SERAPHIM
SPACE INVESTMENT TRUST PLC

SERAPHIM SPACE INVESTMENT TRUST PLC

FULL YEAR REPORT – Twelve months ended 30 June 2022

SSIT YEAR TO 30TH JUNE 2022
HEADLINES

- Oversubscribed IPO in July 2021, raising £150.0m
- Additional £89.4m of new equity issued for acquisition of Initial Portfolio and Retained Assets comprising 19 investments with aggregate cost of £91.3m
- Portfolio increased to 26 companies during the year
- 7 new investments and 9 follow-on transactions totalling £87.1m,
- As at 30 June 2022, Net Assets of £239.3m and market capitalisation of £126.9m
- Liquid resources available of £57.7m (24% of NAV)
- Portfolio fair value at 104.3% of cost
- Post period, 7 further investments (3 new and 4 follow-on), for a total cost of £8.9m.

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Past performance is not a reliable indicator of future results. The value of shares and income from them can go up and down as a result of market and currency fluctuations

FINANCIAL HIGHLIGHTS
AS AT 30 JUNE 2022

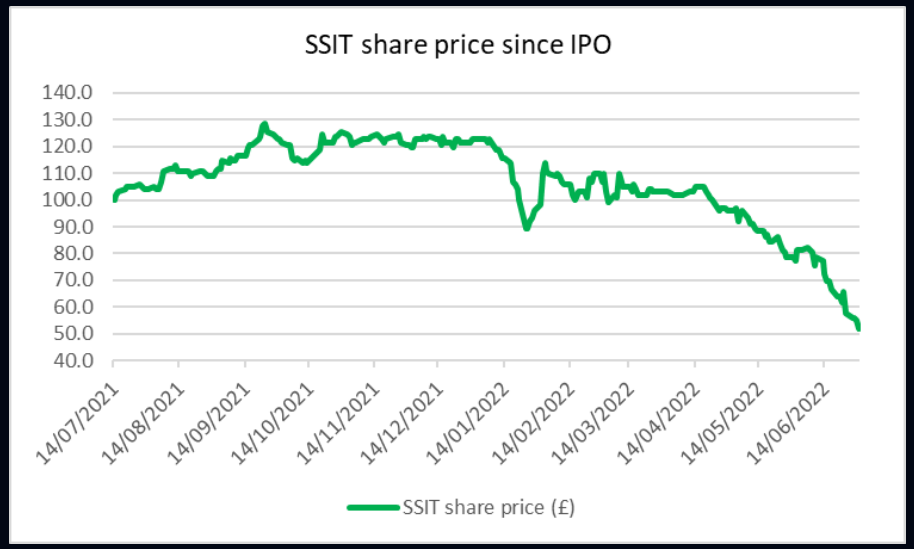
Share price
£0.53

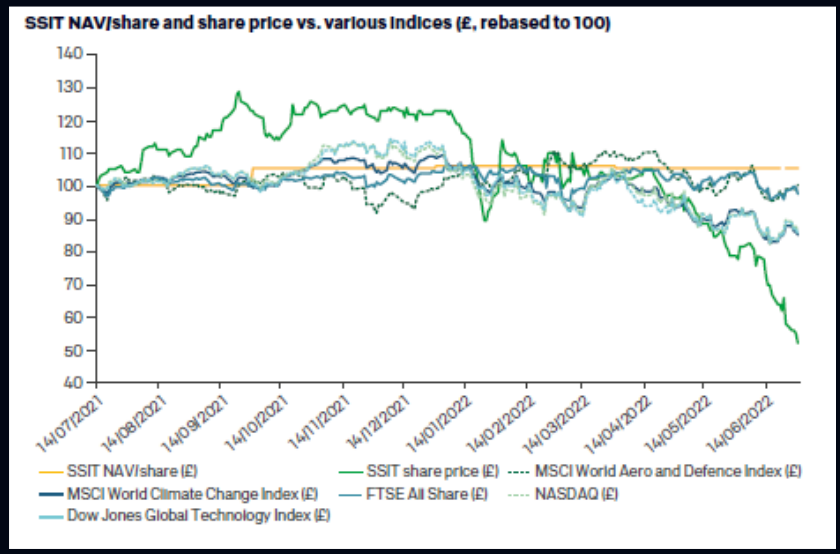
NAV per share
£1.00

Market capitalisation
£127M

Net assets
£239M

Portfolio valuation
£186M





Source: Datastream

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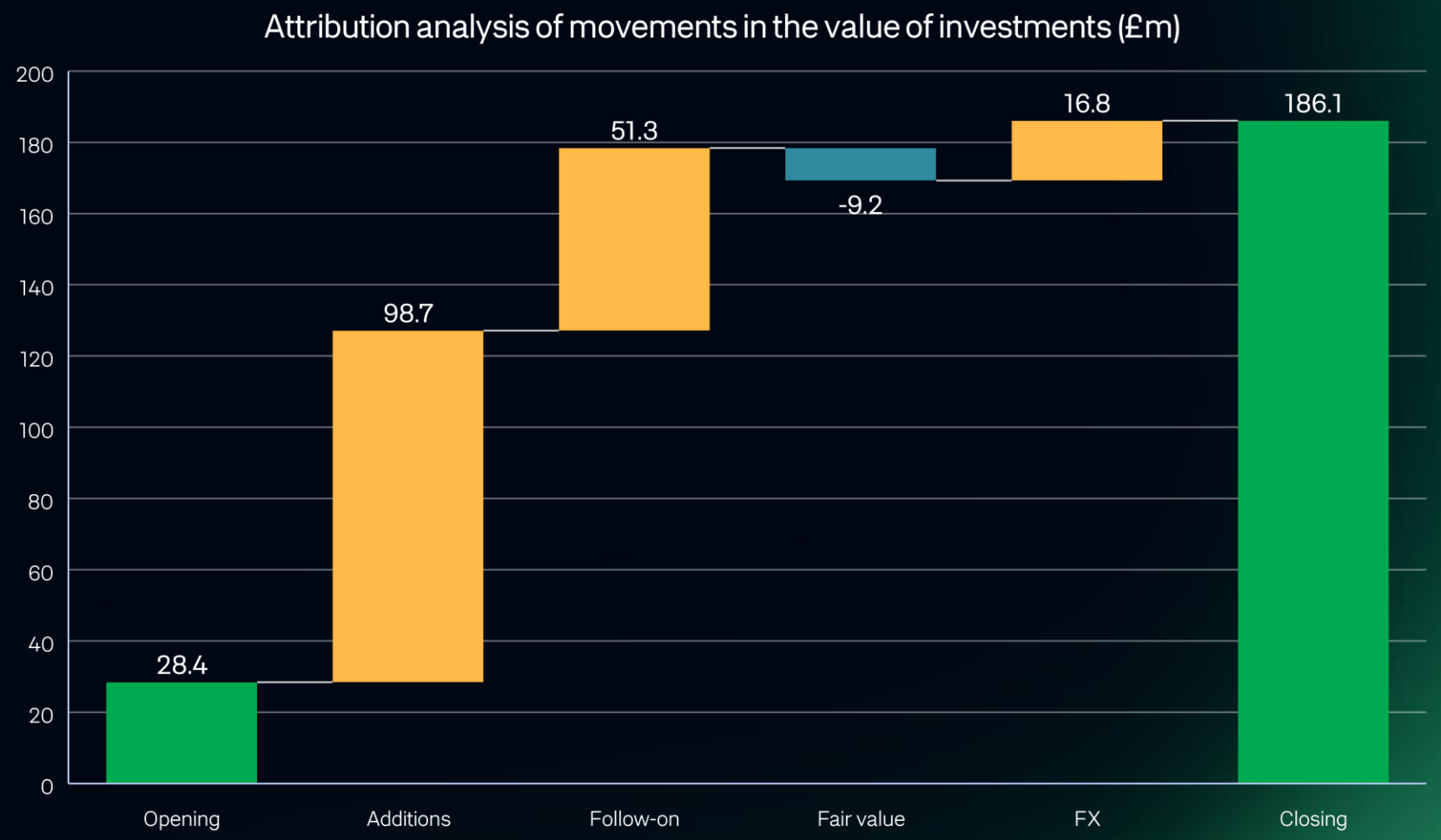
ATTRIBUTION ANALYSIS
AS AT 30 JUNE 2022



104.3%
Portfolio fair value vs. cost

£186.1M
Fair value of portfolio

£178.4M
Aggregate cost of investments

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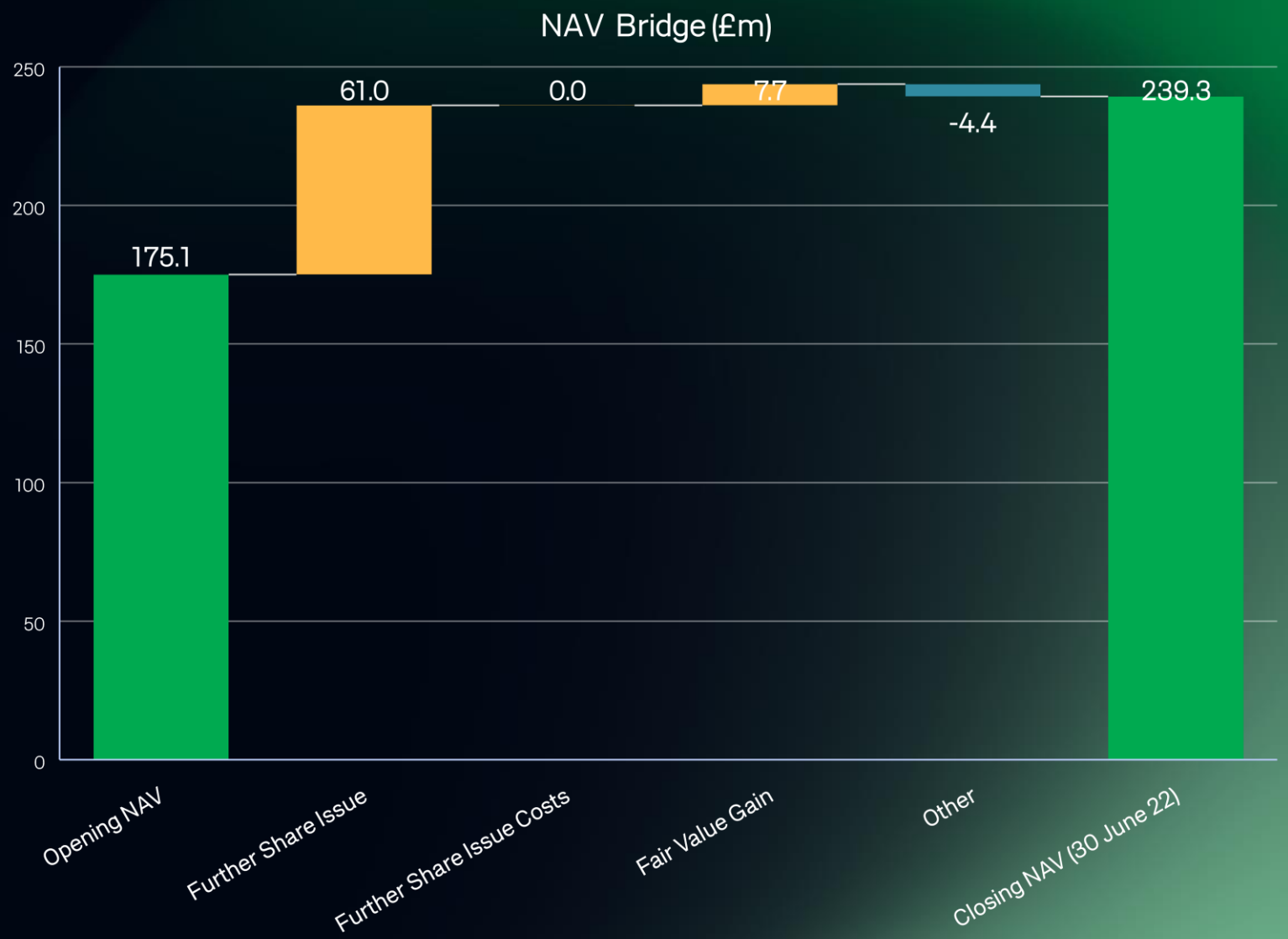
BALANCE SHEET
AS AT 30 JUNE 2022

