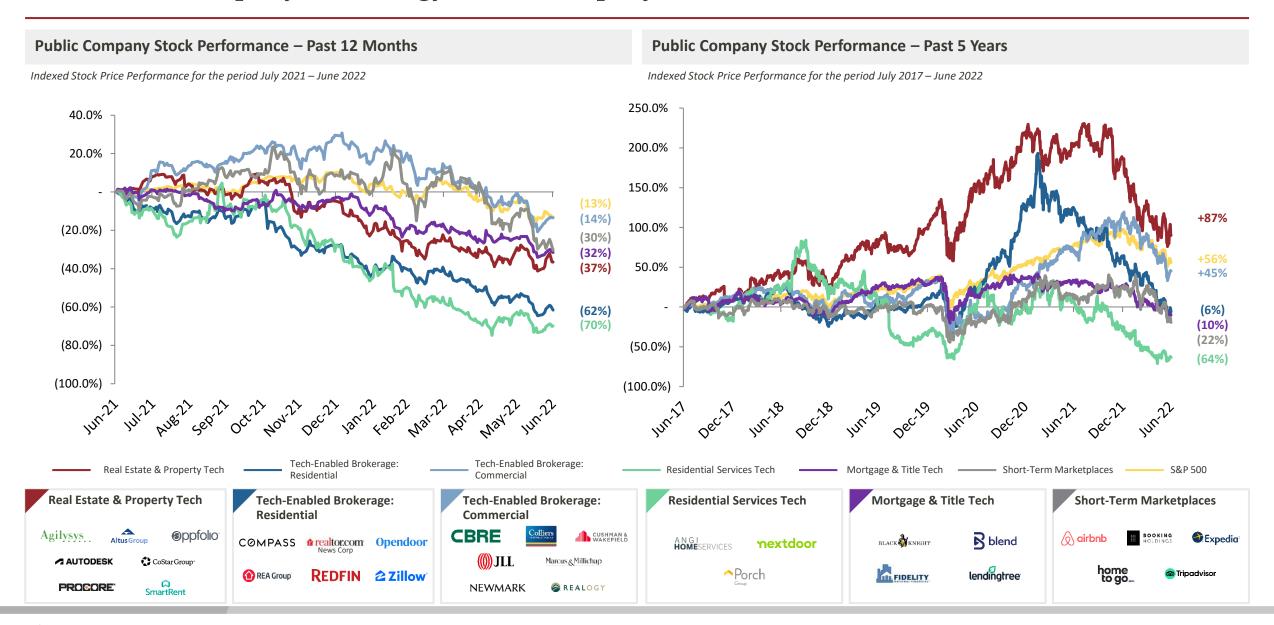
- Hatch Data is the leading decarbonization platform for real estate, improving ESG reporting and asset performance for 500M+ sqft of building space in over 2,500 properties
- · Measurabl's acquisition extends its impact beyond the portfolio level to engage directly with property operators

Select Real Estate & Property Tech Consolidation Platforms

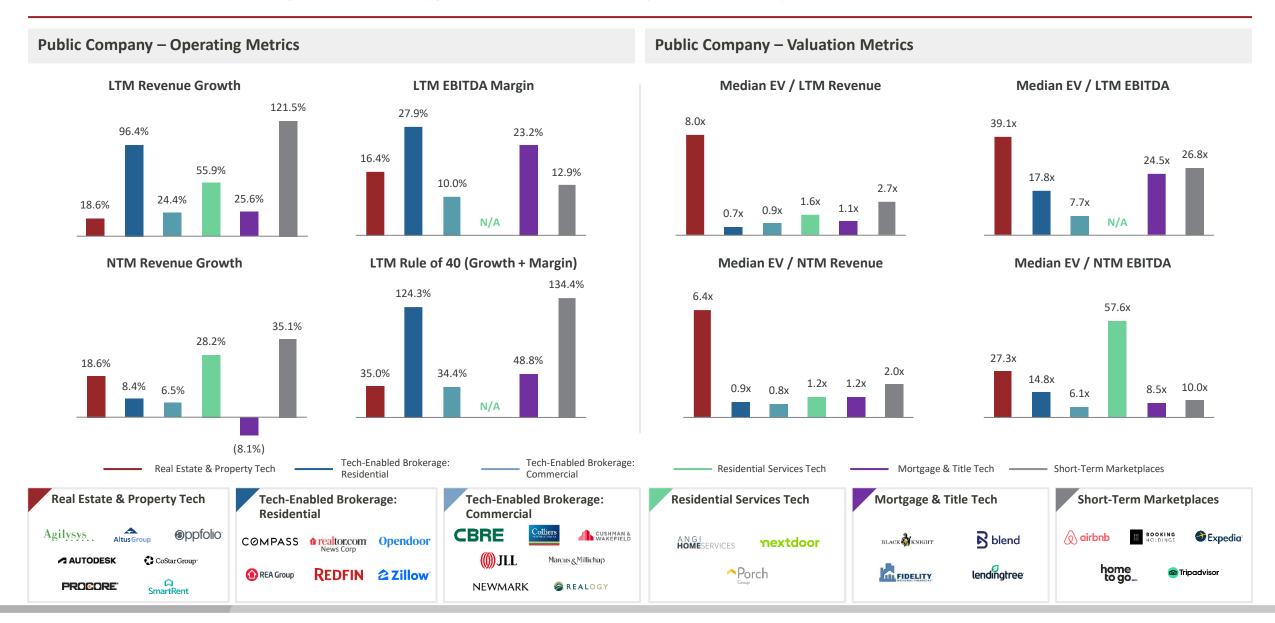
Highly active and well-capitalized consolidation platforms have emerged, driving further M&A activity in the space.



