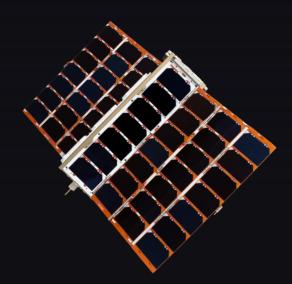
# **A**spire

**INVESTOR PRESENTATION** 



March 2021



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#### ADDITIONAL INFORMATION ABOUT THE PROPOSED BUSINESS COMBINATION AND WHERE TO FIND IT

The proposed business combination will be submitted to stockholders of NavSight for their consideration. NavSight intends to file a proxy statement (the "Proxy Statement") with the SEC, to be distributed to NavSight's stockholders in connection with NavSight's solicitation for proxies for the vote by NavSight's shareholders in connection with the proposed business combination and other matters as described in the Proxy Statement. After the Proxy Statement has been filed and declared effective, NavSight will mail a definitive proxy statement and other relevant documents to its stockholders as of the record date established for voting on the proposed business combination. NavSight's stockholders and other interested persons are advised to read, once available, the preliminary proxy statement and any amendments thereto and, once available, the definitive proxy statement, in connection with NavSight's solicitation of proxies for its special meeting of stockholders to be held to approve, among other things, the proposed business combination, because these documents will contain important information about NavSight, Spire Global and the proposed business combination. Stockholders may also obtain a copy of the preliminary or definitive proxy statement, once available, as well as other documents filed with the SEC by NavSight, without charge, at the SEC's website located at www.sec.gov or by directing a request to Robert Coleman (phone: (571) 500-2236).

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#### PARTICIPANTS IN THE SOLICITATION

NavSight, Spire Global and certain of their respective directors, executive officers and other members of management and employees may, under SEC rules, be deemed to be participants in the solicitations of proxies from NavSight's stockholders in connection with the proposed business combination. Information regarding the persons who may, under SEC rules, be deemed participants in the solicitation of NavSight's stockholders in connection with the proposed business combination will be set forth in NavSight's proxy statement when it is filed with the SEC. You can find more information about NavSight's directors and executive officers in NavSight's final prospectus filed with the SEC on September 9, 2020. Additional information regarding the participants in the proxy solicitation and a description of their direct and indirect interests will be included in NavSight's proxy statement when it becomes available. Stockholders, potential investors and other interested persons should read the proxy statement carefully when it becomes available before making any voting or investment decisions. You may obtain free copies of these documents from the sources indicated above.

## **PRESENTERS**









## SPIRE KEY INVESTMENT HIGHLIGHTS



High Growth SaaS Company, Powered by Proprietary, Space-based Data and Analytics Platform



Massive, Rapidly Growing Total Addressable Market



Recurring Revenue Model for Predictive Analytics and Data with Exceptional SaaS KPIs



Constellation Fully Deployed, Attractive Operating Profile, Clear Path to Profitability



Multiple Products across a Range of Industries, Supporting Net Zero and Climate Change Adaptation



Exceptional Management Team with Deep Domain Expertise and Staying Power

## TRANSACTION SUMMARY

## Transaction Structure

- Business combination between Spire Global, Inc. (the "Company" or "Spire") and NavSight, a NYSE listed SPAC
- Transaction expected to close in Q2 2021
- Post closing, the Company will maintain the Spire Global name and will be listed on the NYSE

#### Offering Size

- NavSight (NYSE: NSH) has ~\$230 million cash in trust
- Raised \$245 million in PIPE commitments (including \$10 million from NavSight's Sponsor)

#### **Valuation**

- Pro forma enterprise value of ~\$1.2 billion<sup>(1)</sup>
- 5.4x 2023E Revenue, representing a deep discount to peers

#### Illustrative Pro Forma Capital Structure

- Spire stockholders are rolling 100% of their equity in the transaction; Spire founders to receive super-voting shares (10:1)<sup>(2)</sup>
- Transaction assumes ~\$408 million of cash on Spire's balance sheet after transaction expenses<sup>(3)</sup>

#### Illustrative Pro Forma Ownership

- Existing Spire stockholders ~67%
- SPAC stockholders ~14%
- PIPE investors ~15%
- SPAC founders ~4%

<sup>(1)</sup> Excludes 8mm earnout shares issued to Spire stockholders in four equal tranches of 2mm each at share price thresholds of \$13, \$16, \$19 and \$22, and certain unvested employee stock options

Dual-class common stock structure to be implemented at closing

<sup>(3)</sup> Excludes the 11.5m warrants held by the SPAC stockholders and 6.6m warrants held by the SPAC sponsor. Assumes the repayment of outstanding debt and assumes no redemption of shares / cash in trust

## SPACE-BASED DATA, ANALYTICS AND INSIGHTS IS THE NEXT GREAT FRONTIER



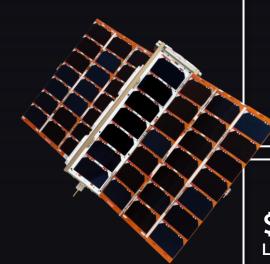
Inspire, Lead and Create the Business of Space-based Data

\$52 billion<sup>(1)</sup>

Space-based Data and Analytics TAM (2025E)



Pioneer the Space-as-a-Service Model



\$39 billion<sup>(1)</sup>

Orbital Services TAM (2025E)



Help Solve Some of Earth's Greatest Challenges

\$180-300 billion<sup>(1)</sup>

Long-term Market Opportunity For Weather Forecasting<sup>(2)</sup>

Report and analysis from consulting company

<sup>(2)</sup> Assumes \$0.9 - \$1.5 trillion of damages caused by climate change could be avoided through perfect weather forecasting and providers of perfect weather forecasts could expect to capture 20% of the value they provide to customer

## HOW SPIRE IS DIFFERENT - MODERN SaaS PLATFORM ENABLED BY PROPRIETARY SPACE TECHNOLOGY

		Launch Services	Telecoms	Earth Observation
Companies	∆spire	BLUE ORIGIN  **COMMETTED MARTIN**  **COMMETT	ASTRANIS CESH ECHOSTAR  Everywhere inmarsat Intersat  OneWeb ORBCOMM  SES  SWARM  To 10 8 & 1. Viasat  Viasat  Viasat	Aireon BLACK(SKY = feagleview @esri  GeoOptics HawkEye <sup>360</sup> HYPERSAT ICEYE  MAXAR TECHNOLOGISTS Orbital Insight Planet. PLANETIQ
Subscription- Based Revenue				
Software-Driven Business Model				
Vertically Integrated Products and Solutions				
Multi-Purpose Constellation		NA		
Capacity Constrained?	No	<b>Yes</b> # Launches	<b>Yes</b> Bandwidth	<b>Yes</b> Tasking

## **SPIRE AT A GLANCE**

change may be material

Spire collects spaced-based data using a proprietary constellation of multi-purpose LEMUR<sup>(1)</sup> nanosatellites

 SpireSight software analytics delivers proprietary data, insights and predictive analytics to customers as a subscription

- Vertically integrated with disruptive unit economics
- Highly technical workforce of ~250 employees, including ~140 engineers and scientists<sup>(3)</sup>
- Founded in 2012 with ~\$180 million of capital invested to-date from high quality strategic partners and investors

104%

YoY ARR Growth (2020P)