£64.2M
Increase in NAV
36.7% increase to £239.3m

£57.7M
Liquid resources
(24% of NAV)

£61M
Equity issued following IPO and acquisition of Initial Portfolio



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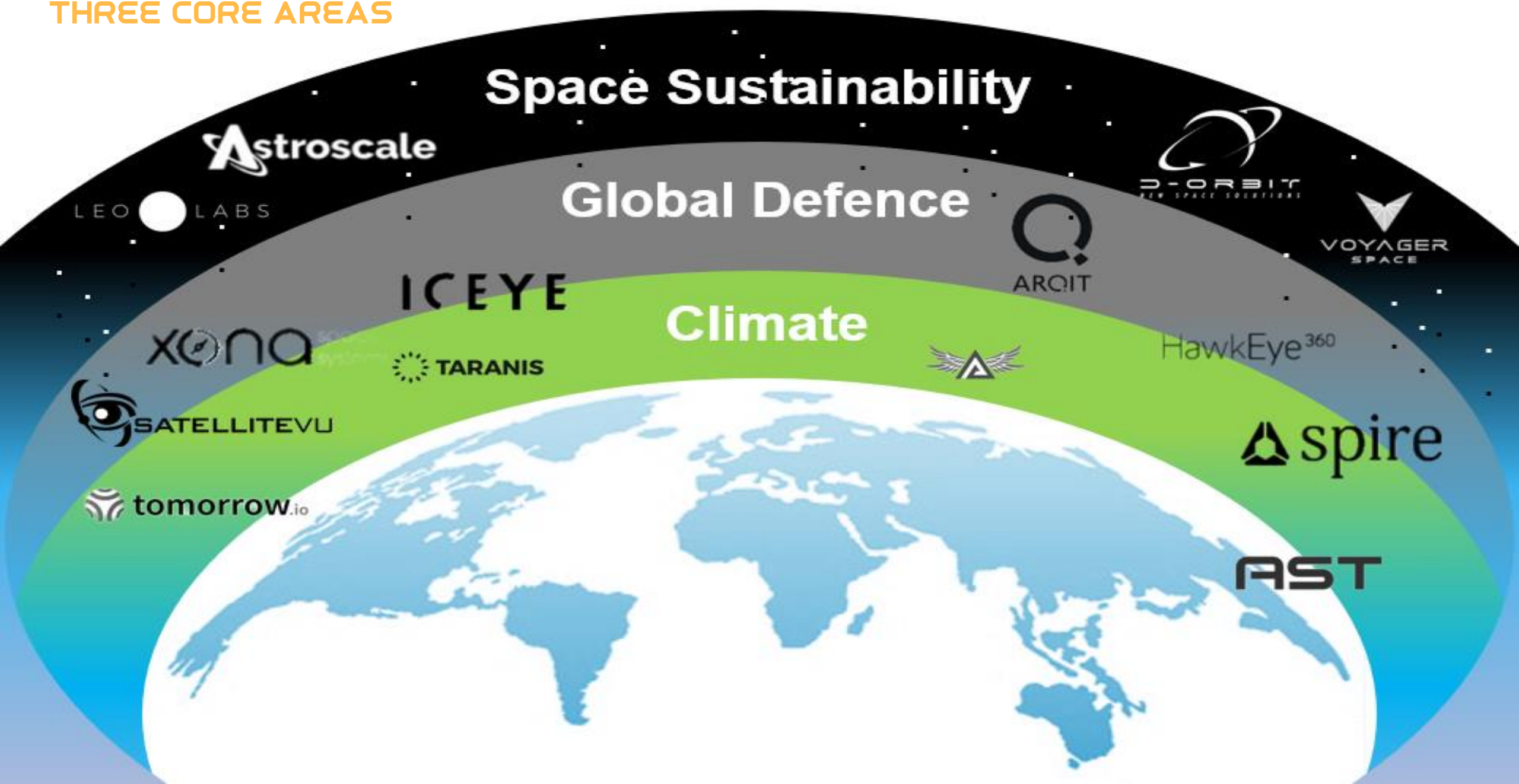
KEY INVESTMENT THEMES
THREE CORE AREAS



