

NAV per Share

**£1.04**

Share price

**£1.25**

Market Capitalisation

**£266m**

Net Assets

**£221m**

Liquid resources available

**£124m**

Portfolio Fair Value Gain

**17%**

“ In the few short months since the IPO of the Seraphim Space Investment Trust barely a day has passed without the Space sector being front page news, Whilst SpaceX, Virgin and Amazon garner all the headlines investment in SpaceTech has been quietly setting new records. Importantly COP26 has shown both the urgency with which the world must act to combat climate change and the unique role SpaceTech can play in achieving this. Having hit the ground running with five transactions completed during the period, we fully expect SSIT’s portfolio companies to be central protagonists in the Space sector’s quest to help solve some of our world’s most pressing challenges. *Will Whitehorn, Chair, Seraphim Space Investment Trust plc* ”

## Investment objective

The Company’s objective is to generate capital growth over the long term through investment in a diversified, international portfolio of predominantly early and growth stage unquoted SpaceTech businesses with the potential to dominate globally.

“SpaceTech businesses” are businesses which rely on space-based connectivity or precision, navigation and timing signals, or whose technology or services are already addressing, originally derived from, or of potential benefit to the Space sector.

## Investment opportunity

Technological advances are overturning traditional models for operating in Space, as low-cost access to Space becomes a reality with innovations such as reusable rockets and miniaturised satellites – this revolution is known as ‘New Space’.

The cost of building and launching a satellite has fallen by a factor of more than 100x. New and larger constellations of small, low cost satellites now constitute a new digital data infrastructure in the sky. This digital infrastructure will deliver capabilities that will define societal change over the forthcoming decade and beyond.

Space is now anticipated to have a transformative impact on many industry verticals unlocking \$trillions of value. Recognising these seismic changes, a flourishing ecosystem of privately funded Space Tech start-ups is emerging.

## About Seraphim

SSIT is managed by Seraphim Space – the world’s leading SpaceTech investment group. The Seraphim team consists of seasoned venture capitalists and some of the Space sector’s most successful entrepreneurs who scaled their businesses to multi-billion dollar outcomes.

Seraphim has supported in excess of 70 SpaceTech companies across its fund management and space specialist accelerator activities and has a proven track record of delivering shareholder value.

## Performance to 30 Sept 2021

	%
NAV per share	6.0
Share price	25.4
FTSE All Share TR	1.3
<b>NAV per share performance relative to the FTSE All-Share</b>	<b>4.7</b>
<b>Share price performance relative to the FTSE All-Share</b>	<b>24.1</b>

## Why Invest?

### Space economics is undergoing a paradigm shift

10x -100x cost reduction in access to space with lower satellite and launch costs

### Once in a generation opportunity

Benefiting from secular tailwinds and demand for space related technologies

### Environmental, social and corporate governance

Impact is at the heart of the fund portfolio which can demonstrate strong alignment with the UN’s Sustainability Development Goals

