

Automation and Artificial Intelligence

Revolutionising How The World Works

April 2022



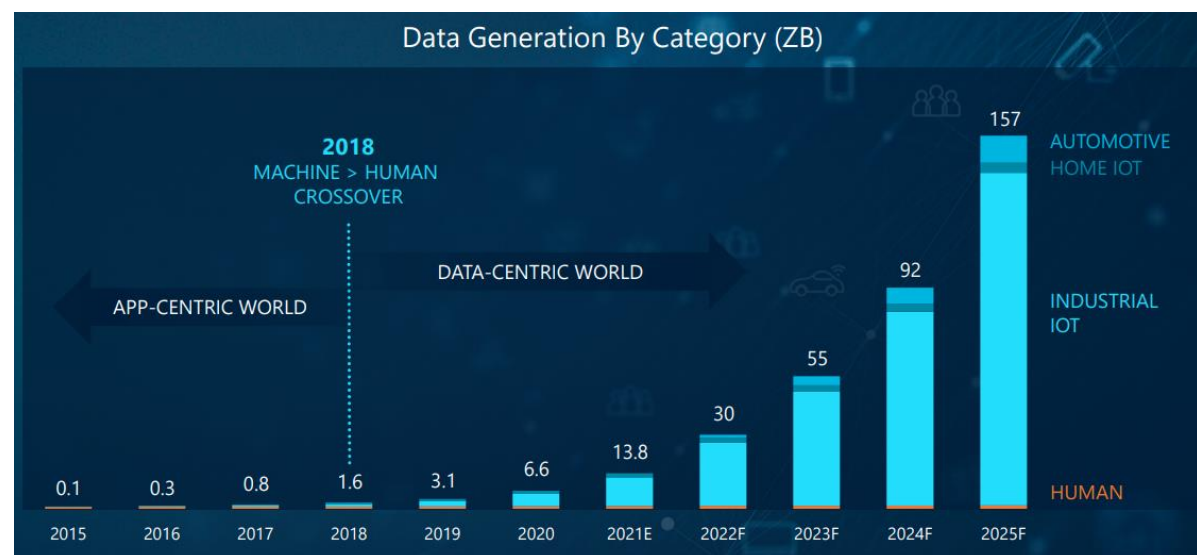
polarcapitalfunds.com

Exploding Data Growth

More data is created per hour now than in an entire year just two decades ago¹

The datasphere doubles every 3 years²

- Human genomics: 100GB per genome
- Autonomous vehicle: 32,000GB per vehicle per day
- Smart factory: 1,000,000GB per day
- Smart city infrastructure: 2,500,000GB per day



Source: 1. Rethink Data, IDC, 2020; 2. 2021 Analyst Day, Seagate;.

All Data is Not Created Equal

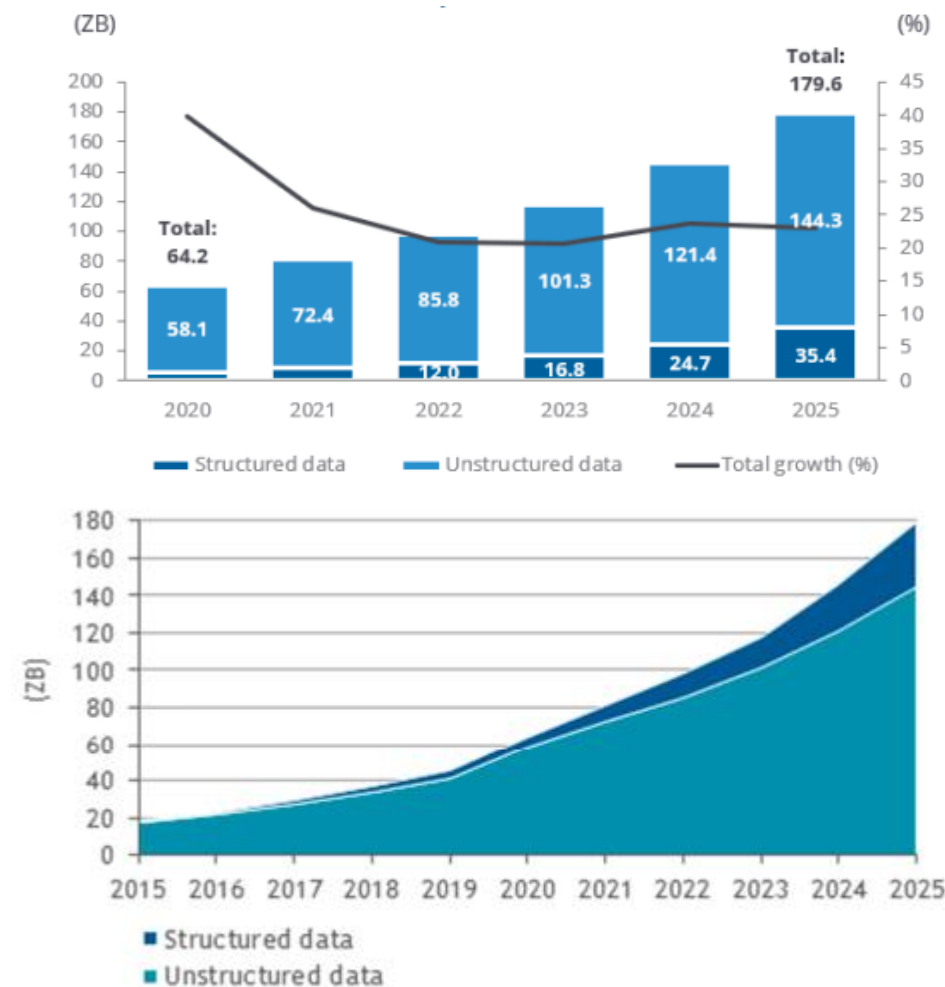
The importance of unstructured data is rapidly increasing