90%+ / 80%+

Non-GAAP Gross Margin / FCF Conversion<sup>(2)</sup> (2025E)

141 / 100%

Nanosats Launched / Earth Coverage

#### **Lead Investors**













145%

Customer NRR (2020P)

150+
Product Customers

~5<sup>®</sup>Terabytes

Of Data Processed per Day

#### **Strategic Investors**

Qualcomm





\$1.2bn

ARR (2025E)

100%

2020P-2025E Revenue CAGR

\$235k

Average ARR per Product Customer (2020P)

#### **Select Customers**



**NASA** 







US Air Force



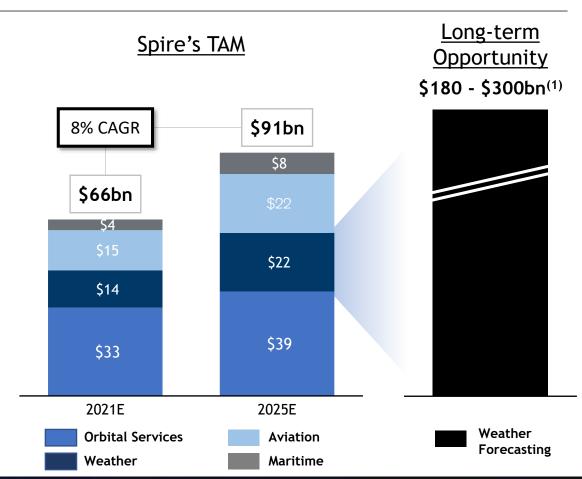


## THE SPACE-BASED DATA, ANALYTICS AND ORBITAL SERVICES MARKETS ARE LARGE AND RAPIDLY EXPANDING

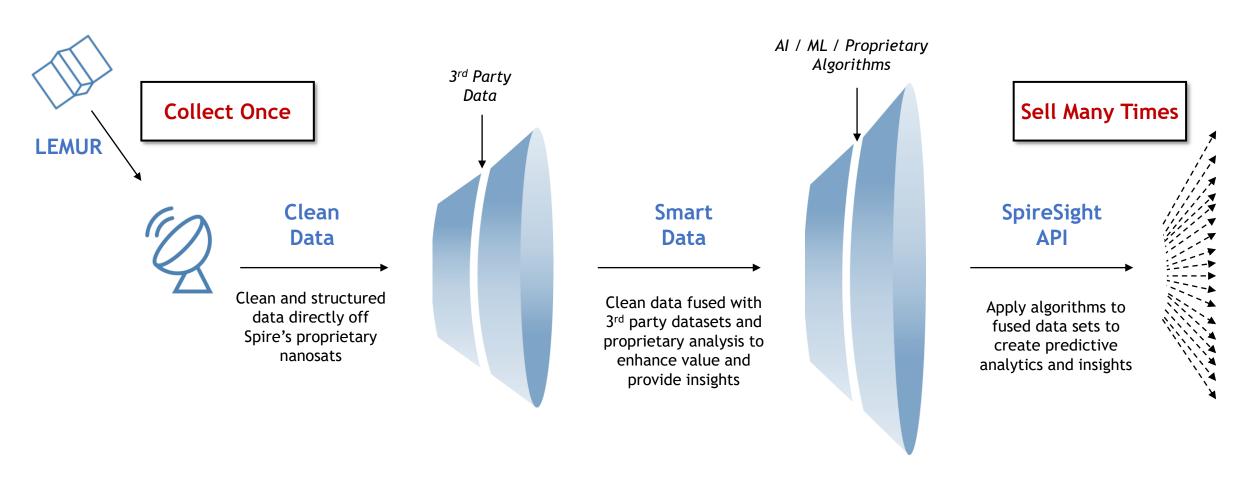
#### Factors Driving Market Growth and Expansion

- Significant, growing demand for space-based data, driven by rapidly growing adoption of data and analytics
- Advancements in AI/ML and Big Data analytics are increasingly essential in solving some of the world's most complex business challenges
- Rapidly expanding number of use cases and business models leveraging space-based data, insights and analytics across industries
- The opportunity for weather forecasting today is a fraction of its full potential: weather variability creates ~\$3 trillion of economic loss per year, which is expected to grow 60%+ by 2050 as a result of climate change

#### Spire's Addressable Market and Opportunity



## SPIRE TRANSFORMS PROPRIETARY DATA INTO VALUE-ADDED INSIGHTS AND PREDICTIVE ANALYTICS



Spire Collects Data from Space One Time and Can Sell it an Unlimited Number of Times

## SPIRE MONETIZES PROPRIETARY PRODUCTS ACROSS A BROAD AND GROWING RANGE OF INDUSTRIES



Precise space-based data, insights and predictive analytics used for highly accurate ship monitoring, ship safety and route optimization



Precise space-based data, insights and predictive analytics used for highly accurate aircraft monitoring, safety and route optimization



Precise space-based data, insights and predictive analytics used for highly accurate weather forecasting



Leverage Spire's proven, low risk development lifecycle and proprietary infrastructure to provide "Space-as-a-Service"

#### **Current and Target Industries**



Aerospace



Services

Agriculture

Insurance



Automotive



Logistics



Aviation



Maritime



Construction



Mining



Govt. (Civilian)



Oil & Gas



Govt. (Defense)



Real Estate



Academia



Scientific Research



Energy



Telecom /

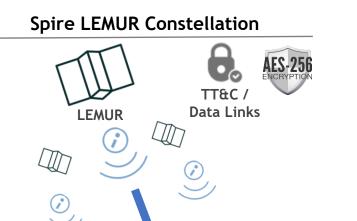


Fishing



Transportation

## SPIRE'S PROPRIETARY TECHNOLOGY STACK IS PROVEN, AT SCALE, AND FULLY OPERATIONAL



Dedicated

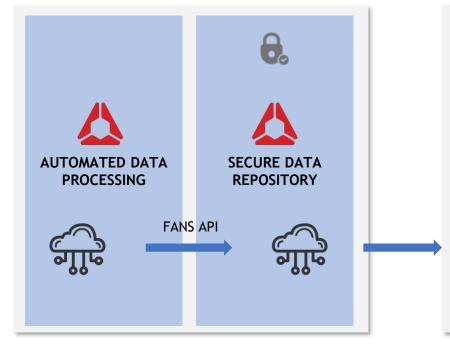
**VPN** 

**Spire Ground Stations** 

Collects space-based data and transmits to a proprietary ground station network

40k+ Average Nanosat Contacts / Month<sup>(1)</sup>

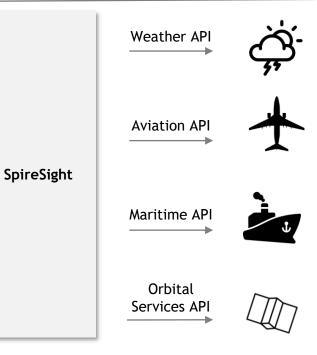
#### Spire Data Platform



Data moved from ground stations to proprietary data store for cleansing, standardization, fusion, and analysis — all without a human in the loop