### Targeting annualised NAV of >20% over the long term

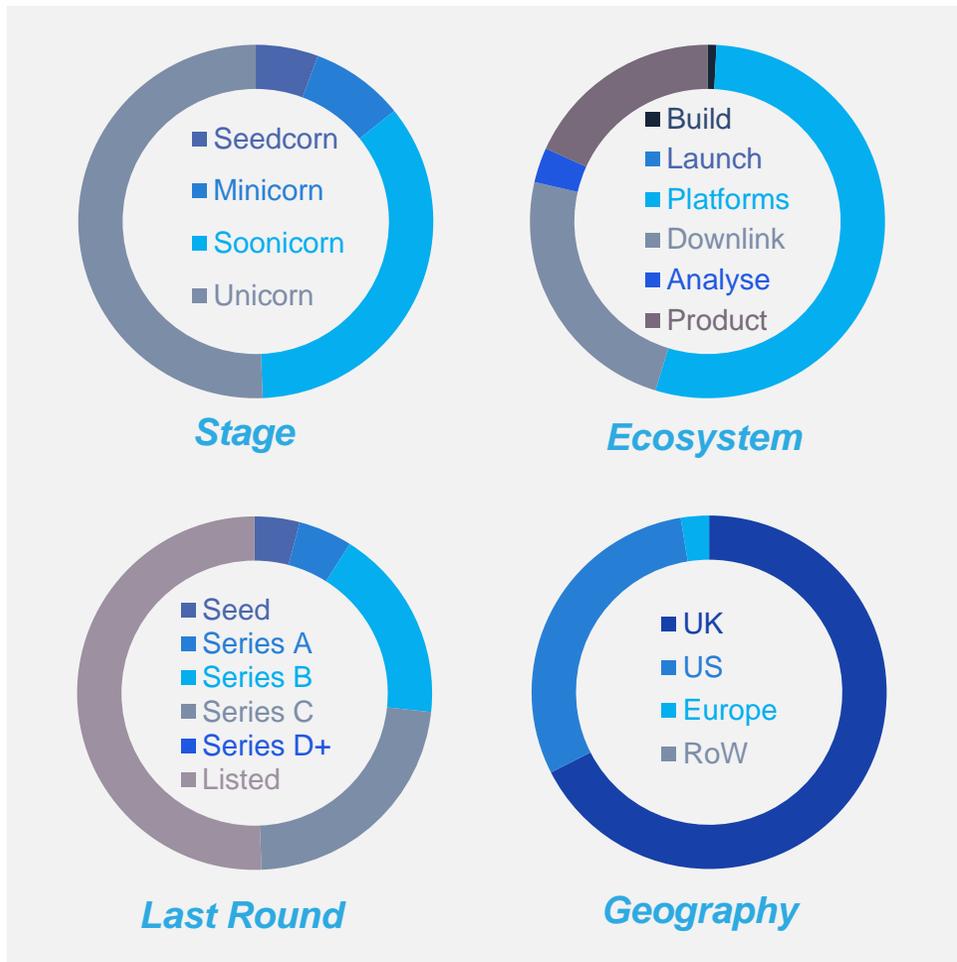
Long term growth in a market forecasted to grow to \$trillions

### Seraphim is the world’s #1 space tech investor

Unparalleled early access to companies that will shape a new economic revolution

# Portfolio as at 30 September 2021

## Summary By Value



## Net Asset Value

Company	FV £m	NAV %
ArQit	36.1	16.4%
Isotropic Systems	22.5	10.2%
LeoLabs	12.4	5.6%
Spire Global	10.3	4.7%
AST Space Mobile	3.9	1.7%
Altitude Angel	3.7	1.7%
Planetwatchers	3.2	1.4%
Xona Space Systems	2.6	1.2%
Edgybees	1.5	0.7%
QuadSAT	1.1	0.5%
<b>Sub Total Top 10</b>	<b>97.3</b>	<b>44.1%</b>
<b>Other 7 Investments</b>	<b>2.1</b>	<b>0.9%</b>
<b>Total Investments</b>	<b>99.4</b>	<b>45.1%</b>
Cash	123.9	56.2%
Performance Fee Provision	-1.5	-0.7%
Net Current Assets / (Liabilities)	-1.2	-0.6%
<b>Net Asset Value</b>	<b>220.6</b>	<b>100.0%</b>

# Outlook



We are encouraged by the performance of the portfolio in the short period since the Company's IPO. The SpaceTech investment market remains buoyant, with record levels of private investment and a steady stream of businesses announcing plans to list. The investment community and wider world are now increasingly recognising both the attraction of SpaceTech's long-term growth potential and the unique role it can play in helping to address some of the world's most pressing challenges. As the world's first listed SpaceTech focused fund, the Company is well positioned to capitalise on these trends and further expand its portfolio of fast growing businesses with transformative potential.

**Mark Boggett**, Chief Executive Officer  
Seraphim Space



## OUTLOOK

Overall portfolio valuations were up 17% in the period to 30 September 2021. The vast majority (c.75%) of this uplift related to the increase in the share prices of two of the Company's recently listed portfolio companies – Spire Global and Arqit. As with many other companies that have recently completed SPAC-mergers to become public companies, the share prices of both companies have been somewhat volatile. Spire Global in particular has seen its share price take a heavy hit since the end of the reporting period.