Most data has not been utilised

- 56% of total data generated is captured¹
- 3% of total data captured is being tagged¹
- 6.2% of total data created is stored²
- 0.5% of total data captured in 2012 was being analysed¹ and 4.7% in 2021²

The future of the data revolution is all about unstructured data

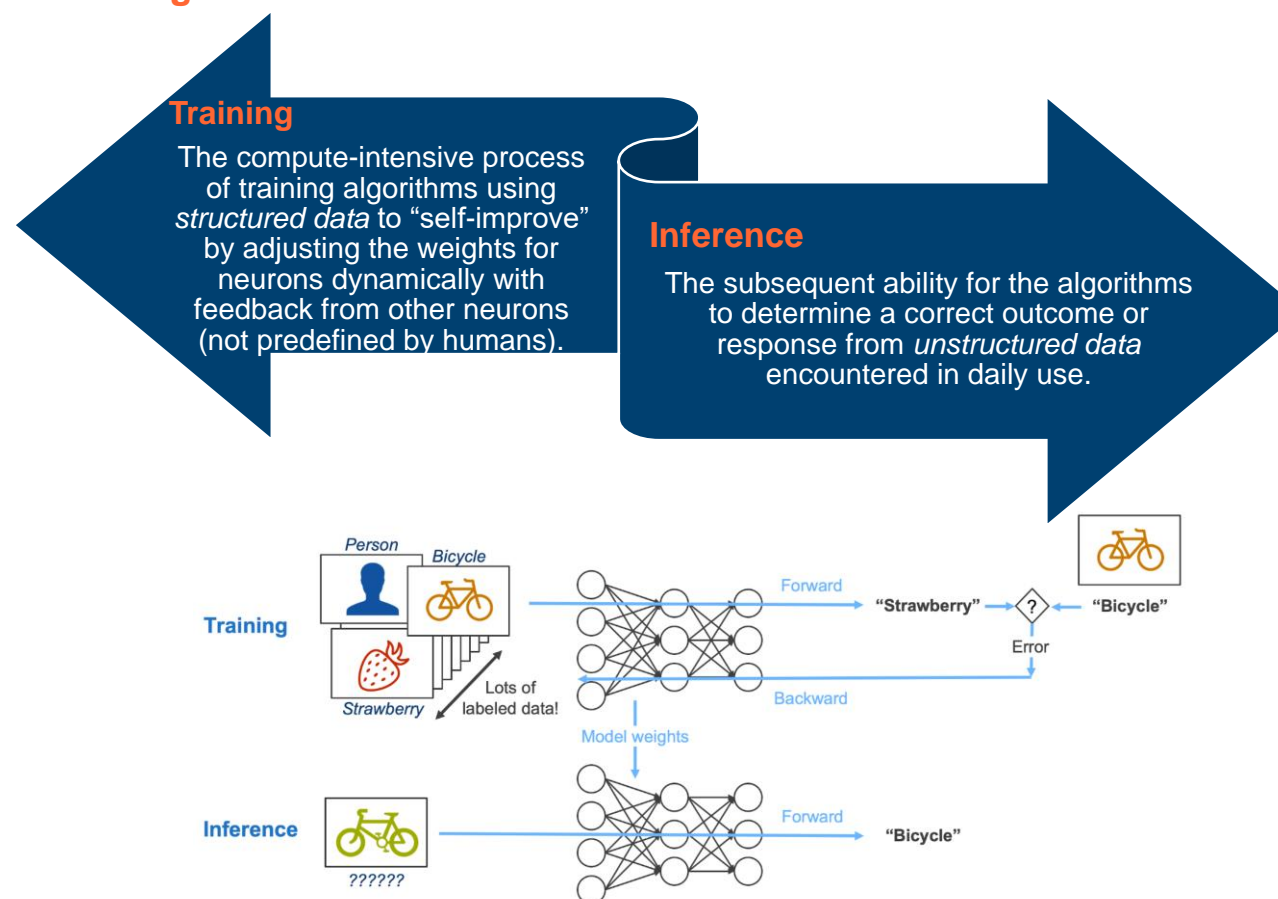
- ~10% of the 2020 global datasphere is structured data
- Unstructured data makes up the rest and is expected to grow at 20% CAGR
- Conventional data analysis techniques can only process structured data and tagged unstructured data