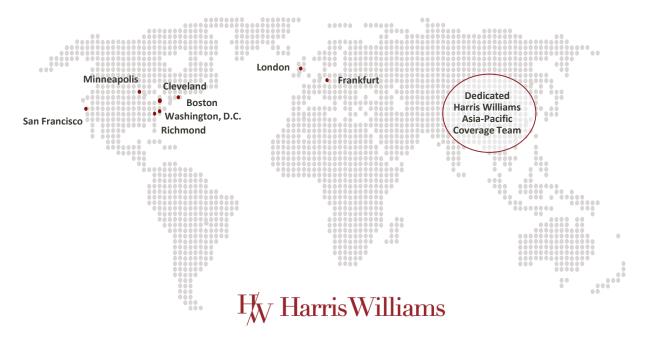
Real Estate & Property Technology Public Company Trended Stock Performance



Real Estate & Property Technology Public Company Operating and Valuation Metrics



Harris Williams: At a Glance











- 30 years and thousands of deals closed
- 100% of revenue is from M&A advisory
- 70% of revenue from repeat clients
- 8 offices across the U.S. and Europe
- 10 Industry Groups with deep sector expertise

The Harris Williams Technology Group

55+ closed technology transactions since January 2020

Technology Coverage Areas

Infrastructure & Security Software • Application Software • **IT & Managed Services**

Sector Coverage Areas

Architecture, Engineering, and Construction • Compliance • eCommerce & Retail • Education Government & Public Sector • Healthcare • Human Capital Management • Industrial

Legal • Office of the CFO • Pharma • Real Estate & Property • Supply Chain & Logistics

Thematic Focus Areas

SaaS/Cloud • Integrated Payments • Digital Transformation • Al/Machine Learning

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Select Harris Williams Real Estate & Property Technology Experience

Selected Real Estate & Property Technology Transaction Experience









REAL ESTATE







GREYLION







has been acquired by









has been acquired by







Additional Property Services Transaction Experience









has been acquired by





has been acquired by





Additional HW Technology Group Recent Transactions



















GLOBAL EDUCATION



has recapitalized





has acquired





TAILWIND CAPITAL

has been acquired by





a portfolio company of



has been acquired by







has been acquired by





a portfolio company of



has been acquired by

novo holdings



















Harris Williams Capabilities and Locations



Harris Williams has a broad range of industry expertise, which creates powerful opportunities. Our clients benefit from our deep sector experience, integrated industry intelligence and collaboration across the firm, and our commitment to learning what makes them unique. For more information, visit our website at www.harriswilliams.com.