INVESTMENT ACTIVITY
YEAR TO 30 JUNE 2022

Company	Segment	HQ	Type	Holding	Cost (£m)	Customer type: Defence	Climate/Sustainability	Space Services
Arqit	Satcoms	UK	Retained Asset	Listed	27.3	■		
ICEYE	Earth Observation	EU	Retained Asset	Private	20.8	■	■	
ICEYE	Earth Observation	EU	Follow on	Private	18.7	■	■	
HawkEye 360	Earth Observation	US	New	Private	18.7	■	■	
ALL.SPACE	Antennas	UK	Follow on	Private	18.0	■		
Astroscale	In Orbit Services	Asia	New	Private	9.4		■	■
Spire Global	Earth Observation	US	Retained Asset	Listed	7.4		■	
D-Orbit	In Orbit Services	EU	Retained Asset	Private	7.3		■	■
Tomorrow.io	Data Platform	US	New	Private	4.2	■	■	
Satellite Vu	Earth Observation	UK	Follow on	Private	4.0	■	■	
Xona Space Systems	Navigation	US	Follow on	Private	3.9	■	■	
Spire Global	Earth Observation	US	Follow-on	Listed	2.5	■	■	
Pixxel	Earth Observation	Asia	New	Private	2.3	■	■	
LeoLabs	Data Platform	US	Follow on	Private	2.1	■		■
Edgybees	Data Platform	US	Follow on	Private	1.5	■		
Other seed investments[1]				Private	1.7			
Total					150			

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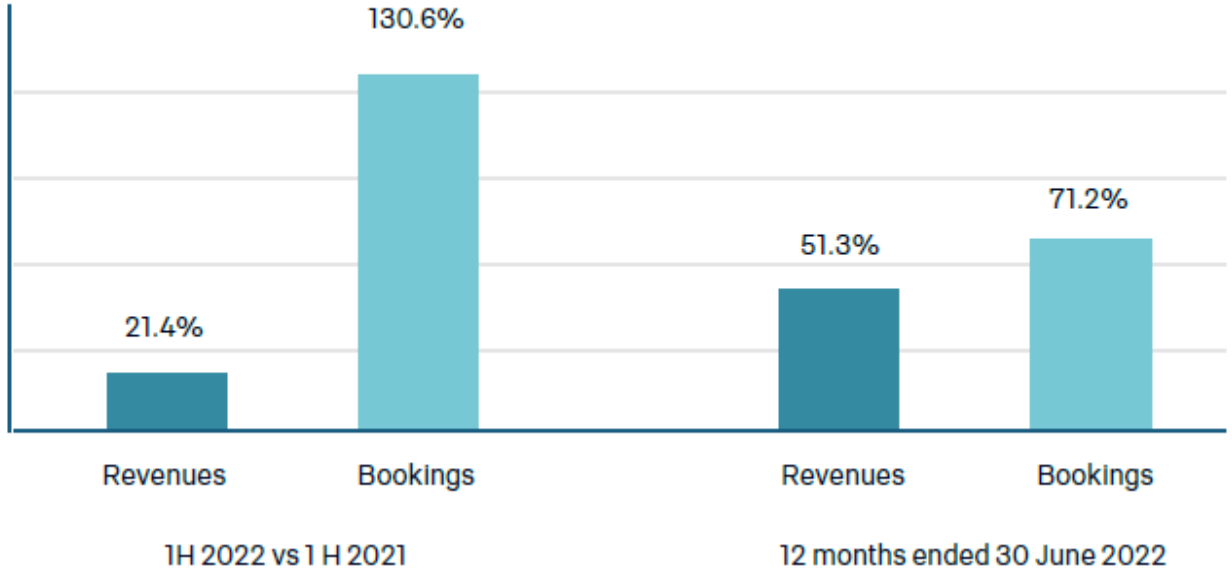
[1] These are very early stage companies in which small (typically less than £1m) initial investments are made and provide early access to companies which could become candidates for substantial growth investment in subsequent rounds should they progress strongly.

HIGHLIGHTS
YEAR TO 30 JUNE 2022

Fair value-weighted growth of portfolio revenue and bookings Note [1]



Source: Portfolio company information; Seraphim Space analysis
[1] Represents private companies in the top 10 holdings, representing 79% of fair value (62% of NAV) as at 30 June 2022