> ~99.9% System Uptime<sup>(2)</sup>

#### **SpireSight Software Analytics**



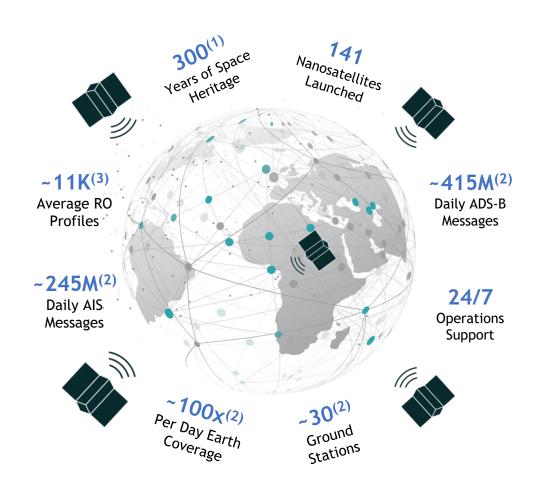
Customers receive proprietary data delivered seamlessly, in real-time via SpireSight API

> ~1 Terabyte Data Served to Customers / Day<sup>(3)</sup>



## SPIRE'S FULLY INTEGRATED MODEL DRIVES MEANINGFUL COMPETITIVE ADVANTAGES

LEMUR Nanosatellite Design & Assembly	<ul> <li>100% in-house to improve quality and rapidly increase capabilities</li> <li>Drives down unit production costs</li> <li>Rapid production: capable of 1 every ~2 days</li> </ul>
Software-defined Satellite Architecture	<ul> <li>Repurpose sensors and constellation on-orbit</li> <li>550+ unique software updates deployed to the fleet since 2016</li> </ul>
SpireSight Software Analytics	SpireSight data, algorithms and models, and a world-class workforce that possesses the scarce / esoteric skill sets to generate bespoke predictive analytics and solutions for customers
On-Orbit Edge Processing	<ul> <li>Ability to process multi-sensor data sets on-orbit</li> <li>Reduces bandwidth requirements, improves delivery speeds, and increases flexibility and autonomy</li> </ul>
Proprietary Ground Station Network	<ul> <li>Enhances system resiliency and security</li> <li>Accelerates collection-to-delivery, provides operational flexibility and foundation for Space-as-a-Service</li> </ul>
Global Licenses	<ul> <li>Maintain ~20 domestic, regional, and international licenses for space and ground-stations that are difficult to replicate and widen the competitive moat</li> </ul>



Space heritage is calculated as the sum of the years of service of all satellites launched

## SPIRE IS WELL POSITIONED IN THE MARKET

		Maritime		Aviation	Weather		Orbital Services	
	△spire	exactEarth	ORBC@MM	Aireon	GeoOptics	PLANETIQ .	AAC CLYDE SPACE	<b>G</b> OMspace
Proprietary Constellation								
Predictive Analytics								
Proprietary Ground Station Network								
In-house Satellite Design								
Satellite Design-to-Launch	3 - 6 months	>12 months	>12 months					
Multi-product Offering								

Source: Management's competitive assessment of each company

## SPIRE'S MULTI-PRODUCT OFFERING POSITIONS IT TO CROSS-SELL TO CUSTOMERS

#### **Use Case Examples**

#### Satellite AIS Data



- Tracking vessels around the globe
- Optimizing fuel efficiencies
- Monitoring illegal activities and compliances
- Analyzing commodity trading

#### Satellite ADS-B



- Regulatory compliance
- Flight tracking
- Estimated time of arrival and on-time performance
- Overflight fee
- Search and rescue
- Smart premium
- Corporate intelligence

#### RO Weather Data



- Protect physical assets like power lines from storm damage
- Maximize crop yields with optimal farm operations based on weather
- Minimize losses and enhance customer experience in insurance with advanced warning systems of inclement weather

#### **Characteristics**



Global coverage, in remote areas where terrestrial AIS and ADS-B are out of reach



Fast, real time data with low latency



**Easy integration** into customers' existing models and data systems

We believe we are the only player collecting all three datasets globally and simultaneously to combine them into its products



**High resolution** and large volume of global data

#### SPIRE ORBITAL SERVICES IS PIONEERING THE "SPACE-AS-A-SERVICE" MODEL

#### Spire is Disrupting the Satellite Value Chain with a Differentiated Customer Value Proposition

	Legacy Satellite Development	<b>△</b> spire
Development Cycle	3 - 5 Years	6 - 12 Months
Resilience	Low	High
Use of Modern Tech.	Low	High
Mission Flexibility	Low	High
Cost	~\$10M+	Starting at ~\$30K Per Month

- Space-as-a-Service offering provides fast, scalable and reliable access to space at a fraction of the cost and time
- Converting high upfront customer capex into lower opex
- Leveraging Spire's space heritage, vertically integrated capabilities and global space infrastructure to revolutionize how customers access space
- Spire's consistent launch schedule and in-house nanosat design and assembly allows customer sensors to go from design to launch-ready in 3 to 6 months

#### **Recent Customer Wins**

**Jacobs** 





## RECENT WINS DEMONSTRATE DIFFERENTIATED VALUE PROPOSITION

	Customers	Customer Requirements	Spire Solution	
AND THE RESERVE OF THE PROPERTY OF THE PROPERT		Improve Time Charter Equivalent and reduce emissions according to IMO rules	Vesselbot improved their Voyage Optimization system by including Spire Maritime products, achieving 10-15%	
± ±	<b>2N</b>	<ul> <li>Manage real-time ship and cargo capacity</li> </ul>	increase in TCE and 30% reduction in GHG emissions	
The state of the s	SATAVIA	<ul> <li>Manage risks and logistics of re-opening air travel during COVID-19</li> </ul>	Delivers comprehensive air traffic data that	
AVIATION	AERION SUPERSONIC	Reduce GHG emissions and enable boomless supersonic flight	SATAVIA utilizes to enable live monitoring and live updates on virus importation risk	
WEATHER	OLDENDORFF =	<ul> <li>Manage external factors that increase fuel consumption, CO<sub>2</sub> emissions and complicate time estimates</li> </ul>	Olendendorff utilized AIS tracking and weather data to locate vessels and better	
WEATHER	NASA	<ul> <li>Precise atmospheric and ionospheric data for weather and climate research</li> </ul>	manage external risk factors resulting in an 2.5% increase in accuracy of their fuel consumption model	
ODDITAL SEDVICES	Australian Government Office of National Intelligence	Custom, encrypted RF data for Five Eyes	Five Eyes National Intelligence Office received access to encrypted RF sensing	
URBITAL SERVICES	Orbitare	<ul> <li>Launch of IoT offering for European customers within 3 months</li> </ul>	capabilities on orbit within 10 months of signing a contract	

## SPIRE'S RAPID GROWTH RATE IS DRIVEN BY CONSIDERABLE UPSELL

#### **Blue Chip Customer Base**



















**7EMSA** 









**Orbitare** 









US Coast Guard US Air Force



150+ /  $\sim 30^{(1)}$ Product Customers / Countries

#### **Best-in-Class SaaS Metrics**

104% ARR Growth

(2020P)

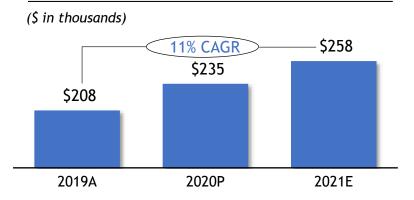
145%+

Customer Net Retention Rate (2020P)