Aerospace, Defense & Government Services



Business Services



Building Products & Materials



Consumer



Energy, Power & Infrastructure



Healthcare & Life Sciences



Industrials



Specialty Distribution



Technology



Transportation & Logistics

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Sources and Disclosures

Sources

- S&P Capital IQ
- Pitchbook
- Mergermarket

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Appendix



Public Market Operational & Valuation Metrics

As of June 30, 2022										
\$ in Thousands	Market	Enterprise	% of 52-Week	LTM	LTM	Enterprise Value/				
Company	Capitalization	Value	High	Gross Margin	EBITDA Margin	LTM Revenue	NTM Revenue	LTM EBITDA	NTM EBITDA	
			Real Estate &	Property Tech						
Autodesk, Inc.	\$37,169,843	\$38,637,843	49.7%	91.5%	19.7%	8.5x	7.5x	43.0x	20.1x	
CoStar Group, Inc.	23,817,102	21,000,723	59.5%	81.8%	29.8%	10.5x	9.3x	35.3x	34.5x	
Procore Technologies, Inc.	6,134,266	5,638,124	41.6%	80.2%	NM	10.1x	7.9x	NM	NM	
AppFolio, Inc.	3,146,217	3,075,269	62.1%	60.1%	NM	8.0x	6.4x	NM	NM	
Altus Group Limited	1,540,290	1,802,092	61.7%	35.2%	13.2%	3.4x	3.1x	26.0x	16.0x	
Agilysys, Inc.	1,156,871	1,106,063	78.9%	62.4%	7.0%	6.8x	5.7x	96.7x	37.5x	
SmartRent, Inc.	876,063	598,060	29.6%	-11.2%	NM	4.6x	2.1x	NM	NM	
Median	\$3,146,217	\$3,075,269	59.5%	62.4%	16.4%	8.0x	6.4x	39.1x	27.3x	
			Tech-Enabled Brok	erage: Residentia	al					
REA Group Limited	\$10,182,027	\$10,435,863	61.9%	63.1%	42.8%	11.3x	12.2x	26.4x	20.1x	
News Corporation	9,096,730	12,165,730	58.9%	51.0%	13.0%	1.2x	1.2x	9.2x	7.0x	
Zillow Group, Inc.	7,788,305	6,875,305	25.4%	16.9%	NM	0.6x	2.6x	NM	9.6x	
Opendoor Technologies Inc.	2,933,209	5,944,209	18.5%	9.4%	NM	0.5x	0.3x	NM	20.0x	
Compass, Inc.	1,526,702	1,668,002	20.1%	94.3%	NM	0.2x	0.2x	NM	NM	
Redfin Corporation	877,217	1,672,936	12.5%	19.3%	NM	0.7x	0.7x	NM	NM	
Median	\$5,360,757	\$6,409,757	22.7%	35.1%	27.9%	0.7x	0.9x	17.8x	14.8x	
			Tech-Enabled Brok	erage: Commerci	al					
CBRE Group, Inc.	\$23,495,263	\$27,023,312	66.1%	22.4%	7.9%	0.9x	0.8x	11.8x	8.3x	
Jones Lang LaSalle Incorporated	8,644,356	11,838,756	63.2%	73.5%	13.2%	1.0x	1.1x	7.6x	7.7x	
Colliers International Group Inc.	4,781,436	6,529,626	70.4%	37.7%	13.0%	1.5x	1.4x	11.6x	9.9x	
Cushman & Wakefield plc	3,403,258	6,443,158	64.1%	21.2%	8.5%	0.7x	0.6x	7.7x	5.8x	
Newmark Group, Inc.	1,772,229	3,481,220	50.3%	100.0%	6.3%	1.1x	1.1x	17.8x	5.5x	
Marcus & Millichap, Inc.	1,425,590	965,490	62.9%	35.2%	16.1%	0.7x	0.6x	4.2x	4.1x	
Anywhere Real Estate Inc.	1,161,495	4,419,495	46.7%	39.8%	10.0%	0.5x	0.6x	5.5x	6.1x	
Median	\$3,403,258	\$6,443,158	63.2%	37.7%	10.0%	0.9x	0.8x	7.7x	6.1x	



Public Market Operational & Valuation Metrics (Cont.)

As of June 30, 2022									
\$ in Thousands	Market	Enterprise	% of 52-Week	LTM	LTM	Enterprise Value/			
Company	Capitalization	Value	High	Gross Margin	EBITDA Margin	LTM Revenue	NTM Revenue	LTM EBITDA	NTM EBITDA
			Residential S	Services Tech					
Angi Inc.	\$2,283,141	\$2,397,653	30.5%	78.6%	NM	1.4x	1.2x	NM	57.6x
Nextdoor Holdings, Inc.	1,277,131	632,277	17.8%	84.9%	NM	3.0x	2.4x	NM	NM
Porch Group, Inc.	252,799	369,383	9.3%	67.6%	NM	1.6x	1.1x	NM	NM
Median	\$1,277,131	\$632,277	17.8%	78.6%	NA	1.6x	1.2x	NA	57.6x
			Mortgage 8	& Title Tech					
Fidelity National Financial, Inc.	\$10,335,506	\$9,864,506	65.2%	57.9%	23.2%	0.6x	0.8x	2.7x	3.7x
Black Knight, Inc.	10,085,737	12,864,337	77.5%	46.1%	34.8%	8.5x	7.9x	24.5x	15.9x
LendingTree, Inc.	554,288	1,194,415	19.7%	94.7%	4.2%	1.1x	1.1x	25.4x	8.5x
Blend Labs, Inc.	543,140	313,186	11.1%	45.2%	NM	1.1x	1.4x	NM	NM
Median	\$5,320,012	\$5,529,460	42.5%	52.0%	23.2%	1.1x	1.2x	24.5x	8.5x
			Short-Term I	Marketplaces					
Booking Holdings Inc.	\$70,782,781	\$70,326,781	64.2%	82.2%	28.6%	5.6x	3.8x	19.7x	12.2x
Airbnb, Inc.	56,565,666	49,649,387	41.8%	80.9%	12.9%	7.5x	5.8x	58.2x	20.8x
Expedia Group, Inc.	14,817,467	18,826,467	43.3%	83.5%	7.3%	2.0x	1.5x	26.8x	7.1x
Tripadvisor, Inc.	2,476,849	2,642,849	43.0%	91.9%	NM	2.5x	1.7x	NM	7.8x
HomeToGo SE	372,140	307,276	26.2%	94.9%	NM	2.7x	2.0x	NM	NM
Median	\$14,817,467	\$18,826,467	43.0%	83.5%	12.9%	2.7x	2.0x	26.8x	10.0x
Total Comp Set Median	\$3,039,713	\$5,028,810	48.2%	62.8%	13.0%	1.6x	1.5x	19.7x	9.6x