Source: 1. <Big Data, Bigger Digital Shadows, and Biggest Growth in the Far East>, EMC/IDC, Dec 2012; 2. IDC, August 2021; 3. Charts are taken from IDC's Global StorageSphere, July 2021. Past performance is not indicative or a guarantee of future returns. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Artificial Intelligence: Harness the Power of Data

AI is the first technology to unearth insights from unstructured data



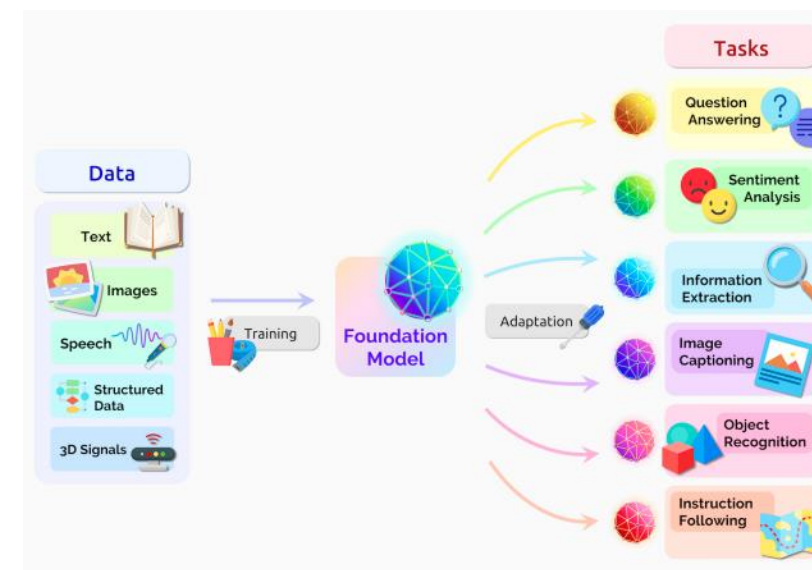
Unstructured data has required very expensive, manual analysis.
AI is the breakthrough that can generate insight into previously unusable data.

Source: <https://www.intel.com/content/www/us/en/artificial-intelligence/posts/deep-learning-training-and-inference.html>

Artificial Intelligence: A Paradigm Shift in AI

Transformer Models are possibly the most powerful classes of models invented to date

- **Transformer Models have become the foundations for AI thanks to their uniquely powerful self-attention units.**
 - By strategically applying an evolving set of mathematical techniques (so-called self-attention units), a transformer model can mathematically find patterns between elements and “learn” context by tracking relationships in sequential data.
 - While these models are designed to handle sequential data (such as natural languages), they do not need to process the data in order, which significantly increase the parallelisation.
 - Transformers eliminate the need to use large, labelled datasets to perform machine learning; these are costly and time-consuming to produce.
 - Transformers enable computers to see the same patterns humans can. These can then be used in more generalised ways, such as real time translation, trend/fraud detection, making recommendations and speeding up drug discovery.