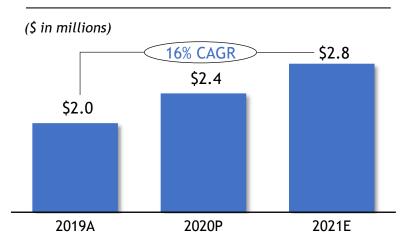
## <7 Months

Time to Payback Customer Acquisition Cost (2020P)

#### Average ARR per Product Customer Growth



#### Avg. ACV Bookings / Salesperson



#### SPIRE HAS A MULTI-PRONGED GROWTH STRATEGY



## Accelerate Market Capture with Investment in Sales, Marketing and Product Development

Hire Additional Sales Personnel, Increase External Marketing and Drive Product Development for Further Upsell



## **Expand Into New Geographies and Verticals**

• Establish Presence in Latin America and Middle East; Increase Presence in Existing Geographies



## **Expand Proprietary Data Sets and SpireSight Analytics Engine**

• Soil Moisture, Ionosphere, RF Monitoring, Spectrum Monitoring, EO/SAR Data Fusion, AI/ML for Weather

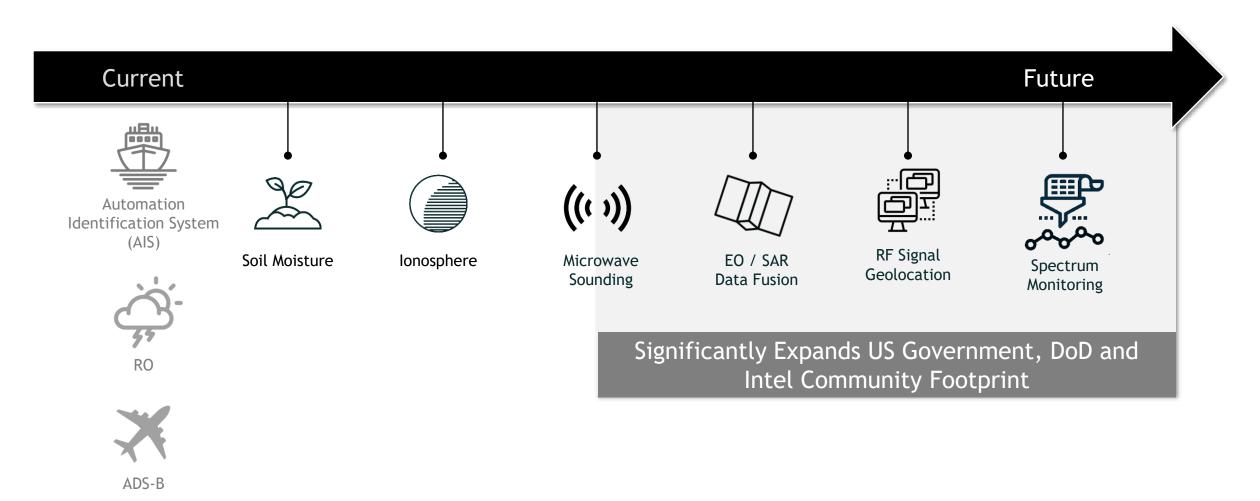


## Extend Capabilities through M&A

Acquire 3<sup>rd</sup> Party Data Providers, Cutting Edge Software Capabilities



## EXPANDING SPIRE'S PROPRIETARY DATA SETS WILL HELP DRIVE BETTER INSIGHTS, COMPETITIVE ADVANTAGE AND ADDITIONAL REVENUE OPPORTUNITIES



## EXCEPTIONAL MANAGEMENT TEAM WITH DEEP DOMAIN EXPERTISE



**Peter Platzer** CEO









**Tom Krywe** CFO **D¢LL**EMC jive <sub>an Aurea company</sub>



**Theresa Condor** EVP/GM, Orbital Services and El





Jeron Cappaert СТО







John Lusk VP, Data Business







Joel Spark VP, Space **AIRBUS** 



**Keith Johnson** VP, Federal







**Johnny Truong** VP, Engineering







**Ananda Martin** GC

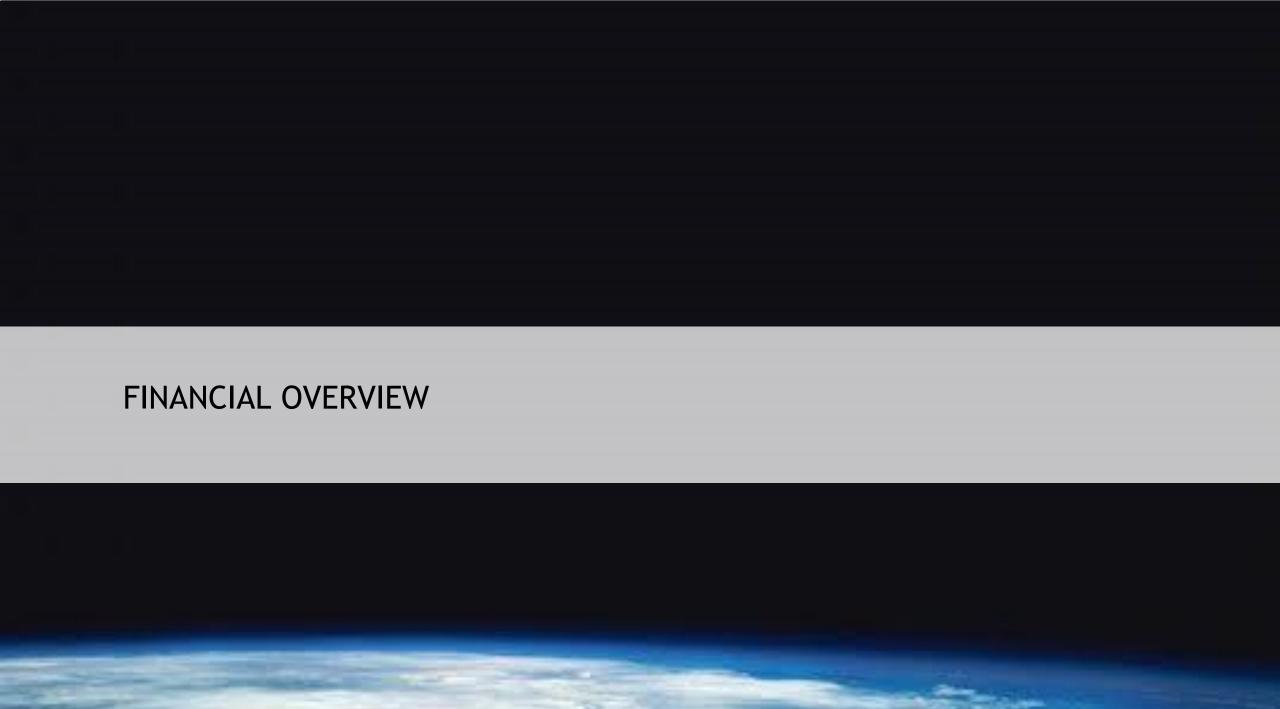






>20 years Average experience

>5 years Average with Spire



#### SPIRE KEY FINANCIAL HIGHLIGHTS



Recurring Revenue Model with Exceptional SaaS KPIs



Land and Expand Strategy Drives Revenue Visibility and NRR (~145% in 2020P)