Private portfolio companies raised
$703M

Listed portfolio companies raised
$380M

Cash holdings across portfolio
12+ MONTHS

Private rounds flat or higher
78%

SSIT cash holding
£57.7M

NAV in cash
24%

LOWLIGHTS
YEAR TO 30 JUNE 2022

Public Portfolio Value Growth

-55%

D-ORBIT

TERMINATED SPAC

Public Portfolio Value Lost

£23.1M

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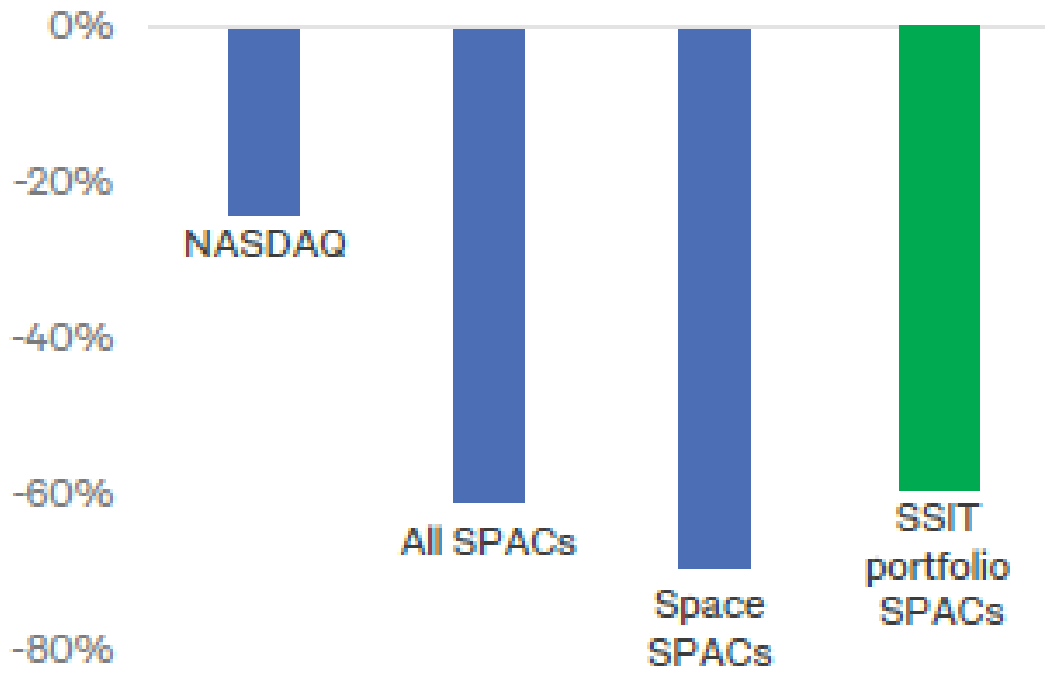
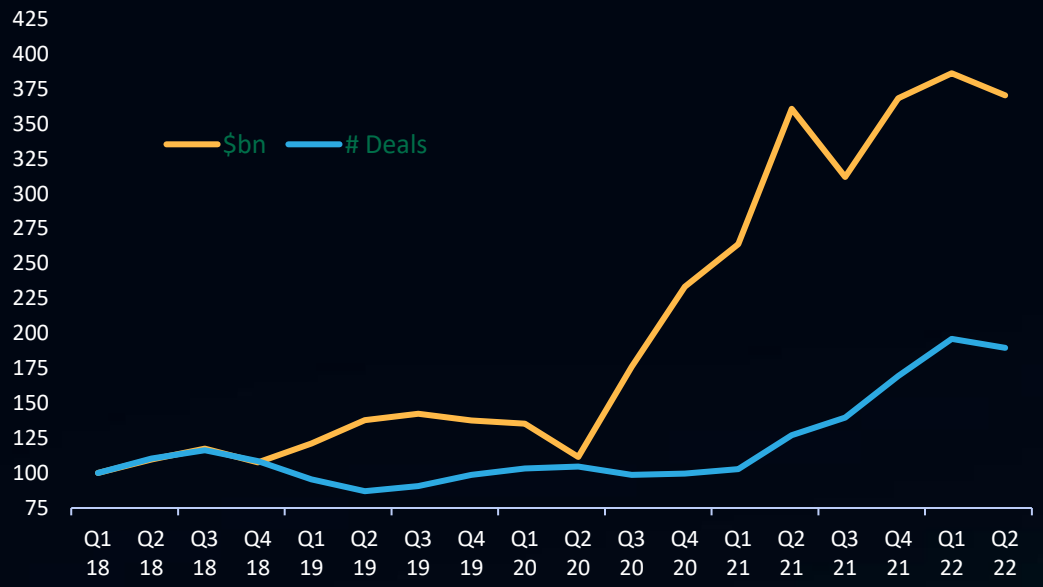
SPAC's fell out of favour – underperform market (year to 30 June 2022)



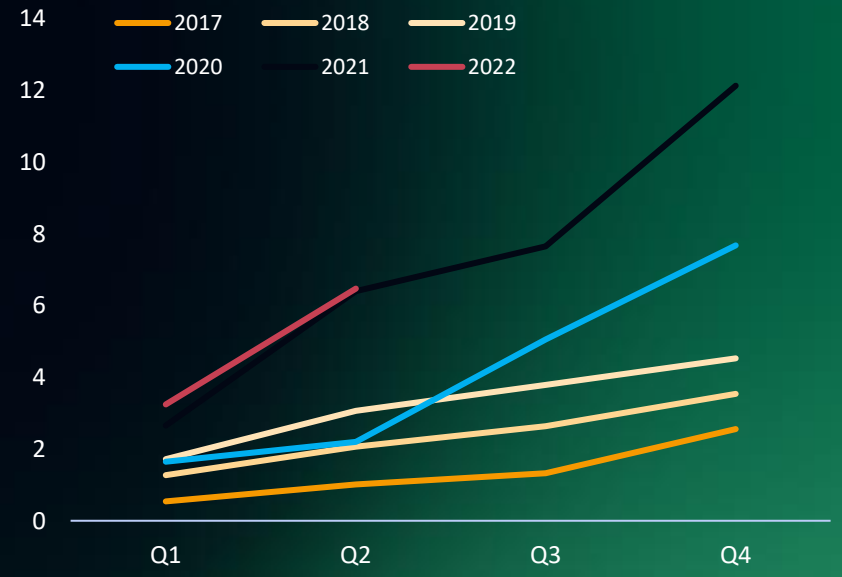
Source: Factset; Seraphim Space analysis