“
Transformers made self-supervised learning possible, and AI jumped to warp speed¹”

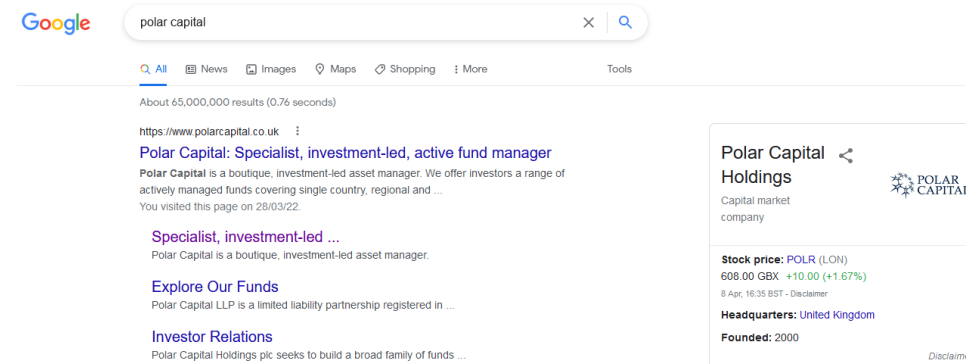
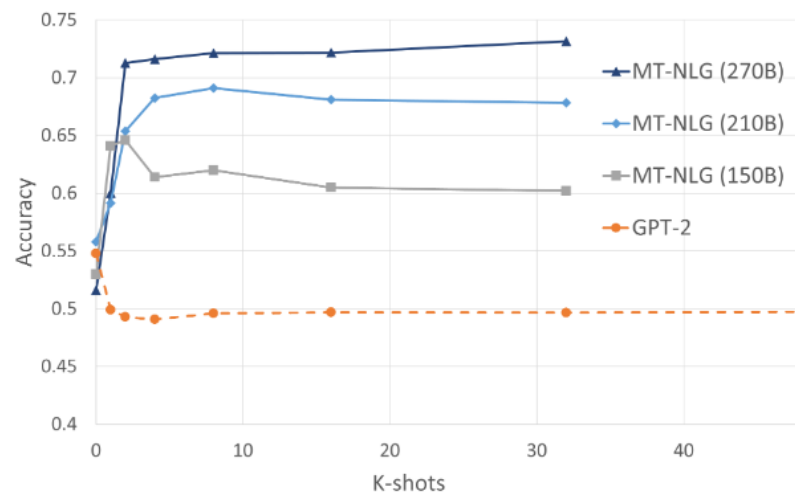
– Jensen Huang, CEO of Nvidia

Source: 1. GTC, Nvidia, March 2022; 2. Image source: <On the Opportunities and Risks of Foundation Models>, Stanford University, August 2021; It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Artificial Intelligence: Big is Beautiful

Natural Language Processing (NLP) has been the battleground for tech titans

- **Natural Language Processing has progressed massively in recent years**
 - Transformer-based models with large parameters are designed to be task-agnostic with limited data sets, just like how humans perform a new language task from very few samples.
 - Open AI's GPT-3 has 175bn parameters; the Megatron-Turing Natural Language Generation model (MT-NLG) from Microsoft and Nvidia features 105 layers with 530bn parameters¹.
 - Google released the Multitask Unified Model (MUM) in 2021²; with 1.57trn parameters this can answer complex questions in context. MUM is 1000x more powerful than their BERT model released in 2018.
- **The breakthrough of this new type of large AI models that can generalise the training process marks the beginning of the next generation of AI.**



Source: 1. Microsoft, Oct 2021; 2. <mT5: A Massively Multilingual Pre-trained Text-to-Text Transformer>, Google Research, March 2021; It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Artificial Intelligence: Far from Human Performance

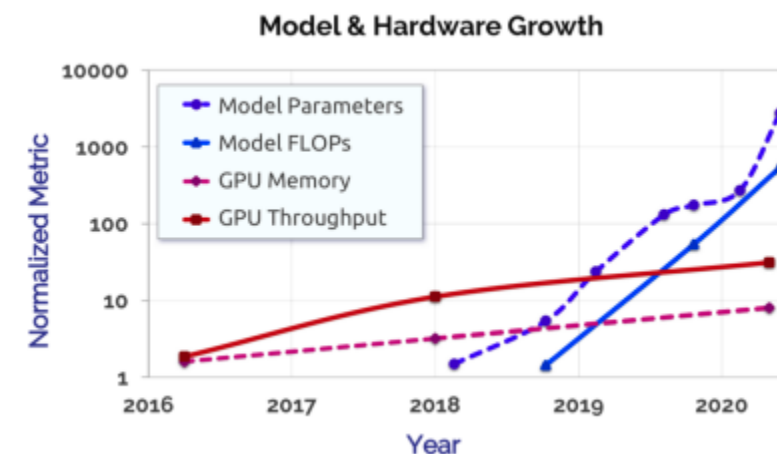
“Biologic compute” remains more efficient by many orders of magnitude