Strong Growth in ARR Drives Top Line Momentum



Highly Scalable Model with 90%+ Gross Margins and 80%+ FCF Conversion<sup>(1)</sup> by 2025E



Clear Path to Profitability; Transaction Expected to Fully Fund the Growth Plan

## RECURRING REVENUE MODEL WITH EXCEPTIONAL SaaS KPIs

2020P Metrics

145% NRR

**97**% GRR

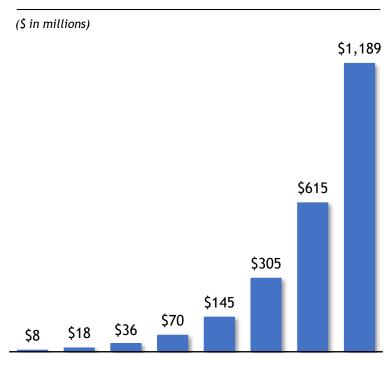
6.6 month **CAC Payback** 

16.4x CLTV / CAC

89% ARR to ACV **Bookings** 

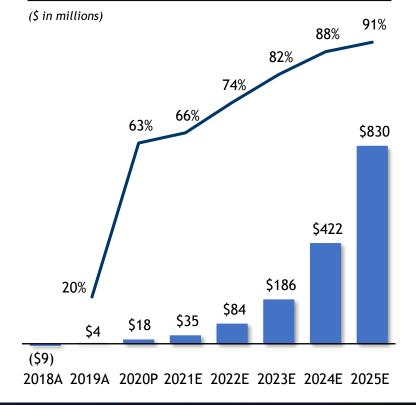
\$235K ARR / Customer 21 month Avg. Contract Length<sup>(1)</sup>

#### **Annual Recurring Revenue**

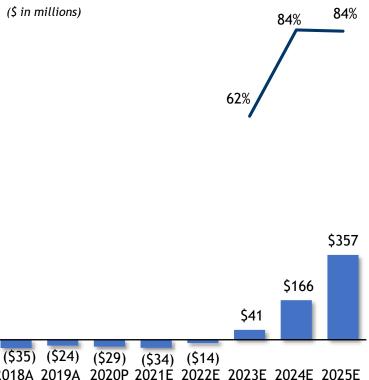


#### 2018A 2019A 2020P 2021E 2022E 2023E 2024E 2025E

#### Non-GAAP Gross Profit and Gross Margin %

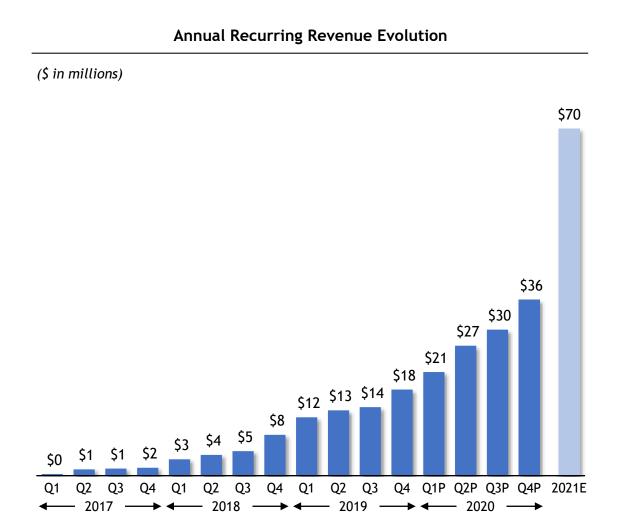


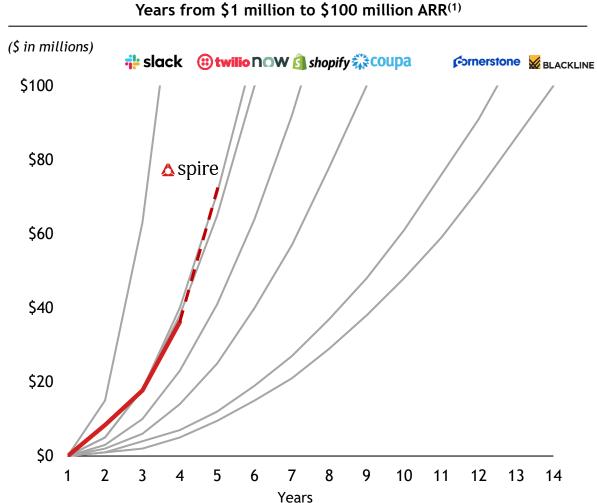
#### Free Cash Flow and FCF Conversion %(2)



2018A 2019A 2020P 2021E 2022E 2023E 2024E 2025E

## SPIRE'S ARR GROWTH COMPARES FAVORABLY WITH BEST-IN-CLASS SaaS COMPANIES



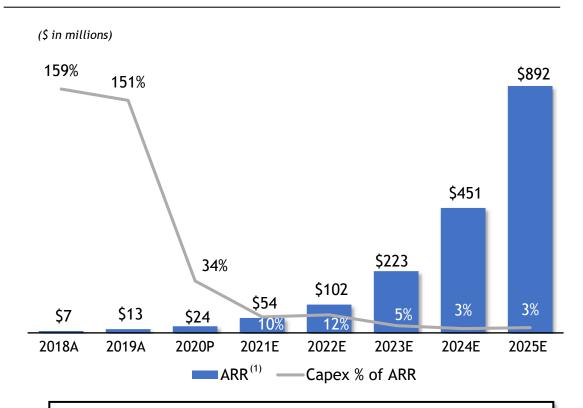


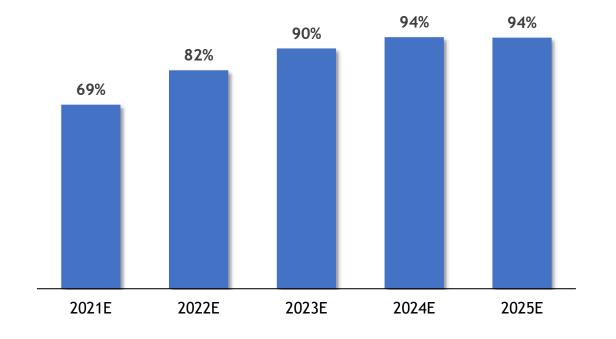


## SPIRE'S BUSINESS MODEL IS CAPITAL EFFICIENT WITH SIGNIFICANT OPERATING LEVERAGE



#### Spire's Incremental Gross Margin<sup>(2)</sup>





Limited Additional Capex Requirements Global space infrastructure in place

Attractive Operating Leverage Profile Driven by Spire's collect once, sell many times model