PRIVATE GLOBAL INVESTMENT
SERAPHIM SPACE INDEX

Trailing 12 Months Investment Activity Index
(Q1 2018 = 100)



Annual Investment Tracker
($bn Invested)



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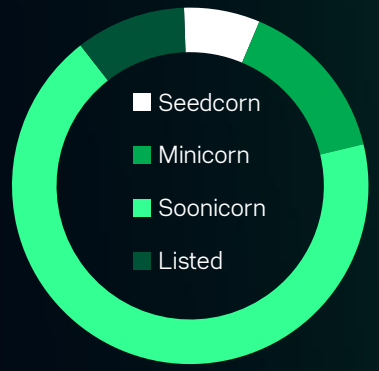
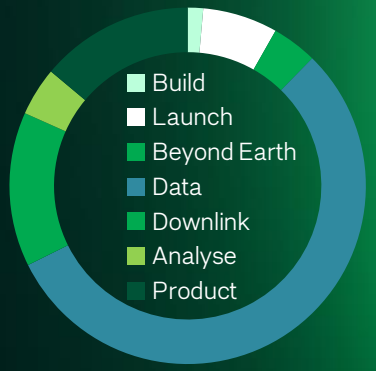
PORTFOLIO
AS AT 30 JUNE 2022

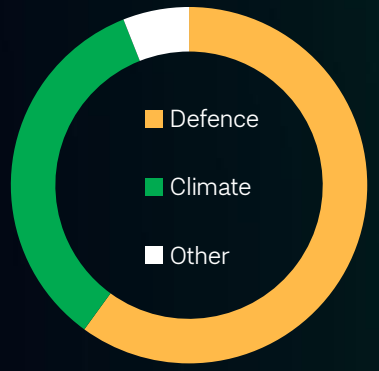
Summary By FairValue



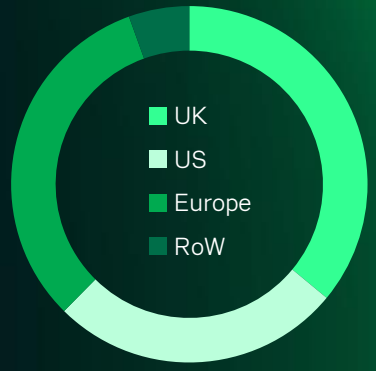
Stage



Ecosystem



Revenues*



Geography

NET ASSET VALUE

Company	30 Jun 22 Cost[1] (£m)	30 June 22 FV[1] (£m)	% of NAV	31 Dec 21 FV (£m)
ICEYE	39.6	43.3	18.1%	38.9
ALL SPACE (formerly Isotropic)	19.5	24.9	10.4%	22.4
HawkEye 360	18.7	20.6	8.6%	18.5
Arqit	27.3	14.0	5.9%	47.9
LeoLabs	11.7	13.7	5.7%	12.3
D-Orbit	7.3	12.7	5.3%	7.2
Altitude Angel	3.7	9.0	3.8%	3.7
PlanetWatchers	3.0	8.1	3.4%	3.2
Satellite Vu	4.6	7.8	3.3%	7.8
Astroscale	9.4	7.7	3.2%	9.3
Subtotal Top 10	144.8	161.8	67.6%	171.2
Other Non-Seed Investments	28.2	18.7	7.8%	9.7
Seed Investments	5.5	5.6	2.3%	1.9
Total Investments	178.4	186.1	77.8%	182.8
Net Current Assets / (Liabilities)		53.2	22.2%	67.8
Net Asset Value		239.3	100.0%	250.6

[1] Includes follow on investments, where relevant, made since 31 Dec 21 of £7.8m
* Private companies, which account for 9 of top 10 holdings

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Q4 INVESTMENTS

Investments made during the quarter

Company	Segment / Sub Sector	HQ	Type	Cost (£m)
Tomorrow.io	Data/Satellites	US	New Investment	4.2
Xona Space Systems	Data/Satellites	US	Follow-On	2.0
2 seed investments			New Investment	1.1
1 seed investment			Follow-On	0.4
Total				**7.7**

5
Transactions Completed

3
New Investments

£7.7M
Cash Deployed

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Q4 2021/22 INVESTMENTS

FOLLOW ON

XONA SPACE SYSTEMS

Xona Space Systems is developing the world's first smallsat GPS constellation in low Earth orbit, which has the capability of addressing the shortcomings of public GPS systems by delivering centimetre level accuracy, along with enhanced security.

In August 2021, Seraphim was the lead investor in Xona's Seed funding round, investing a total of $2.6m (£2.1m). In May 2022, the Company invested a further $2.5m (£2.1m) in a $12.5m convertible loan note round which included Investment from Lockheed Martin. The latest funding will be used to launch and test Xona's initial demonstration satellite payloads, the first of which was launched into orbit in May 2022.

NEW INVESTMENTS

TOMORROW.IO

Tomorrow.io is an innovator in the weather prediction market, offering actionable insights to enterprise customers. It offers decision-making services to industries particularly impacted by weather, including aviation, railways, shipping, utilities, insurance and logistics.

In June 2022, the Company invested $5.0m (£4.2m) as part of an internal round where the funding is being used to advance the development of the business' satellite constellations.