Notwithstanding their potential short-term price movements, we remain firm believers in the fundamentals of each of Spire Global and Arqit which, like the rest of the portfolio, play to some of the key megatrends – such as sustainability, ubiquitous connectivity, artificial intelligence, and cybersecurity - we expect to drive the global economy over the forthcoming decade and beyond. The potential of these businesses therefore remains well aligned with the Company's objective of seeking to generate capital growth over the long term.

The overall outlook for the portfolio remains promising, as the advent of low-cost, miniaturised satellites continues to transform the Space sector. With most well capitalised, the portfolio looks well placed to continue the trend of recent positive developments.

**James Bruegger**, Chief Investment Officer  
Seraphim Space

## ACTIVITY LEVELS

Investment activity levels were high during the period ending 30 September 2021 with a total of 5 transactions completed. Alongside three follow-on investments into existing portfolio companies – Xona Space Systems, Isotropic Systems and LeoLabs – it also included the purchase from Seraphim Space LP of interests in two companies – Spire Global and Arqit – which had recently completed SPAC mergers to begin trading on NYSE and Nasdaq respectively.

This momentum has continued post the end of the period, with two further transactions announced; a follow-on financing in existing portfolio company SatelliteVu, and an initial investments into a new addition to the portfolio – Hawkeye360. The Company was the lead investor in both these transactions.

SSIT is focused on investing in unlisted private companies globally. With several further transactions in unlisted businesses well advanced, and an agreement to acquire interest in two further assets retained by the Seraphim Space LP Fund – Iceye and D-Orbit – by the end of the year, current activity levels are expected to be maintained.

This would put the Company on track to have substantively invested / committed the £150m of proceeds raised at IPO well within the first year of operations.

# Q1 2021 investments

## Investments in the quarter to 30.09.21

### New Investments



*£7.4m stake acquired from Seraphim Space LP in Sept 21*

Spire operates one of the world's largest satellite constellations, collecting radio frequency signals for weather forecasting and for tracking the global maritime and aviation fleets. Spire is listed on NYSE (NYSE:SPIR).

[Press release](#)



*£27.3m stake acquired from Seraphim Space LP in Sept 21*

Arqit is developing encryption reborn for the cloud era. It is deploying a constellation of laser communications satellites that utilise quantum technology to distribute quantum-safe, un-hackable encryption keys for securing any end device. Arqit is listed on Nasdaq (Nasdaq: ARQQ).

[Press release](#)

### Follow-On Investments



*£2.1m invested in Jul 21*

LeoLabs is providing the mapping service for Space by deploying a network of ground-based antennas capable of detecting objects as small as 2cm as far as 1,000km away.

[Press release](#)



*£1.8m invested in Aug 21*

Xona is aiming to provide GPS navigation for the age of autonomy by launching what is believed to be the world's first small sat GPS constellation delivering centimetre level accuracy and enhanced security.

[Press release](#)



*£18.0m invested in Sept 21*

Isotropic is aiming to create a mesh network of satellite connectivity by developing an antenna capable of connecting to any satellite in any constellation in any orbit.

[Press release](#)

## Investments since the period end

### New Investments



*£18.6m invested in Nov 21*

HawkEye 360 is the world's leading commercial provider of space-based radio frequency (RF) data and analytics. It operates its own constellation of satellites to collect, identify, process and geolocate a broad set of RF signals generated on Earth from VHF radars, cell towers, satellite phones, emergency beacons and more.

[Press release](#)

### Follow-On Investments



*£4.0m invested in Oct 21*

Satellite Vu is aiming to become the Earth's smart energy meter by launching the first infrared imaging smallsat constellation capable of monitoring the thermal footprint of any building on Earth every few hours.