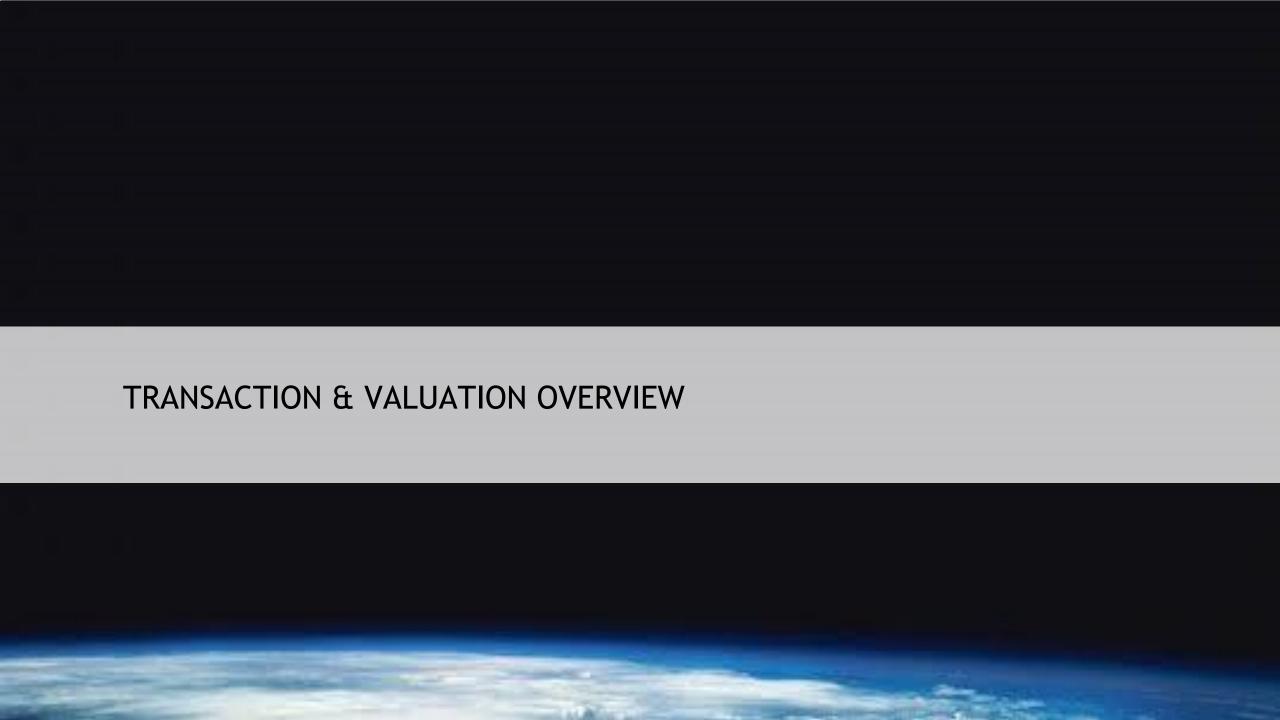
ected in our financial statements when they are completed and publicly disclosed. These preliminary results may change and any change may be material



## SPIRE NON-GAAP FINANCIAL SUMMARY

(\$ in millions)

FY 12/31	2018A	2019A	2020P	2021E	2022E	2023E	2024E	2025E
ASP for ARR (in thousands)	\$262	\$208	\$235	\$258	\$310	\$332	\$370	\$396
Total GAAP Revenue	\$6	\$18	\$28	<b>\$54</b>	\$114	\$227	\$478	\$913
% growth		203%	54%	<b>89</b> %	112%	99%	111%	91%
Gross Profit	(\$9)	<b>\$4</b>	\$18	\$35	\$84	\$186	\$422	\$830
% margin	NM	20%	63%	<b>66</b> %	74%	82%	88%	91%
(-) Research & Development	(\$12)	(\$17)	(\$20)	(\$28)	(\$40)	(\$55)	(\$96)	(\$146)
(-) Sales & Marketing	(4)	(5)	(10)	(19)	(32)	(58)	(105)	(201)
(-) General and Administrative	(9)	(10)	(12)	(14)	(18)	(23)	(45)	(91)
Operating Profit	(\$35)	(\$28)	(\$24)	(\$26)	(\$5)	\$51	\$175	\$392
% margin						22%	37%	43%
(+) D&A	11	13	5	8	11	16	22	33
Adj. EBITDA	(\$23)	(\$15)	(\$18)	(\$18)	\$6	\$66	\$198	\$425
% margin					5%	29%	41%	47%
(-) Capex	(12)	(9)	(10)	(16)	(20)	(25)	(31)	(68)
Free Cash Flow (FCF)	(\$35)	(\$24)	(\$29)	(\$34)	(\$14)	\$41	\$166	\$357
% FCF conversion						<b>62</b> %	84%	84%





#### TRANSACTION OVERVIEW

#### **Transaction Structure**

- NavSight Holdings (NYSE: NSH) is a publicly listed special purpose acquisition company with \$230 million cash held in trust
- Raised \$245 million in PIPE commitments (including \$10 million from NavSight)
- Pro forma enterprise value of ~\$1.2 billion
- Clear path to profitability and the transaction is expected to fully fund the Company's growth plan

#### **Illustrative Sources and Uses**

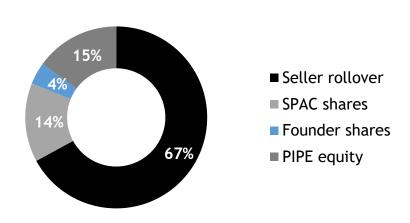
Sources	Amount
Seller Rollover	\$1,105
Cash in SPAC Trust	230
Cash from Spire Balance Sheet	51
PIPE Equity	245
Total Sources	\$1,631

Uses	Amount
Existing Spire Shareholders	\$1,105
Debt Repayment (1)	88
Cash to Spire Balance Sheet	408
Estimated Fees and Expenses	31
Total uses	\$1,631

#### Illustrative Pro Forma Capitalization

	Amount
PF Shares Outstanding	163.7
Share Price	\$10
PF Equity Value	\$1,637
(-) Assumed PF Net Cash	(408)
PF Enterprise Value To Market	\$1,230

#### Illustrative Pro Forma Ownership at Close



Note: Excludes 8mm earnout shares issued to Spire stockholders in four equal tranches of 2mm each at share price thresholds of \$13, \$16, \$19 and \$22, and approximately 13mm unvested employee stock options (on a post-transaction basis) to be assumed under the Incentive Plan. Also excludes the 11.5m warrants held by the SPAC stockholders and 6.6m warrants held by the SPAC sponsor

#### DEFINING THE PEER GROUP FOR SPIRE

**Vertical SaaS** 

- Leading vertical focused SaaS players
- Solutions created for specific industries, or unique data sets for many industries
- Clear path to profitability and strong operating leverage











**High Growth Data** and Predictive **Analytics** 

- Key beneficiaries of digital transformation with large market opportunity in big data, analytics and solutions
- Significant revenue scale and strong growth















**Emerging Space Technologies** 

- First movers in new categories
- Accessing the new space economy with different models