POST PERIOD END INVESTMENTS

Investments made during the quarter

Company	Segment / Sub Sector	HQ	Type	Cost £m
Voyager Space	Beyond Earth	US	New Investment	2.1
Taranis	Data/Satellites	Israel	New Investment	2.1
PlanetWatchers	Analyse/Platform	UK	Follow-On	2.5
1 seed investment			New Investment	0.2
3 seed investment			Follow-On	1.9
Total				**8.9**

7
Transactions Completed

3
New Investments

£8.9M
Cash Deployed

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ESG IS INTEGRAL TO OUR DNA

ESG INTEGRATION	• Systematic and explicit inclusion of ESG factors into financial analysis • Measuring and mitigating the risks
EXCLUSIONARY SCREENING	• Space is inherently dual use • Weapons and offensive applications unequivocally screened out • Formal decision tree process to remove any subjectivity
IMPACT	• Targeted investments aimed at solving social or environmental problems • All investments measured against specific UN Sustainability Development Goals (SDGs) • Portfolio of companies squarely addressing the key challenges facing humanity • Definable, measurable impacts, reported annually against the SDG framework

Seraphim Space is a signatory to Principles for Responsible Investment

OUTLOOK AND ACTIVITY LEVELS

- Dealflow and Investment activity has remained high
- New US accelerator further driving origination
- Well placed to weather macroeconomic headwinds; portfolio well capitalised; not underestimating the challenges of inflation and higher interest rates
- Cash reserves should be sufficient to provide the necessary levels of support to the portfolio over 12 months from period end, with further potential liquidity in the listed holdings
- Continue to expand the portfolio, remaining mindful of portfolio funding requirements
- Priority is supporting the existing portfolio for which we are reserving the majority of available cash

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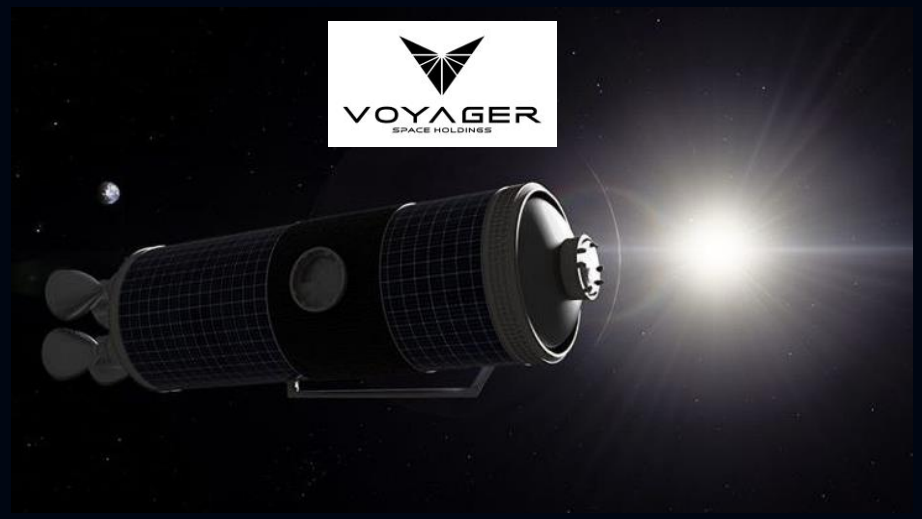
FULL YEAR REPORT – Twelve months ended 30 June 2022

APPENDICES

POST PERIOD NEW INVESTMENTS



VOYAGER SPACE

Voyager has designed and developed Starlab, a next generation free flying space station. Starlab provide the facilities to host public and private astronauts, as well forming the critical infrastructure required to support research, development & manufacturing in space.

Seraphim completed a $2.5m (£2.1m) Investment into Voyager's Series B in July 2022. With this investment, Voyager seeks to continue to finance the development of Starlab, and continue to expand their capabilities through strategic M&A.

TARANIS

Taranis is improving agricultural efficiency by providing insights to growers on field health. Taranis uses satellite and drone imagery in combination with their extensive library of crop health indicators, for early detection of disease or nutrient deficiencies. These accurate and local assessments improve crop yields by better tailoring the use of fertilisers and pesticides.

In August 2022, Seraphim completed a $2.5m (£2.1m) investment into Taranis' Series B investment round. Taranis received investment from numerous top Israeli venture & growth investors. With this round, Taranis will build out their US sales capability, and gain early traction with their new carbon monitoring product.

POST PERIOD FOLLOW-ON INVESTMENTS

PLANETWATCHERS

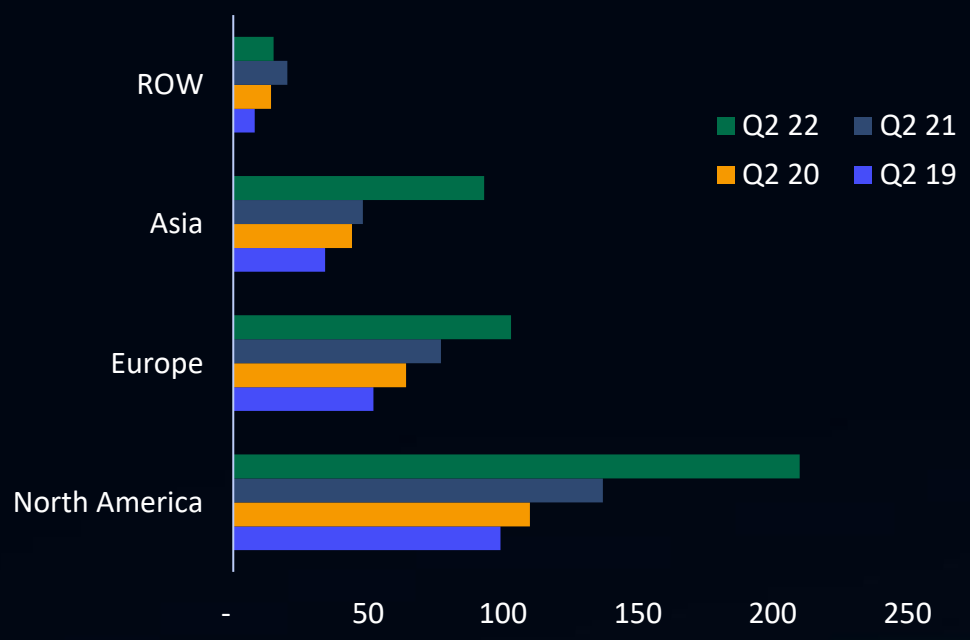
PlanetWatchers provides global scale information to the crop insurance industry, including acreage reports, crop classifications, planting dates, and details the damage of flood & wind events. These services are becoming increasingly relevant for sustainable agriculture in light of the climate change crisis.