[Press release](#)

# Balance sheet as at 30 September 2021

## Balance sheet analysis

**£46m**

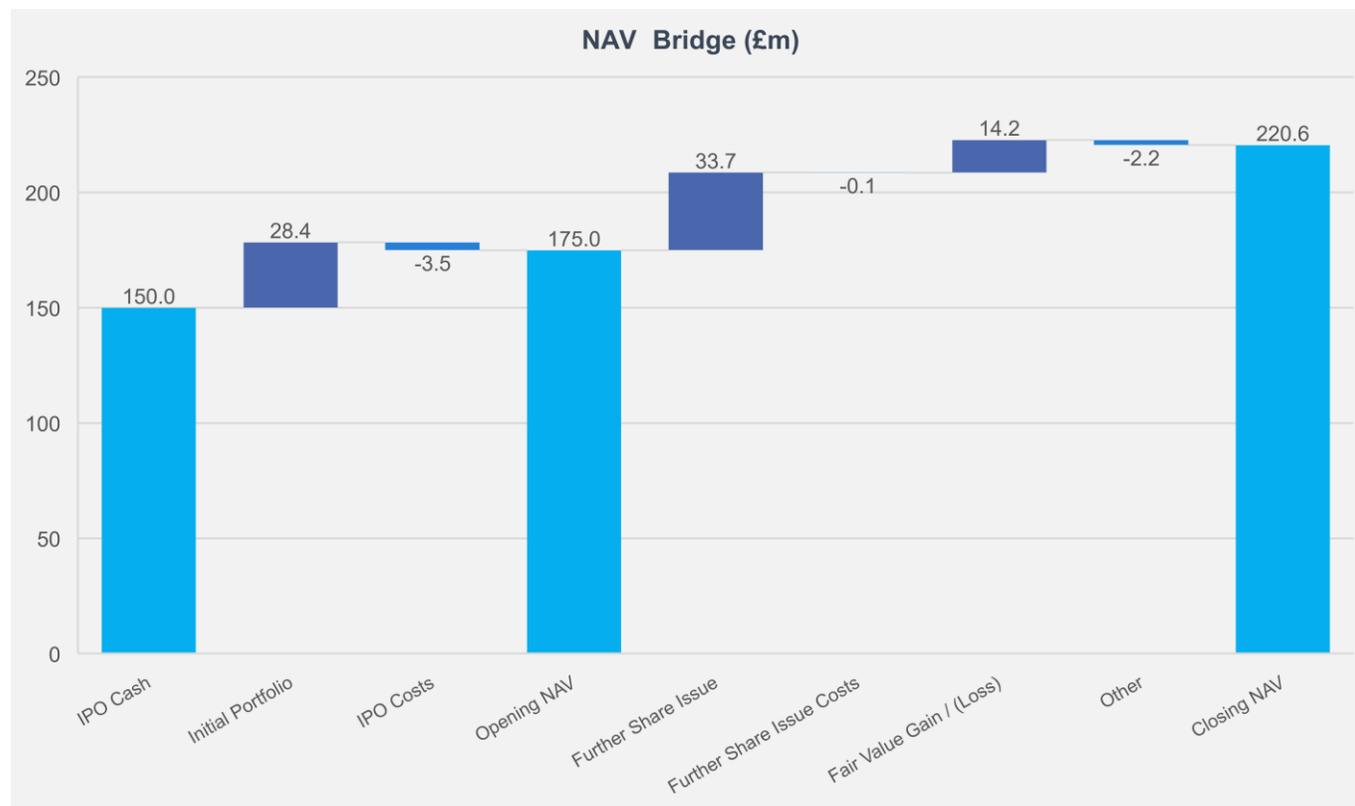
Increase in NAV  
(26% increase)

**£124m**

liquid resources  
(56% of NAV)

**£34m**

equity issued



In conjunction with its IPO, the Company acquired an initial portfolio of 15 investments from the LP Fund, the consideration being settled in SSIT ordinary shares. Interests in two further assets (Spire Global and Arqit Quantum) from the LP Fund were acquired in exchange for a further £33.7m share issuance and £1.0m cash.

The 'Other' category in the chart above consists of management fee (£0.49m), operating expenses (£0.29m), and performance fee accrual (£1.5m), partially offset by £0.04m of interest received.