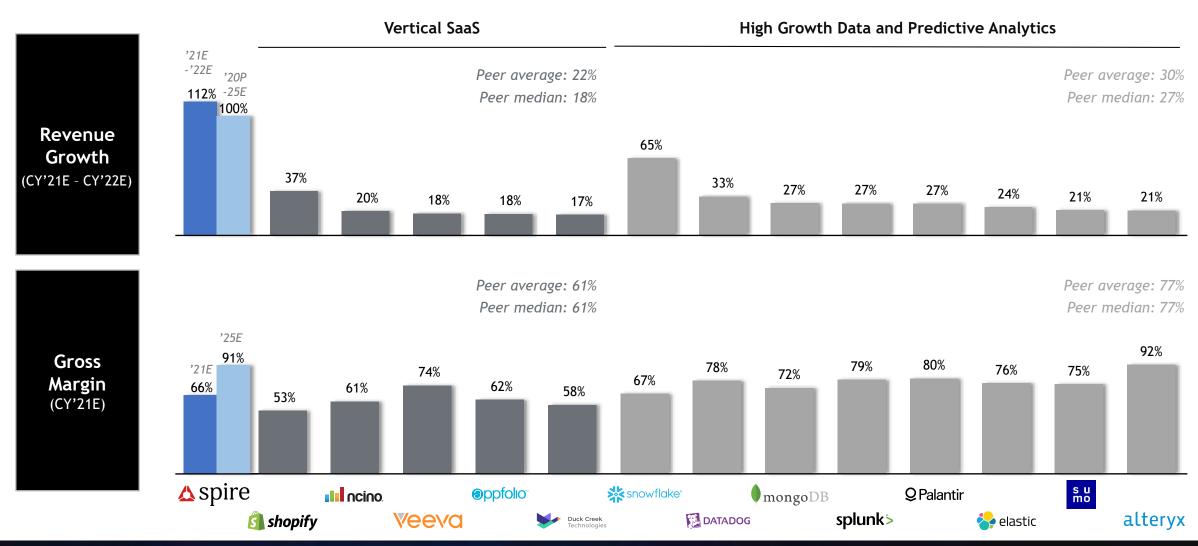






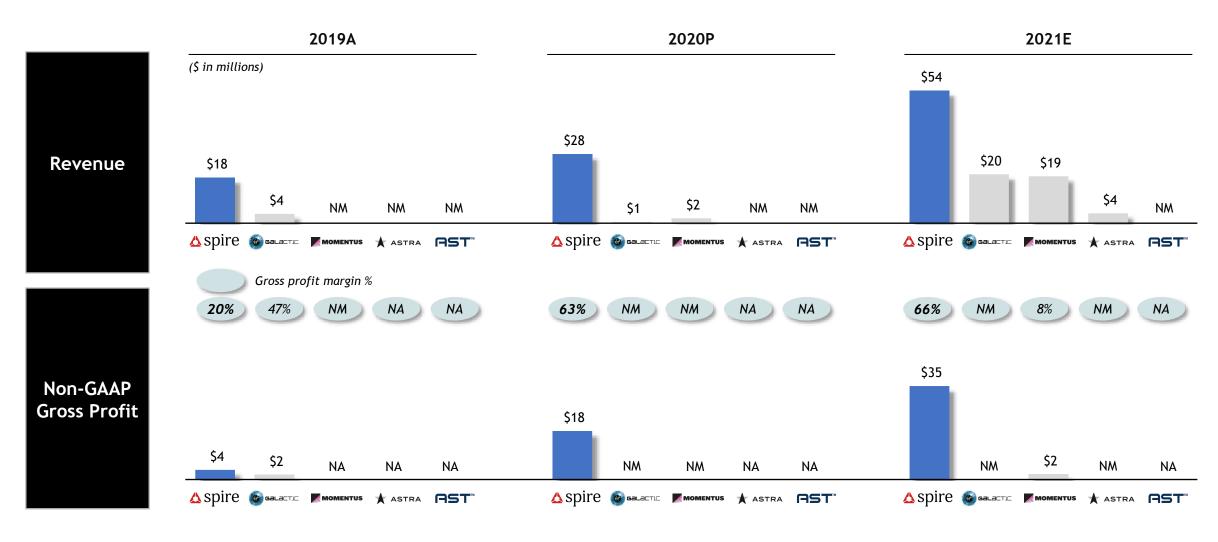


#### OPERATIONAL BENCHMARKING - VERTICAL SaaS AND HIGH GROWTH DATA / ANALYTICS

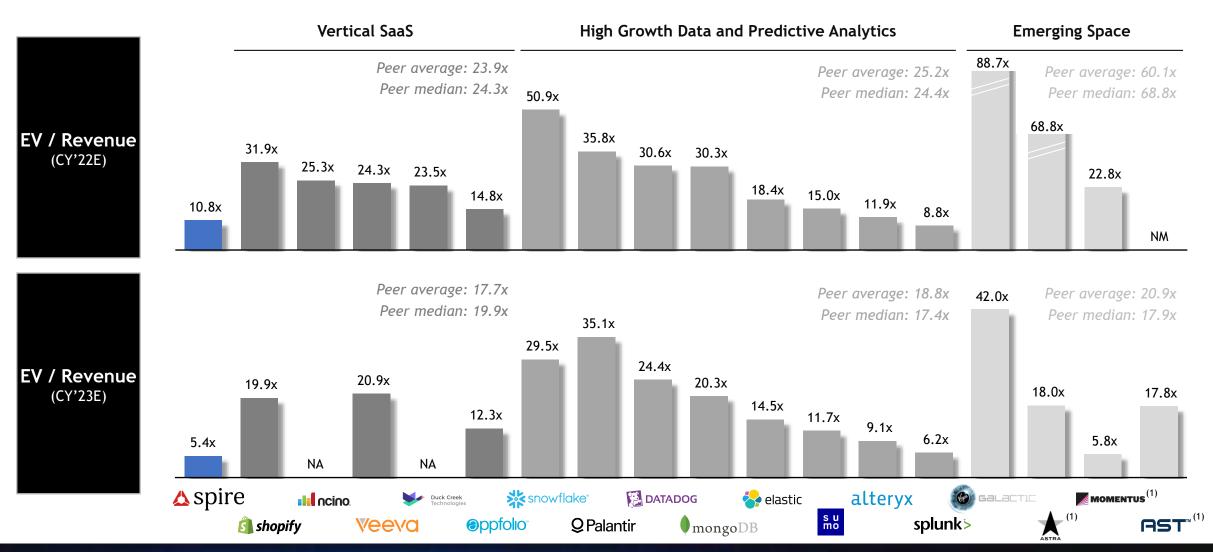


of the audits of our financial statements. As a result, these preliminary results may differ from the actual results that will be reflected in our financial statements when they are completed and publicly disclosed. These preliminary results may change and any change may be