	Human Brain	Nvidia DGX-2 ⁴
Computational Capacity	$10^{12} - 10^{18}$ FLOPS ¹	10^{15} FLOPS
Memory Capacity	2500TB ²	1.5TB
Power Consumption	20 watts ³	10,000 watts

The world’s most powerful deep learning system, Nvidia DGX-2, has a computational capacity similar to the estimated average of the human brain. However, it consumes 10kW power, 500x that of human brain and only has memory capacity of 1.5TB, 0.06% that of human brain.

Computational resources have become the bottleneck for the development of large parameter natural language generation model

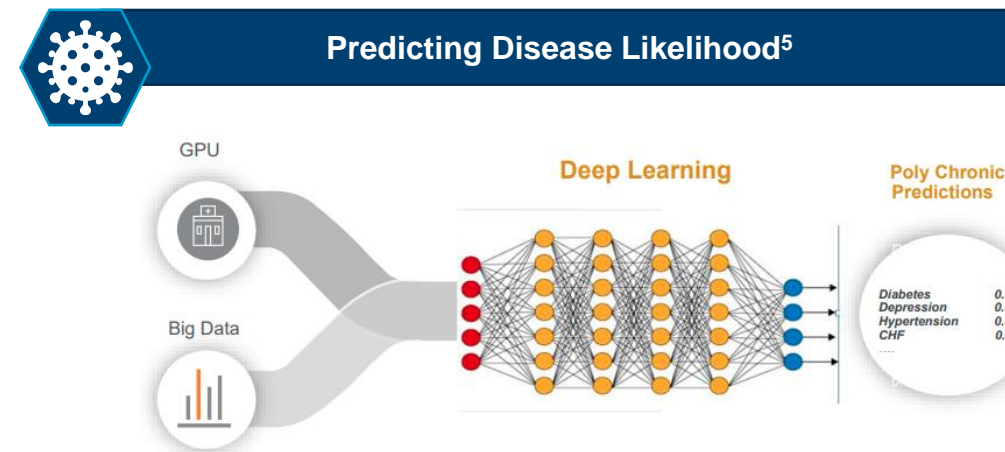
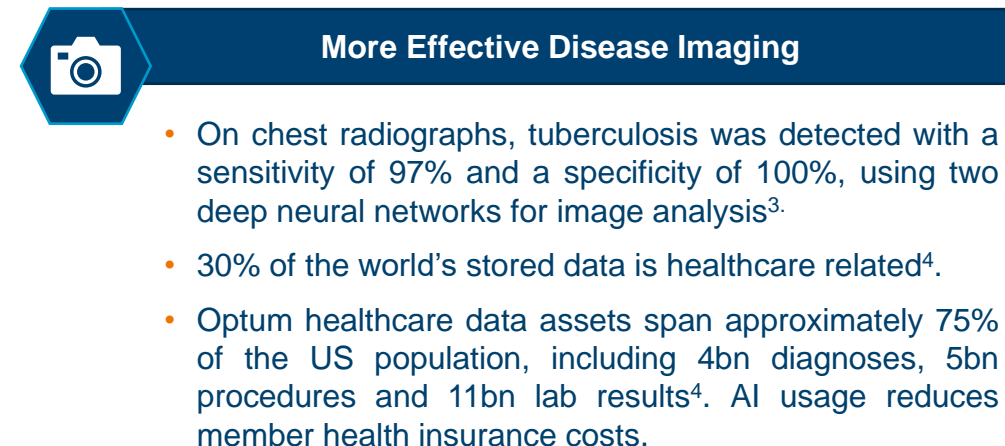
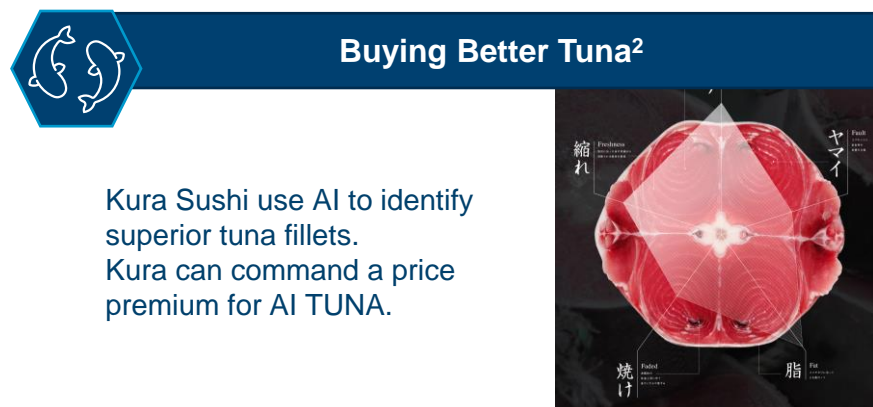
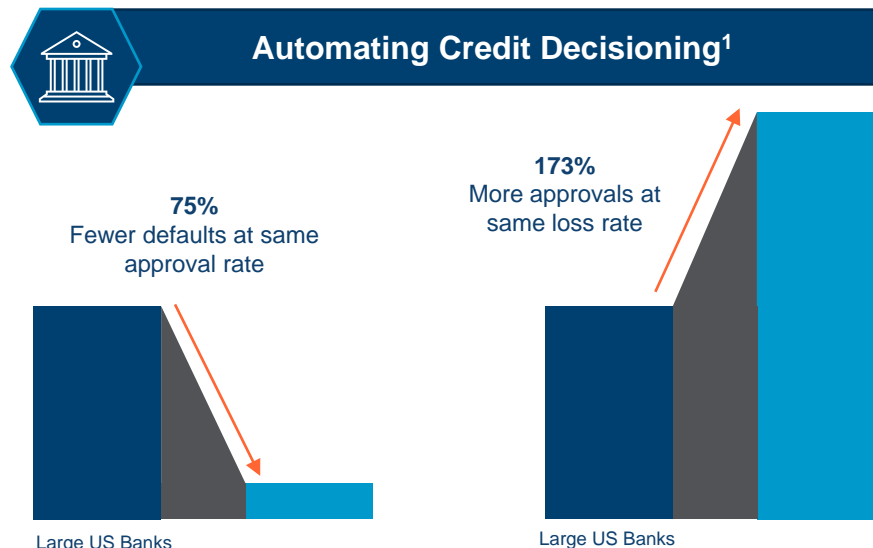
- 275x increase every 2 years for parameters of transformer models vs 25x for the parameters of all AI models⁵ vs Moore’s law 2x increase of transistors every two years (every 3 years in reality).
- Loading the information required to train a 530bn parameter model needs 10TB of memory, the activation of each block need 16.9TB of memory⁶. The most powerful GPU (the A100) has 80GB memory.