The overall change in NAV during the period was representative of NAV per share increasing from £0.98 to £1.04.

# Top investments (representing 82% of the value of SSIT's investments)



**Web:** arqit.uk  
**HQ:** UK  
**Taxonomy:** Platform / Satcoms  
**Status:** Listed; Unicorn  
**Fair Value / Cost:** £36.1m / £27.3m  
**Valuation Method:** Mark to market

Arqit is developing encryption reborn for the cloud era. It is deploying a constellation of laser communications satellites that utilise quantum technology to distribute quantum-safe, un-hackable encryption keys for securing any end device.



**Web:** isotropicsystems.com  
**HQ:** UK  
**Taxonomy:** Downlink / Ground  
**Status:** Private; Soonicorn  
**Fair Value / Cost:** £22.5m / £19.5m  
**Valuation Method:** Last Round Price

Isotropic Systems (Isotropic) is aiming to create a mesh network of satellite connectivity by developing an antenna capable of connecting to any satellite in any constellation in any orbit.



**Web:** leolabs.space  
**HQ:** US  
**Taxonomy:** Product / Platform  
**Status:** Private; Soonicorn  
**Fair Value / Cost:** £12.4m / £11.7m  
**Valuation Method:** Last Round Price

LeoLabs is providing the mapping service for Space by deploying a network of ground-based antennas capable of detecting objects as small as 2cm as far as 1,000km away.



**Web:** spire.com  
**HQ:** US  
**Taxonomy:** Platforms / EO  
**Status:** Listed; Unicorn  
**Fair Value / Cost:** £10.3m / £7.4m  
**Valuation Method:** Mark to market

Spire operates one of the world's largest satellite constellations, collecting radio frequency signals for weather forecasting and for tracking the global maritime and aviation fleets.



**Web:** ast-science.com  
**HQ:** US  
**Taxonomy:** Platforms / Satcoms  
**Status:** Listed; Unicorn  
**Fair Value / Cost:** £3.9m / £4.4m  
**Valuation Method:** Mark to market

AST is launching a satellite constellation that will act as 'cell towers in Space' by delivering 4G connectivity to any smartphone.



**Web:** altitudeangel.com  
**HQ:** UK  
**Taxonomy:** Product / Platform  
**Status:** Private; Minicorn  
**Fair Value / Cost:** £3.7m / £3.7m  
**Valuation Method:** Last Funding Round

Altitude Angel operates a cloud-based automated air traffic control platform for drones and flying taxis. Its software powers the world's first sky corridor for drones.



**Web:** planetwatchers.com  
**HQ:** UK  
**Taxonomy:** Analyse / Satellites  
**Status:** Private; Seedcorn  
**Fair Value / Cost:** £3.2m / £3.0m  
**Valuation Method:** Last Funding Round

PlanetWatchers has developed an Artificial Intelligence enabled analytics platform using satellite radar imagery for crop monitoring, insurance and automated insurance claims assessments.



**Web:** xonaspace.com  
**HQ:** US  
**Taxonomy:** Platforms / Positioning  
**Status:** Private; Minicorn  
**Fair Value / Cost:** £2.6m / £2.3m  
**Valuation Method:** Last Funding Round

Xona Space Systems (Xona) is aiming to be the world's first smallsat GPS constellation for delivering centimetre level accuracy and enhanced security.



**Web:** edgybees.com  
**HQ:** Israel  
**Taxonomy:** Product / EO  
**Status:** Private; Minicorn  
**Fair Value / Cost:** £1.5m / £1.4m  
**Valuation Method:** Last Funding Round

Edgybees has developed an A.I powered augmented reality platform using satellite data for real-time information overlays for any video stream



**Web:** quadsat.com  
**HQ:** Denmark  
**Taxonomy:** Downlink / Comms  
**Status:** Private; Seedcorn  
**Fair Value / Cost:** £1.1m / £1.1m  
**Valuation Method:** Last Funding Round

Quadsat enables the testing and calibration of satellite antennas using a mobile drone platform.