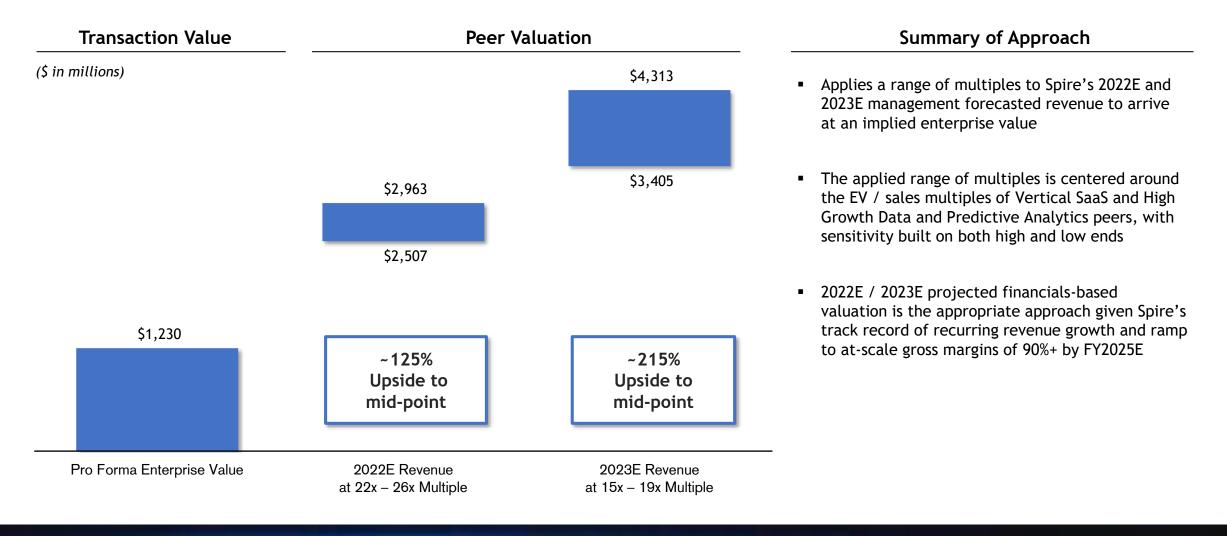
## OPERATIONAL BENCHMARKING - EMERGING SPACE TECHNOLOGIES



## PEER GROUP VALUATION BENCHMARKING



## TRANSACTION PRICED AT A DEEP DISCOUNT TO PEER MULTIPLES





## GLOSSARY / DEFINITIONS

ACV	Annual Contract Value: Amount of estimated revenue to be delivered in the first 12 months of customer contract	FCF Conversion	FCF / Adj. EBITDA
Average Contract Length	New customer total contract value bookings / contract length (dollar weighted)	GHG	Greenhouse Gases
ADS-B	Automatic Dependent Surveillance-Broadcast	GRR	Gross Retention Rate: ARR that was renewed (net of churn) divided into ARR up for renewal
Al	Artificial Intelligence	IMO	International Maritime Organization
AIS	Automation Identification System	ML	Machine Learning
API	Application Programming Interface		
ARR	Annual Recurring Revenue: Customer requires the products/services to support their on-going business; excludes all one-time business	NRR	Net Retention Rate: ARR that was renewed (net of churn) plus upsell divided into ARR up for renewal
ASP	Average Sales Price	RF	Radio Frequency
CAC	Customer Acquisition Cost: Associated sales and marketing costs spent on acquiring new customers / the number of new customers acquired	RO	Radio Occultation
CAC Payback	Time (in months) to payback customer acquisition costs; CAC / (Avg. ACV per account * non-GAAP gross margin)	SAR	Synthetic Aperture Radar
CLTV	Customer Lifetime Value: (ARR * non-GAAP gross margins) * estimated customer life (1 - GRR of 90%)	TCE	Time Charter Equivalent
EO	Electro Optical	TT&C	Telemetry, Tracking & Command
FCF	Free Cash Flow = Adj. EBITDA - Capex	VPN	Virtual Private Network

## RECONCILIATION OF NON-GAAP FINANCIALS

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FY 12/31	2018A	2019A	2020P
Revenue	\$6	\$18	\$28
(-) COGS	(15)	(15)	(11)
Gross Profit (GAAP)	(\$9)	\$4	\$18
(+) Stock Compensation	0	0	0
Gross Profit (Non-GAAP)	(\$9)	\$4	\$18

#### **Operating Profit Reconciliation**

2018A	2019A	2020P
(\$9)	\$4	\$18
(13)	(17)	(21)
(4)	(5)	(10)
(10)	(10)	(13)
(\$36)	(\$29)	(\$26)
2	2	2
(\$35)	(\$28)	(\$24)
	(\$9) (13) (4) (10) (\$36)	(\$9) \$4 (13) (17) (4) (5) (10) (10) (\$36) (\$29) 2 2

#### **EBITDA Reconciliation**

FY 12/31	2018A	2019A	2020P
Net Income (Loss) from Continuing Operations	(\$37)	(\$32)	(\$32)
(+) Depreciation & Amortization	11	13	5
(+) Net Interest and Other Income	1	3	6
(+) Taxes	0	0	-
EBITDA	(\$25)	(\$17)	(\$21)
(+) Stock Compensation	2	2	2
Adj. EBITDA	(\$23)	(\$15)	(\$18)
(-) CapEx	(12)	(9)	(10)
Free Cash Flow	(\$35)	(\$24)	(\$29)

## SPIRE'S PROPRIETARY LEMUR ("LOW EARTH MULTI-USE-RECEIVER") NANOSATELLITE

#### Standard, Mature Nanosatellite Bus Used to Host Multiple Sensors

Illustrative Size Comparison of a LEMUR

- LEMUR is a standard, mature nanosatellite bus, which is used to host all of Spire's data products
- Multiple sensors are hosted on each LEMUR nanosatellite, reducing the production cost for each data type and allowing optimization of data production across the entire fleet
- Spire owns the IP for its nanosatellite, allowing continuous improvements to the capability of both the bus as well as the hosted sensors
- All LEMURs are manufactured in-house by Spire in our end-to-end manufacturing facility, increases nanosatellite build quality and speed while lowering cost
- Full license to operate on a commercial basis in multiple jurisdictions





141

Nanosatellites Launched

25+

Spacecraft Iterations

300

Flight-Years Heritage

## SPIRE MARITIME

## **Superior Global Vessel Tracking Capabilities**



With ETA allows for more precise route calculations, optimal port management and refined forecasting

#### Vessels API

Combines the AIS messages into one static information into one report

## Historical positions API

Access to an archive of past positions for thousands of vessels

#### **Enhanced Vessel Data**

35 specialized fields of vessel information

## Messages API

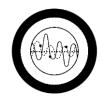
Entire cleansed AIS data feed



API and integrates positional data with



Global maritime coverage



Unique coverage in high traffic areas



Accurate - Easy-touse flexible APIs



All-in-one solution for maritime data analytics



Continuously growing infrastructure

## **SPIRE AVIATION**

## Terrestrial Only Coverage





Global Coverage including Remote Areas



Multiple APIs Allow Quick and Easy Data Queries

## Global Coverage with Satellite ADS-B





Easy Integration with Weather Data



100M+ ADS-B Position Updates Delivered Daily<sup>(1)</sup>

## SPIRE WEATHER

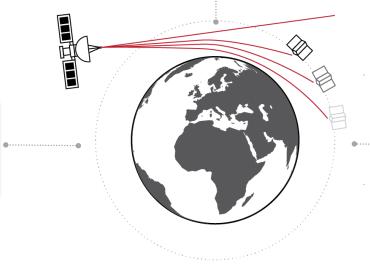
#### Enhancing Weather Forecasts with Spire's Unique Technology

- Spire Weather uses our growing constellation of LEMUR Satellites to create a unique globalobservation network
- By continuously collecting and processing GPS and GNSS signals as they pass through the earth's atmosphere, our satellites can measure temperature, pressure and humidity over 7000 times per day on average worldwide

#### **GPS/GNSS Satellites**

Spire satellites collect radio signals sent by GPS/GNSS satellites on the other side of the planet

# Radio Occultation As these signals pass through the atmosphere, they are refracted



#### Spire Satellites

By analyzing the refraction, Spire is able to understand the atmosphere from the ground up to 120 km



Unbiased Measurement of Weather Conditions via Radio Occultation



Homogeneously Spread Around the World, Scanning the Entire Planet 24/7



Observing the Weather from the Ground Up

## **△** spire

## SPIRE ORBITAL SERVICES