Source: 1. <Whole Brain Emulation>, Anders Sandberg, 2008; 2. <What Is the Memory Capacity of the Human Brain?>, Scientific American, May 2010; 3. <Real-time Scalable Cortical Computing at 46 Giga-Synaptic OPS/Watt with ~100 × Speedup in Time-to-Solution and ~100,000 × Reduction in Energy-to-Solution>, IBM Research, 2014; 4. Nvidia DXG-2 Datasheet; 5. Nvidia, Nov 2021; 6. <Using DeepSpeed and Megatron to Train Megatron-Turing NLG 530B, A Large-Scale Generative Language Model >, Shaden Smith with Microsoft and Nvidia, Feb 2022; 7. Image source: <On the Opportunities and Risks of Foundation Models>, Stanford University, August 2021; It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Artificial Intelligence: Enhancing Human Tasks

Computers are now taking over advanced human tasks



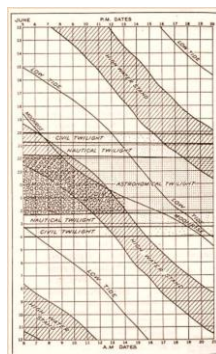
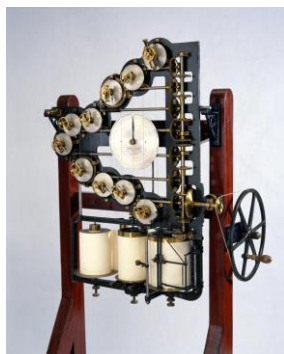
Source: 1. [About Upstart](#) 2. [TUNA SCOPE \(tuna-scope.com\)](#). 3. Lakhani & Sundaram 2017; 4. Machine Learning and Advanced Technology, Optum, 2019; 5. [Succession Planning Template \(nvidia.com\)](#). It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Artificial Intelligence: Predicting the Future?