## Further information

### Company Information

#### Board of Directors

[Will Whitehorn](#) (Non-executive Chair)

[Sue Inglis](#) (Non-executive Director)

[Christina McComb](#) (Non-executive Director)

#### Manager

Seraphim Space (Manager) LLP, 167 City Road, London, EC1V 1AW

#### Brokers

Deutsche Bank AG, Winchester House,, 1 Great Winchester Street, London, EC2N 2DB

J.P. Morgan Securities plc, 25 Bank Street, Canary Wharf, London, E14 5JP

#### Contact Details

Registered Office - 5th Floor 20 Fenchurch Street, London, EC3M 3BY

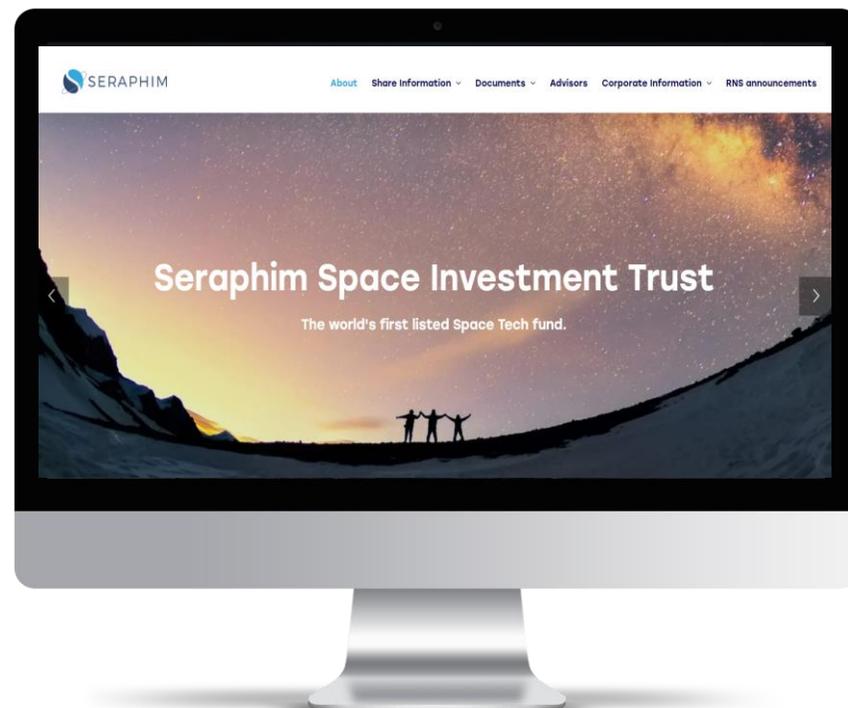
#### Key Financials as at 30<sup>th</sup> Sept 2021

NAV per share	104p
Share price (as at 30.09.21)	125p
Share price premium/ (discount) to NAV	21%
Index	FTSE All-share

Net assets	£221m
Market capitalisation	£266m
Ticker code	SSIT
Management Fees	1.25% NAV
Gearing	None

#### Calendar

Half year	Mar 22
Q3 results	May 22
Full year	Aug 22
AGM	TBC



### Environmental social and governance matters – Socially responsible Investment

Seraphim is a member of the Venture Capital group at the United Nations backed Principles of Responsible Investment. The PRI is the world's leading proponent of responsible Investing <https://www.unpri.org/>

### Website

<https://investors.seraphim.vc> is constantly being updated to ensure that you can always access Seraphim Space Investment Trust Plc latest data and information on your computer or mobile device in a transparent, convenient and intuitive manner.

**Important information** – Please remember past performance is not a reliable indicator of future results. The value of shares and the income from them can go down as well as up as a result of market and currency fluctuations. You may not get back the amount you invest. Seraphim Space Investment Trust plc (SSIT) is not authorised to give financial advice. This information should not be considered an offer, invitation, recommendation or solicitation to deal in investments. All sources are Seraphim unless otherwise stated. Issued and approved by Seraphim Space (Manager) LLP which is authorised and regulated by the Financial Conduct Authority (FRN: 772782)