In August 2022, Seraphim completed a $3m (£2.5m) follow on investment, acting as co-lead alongside Creative Ventures as part of Planet Watchers' $11m Series A. With this round, Planet Watchers looks to invest in automation, and fuel their commercial growth through expanded sales efforts.

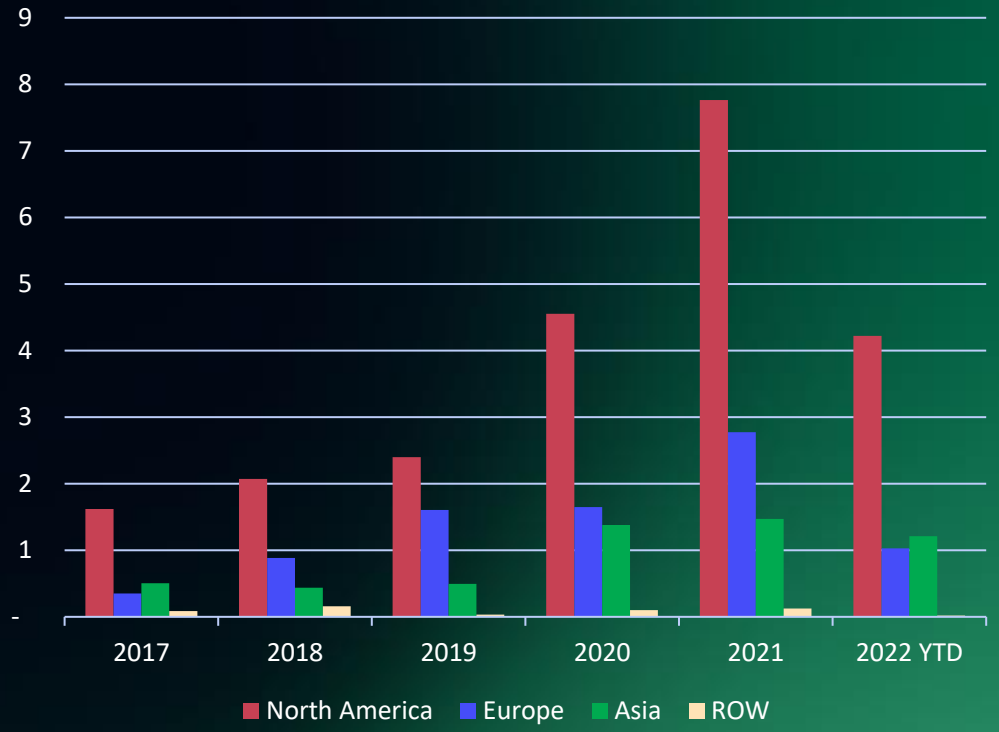
PRIVATE GLOBAL INVESTMENT

SERAPHIM SPACE INDEX

No. Deals Last 12 Months Investment



Investment By Region ($bn)



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RESHAPING OUR WORLD FOR THE BETTER

	ICEYE	AST	HawkEye 360®	spire
What do they do?	• Uses radar satellites to unlock access to data on any location on Earth	• Constellation of cell towers in space, accessed by any mobile phone	• Uses satellites to track and analyse radio frequency signals	• Uses satellites to provide accurate weather forecasting, maritime and aviation tracking
How do they contribute to sustainability?	• Data can be used to monitor natural disasters and inform critical decision-making	• Half the world cannot connect to the internet; when they can it drives health, education, wealth creation	• These signals can pick up hotspots where illegal and unregulated fishing is occurring	• Optimise planting and harvesting • Data can optimise maritime and aviation routes allowing for more efficient international trade
What SDGs do they contribute to?	• SDG 13: Climate Action	• SDG 9: Infrastructure • SDG 10 : Reduce Inequalities	• SDG 14 : Life Below Water	• SDG 12: Responsible production • SDG 15: Life on land

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VALUATION METHODOLOGY
AS AT 30 JUNE 2022

Valuation Methodology	FV (£m)
Available market price (listed companies)	18.6
Calibrated Price of Recent Investment (<3 months)	5.2
Calibrated Price of Recent Investment (3-6 months)	56.1
Calibrated Price of Recent Investment (>6 months)	65.5
Partial write down of recent investment (>6 months)	10.2
Discount to price of recent investment (post period)	8.8
Milestone multiples	21.7
Totals	186.1

Unlisted holdings valued using International Private Equity and Venture Capital Association Valuation Guidelines