Humans have been using machines to predict events for thousands of years

The first analogue calculator or “Analogue Twin”

- The famous astronomical calculating machine made by the ancient Greeks 2000 years ago, known as **the Antikythera Mechanism**, has a highly complex structure to determine and visualise the position of the sun, the moon and the planets. It was used to predict the solar and lunar eclipses¹.



The first mechanical calculator or “Mechanical Twin”

- William Thomson (later Lord Kelvin) invented the **tide-predicting machine** in 1872. It combined ten astronomical components and drew tidal curves of a given location for one year in four hours².
- Not only did it provide valuable information for fishermen, engineers and navigators, it also played a critical role in the Normandy landings during WWII³.



“The greatest untold story of the Apollo 13 mission is that of the spacecraft simulators”⁴

- NASA employed high fidelity simulators to match conditions on the Apollo 13 mission in the 1970s⁶, marking one of the earliest examples of what would become known as a **“digital twin”**
- The simulator provided the crew with exact steps to return safely after fuel cells exploded 330,000 km from Earth⁵



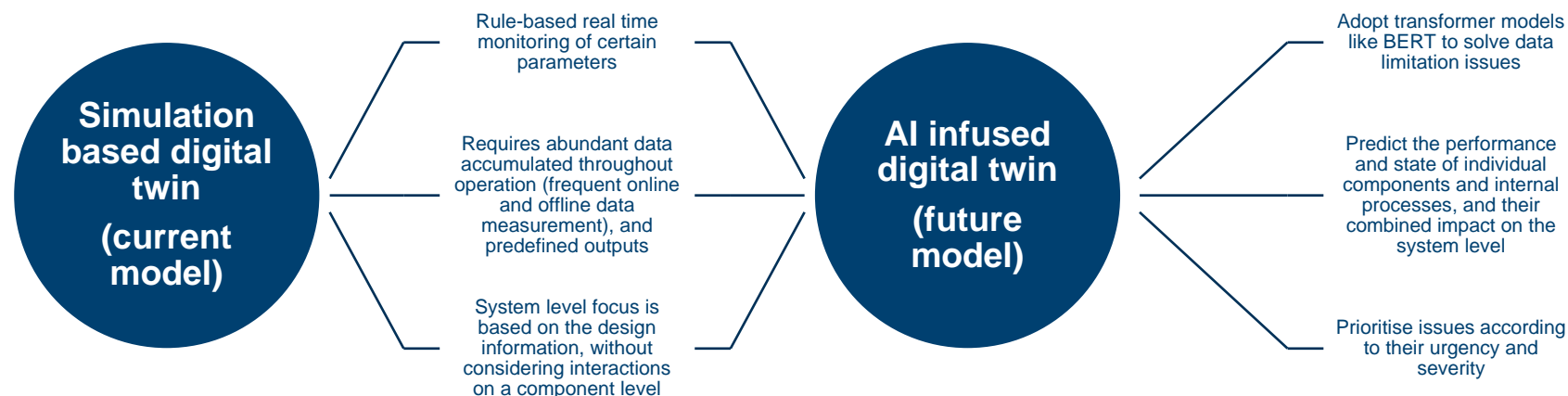
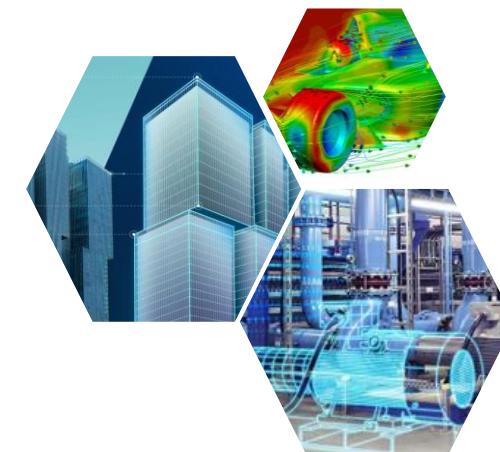
Source: 1. Communications of the ACM, April 2020, Vol. 63 No. 4, Pages 108-115; 2. Science Museum Group; 3. Physics Today, Sep 2011; 4. Gerald Griffin, Apollo Mission Control Flight Director; 5. 50 Years Ago: How Simulators Saved Apollo 13, Tele Vue Optics, May 2020; 6. SIMCENTER, Siemens; Apollo simulators image courtesy of NASA. It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Artificial Intelligence: Digital Twin

Probably the most disruptive application of industrial IoT

A digital representation of a physical object

- An encapsulated software object that mirrors the physical object with the same metadata, data structure, functional and system **model**
- **Real time data** that comes directly from the physical object (identity, time series, event, status data) and **contextual data** (environment, maintenance, supply chain data)
- **One-to-one correspondence/unique identity**
- **Real time monitorability**

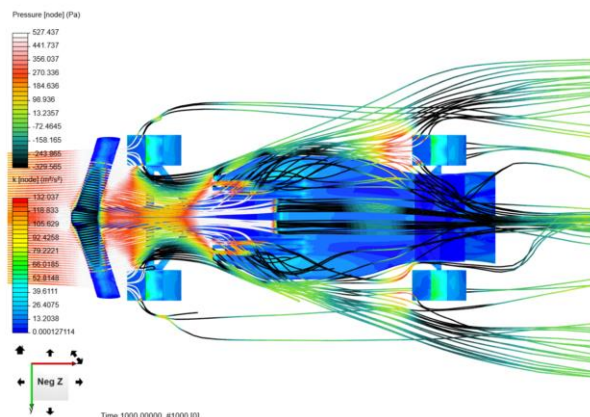


Source: Polar Capital. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

F1, the most advanced implementation of AI-infused digital twins, is a truly data-driven sport

Data: the fuel of the game

- 300 sensors on each car
- 1500 data points per second¹
- 5bn data points per race
- 2GB of data per lap / 3TB data during the full race day⁴.
- 3000 new components per week / 30,000 design modifications per season²



AI infused digital twins transform F1 racing

- The virtual replica will recommend the optimised component setup to achieve target values for aerodynamics and fuel levels from billions of possible combinations, accounting for weather conditions, the road condition of a particular race track, the number of brake and acceleration points, amongst other parameters.
- AI also helps determine which key information gets shown on a live dashboard depending on the car's status and locations on a track.

“The race to create the best AI will be paramount to succeed on track.” – McLaren³

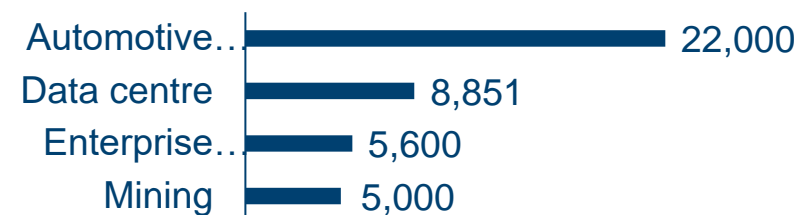
Source: 1. AWS, <https://aws.amazon.com/f1/>; 2. <A World Made of Speed>, Siemens; 3. <AI by design>, McLaren Applied; 4. <Big Data Powers F1>, Intel; 5. Imagine: Formula 1 2022 CFD Simulation, erolandinieto@Simscale

Transformational cost savings through digital twin applications

Unparalleled benefits

- Improving predictive maintenance
 - \$8bn annual cost to airline industry due to unscheduled maintenance. Adjustments to how turbines operate can save \$12m per year⁴
 - Siemens Energy improves its power plants' thermodynamic efficiency by over 60%, cuts scheduled down-time by 5.5 days per year, saving \$1.7bn cost a year⁵
- Accelerating prototyping and new product development
 - From 33% (Gas Turbine) to 25x (Rotating Machinery) design cycle time reduction²
 - Nearly 50% time-to-market reduction for Nissan and 30% reduction for Maserati¹
- Optimising asset deployment and lower operating cost
 - A jet engine that would normally be overhauled every 24 to 36 months would only require such a service after 38 months based on data from its digital twin³

Cost of 1 minute unplanned down time⁶⁻⁹ (USD)
– 10x the cost of scheduled downtime¹⁰
– 5% of process industry output value lost¹⁰



“Around 63% of all maintenance is unnecessary” – Aspen Technology¹¹

Source: 1. <Getting to market quickly>, Siemens; 2. Simulation and Optimisation Product Briefing, ANSYS; 3. MINDS-MACHINES 'Digital Twin' Technology, GE; 4. GE Global Research; 5. Nvidia, Nov 2021; 6. < Three Moves for CIOs to Lower Business Costs With Cloud >, Gartner, March 2017; 7. Advanced Technology Services, 2006; 8. <Emerson Network Power Study> , Emerson, Jan 2016; 9. UBS Report, 12 Sep 2013; 10. <Total Cost of Downtime>, Industry Week Magazine; 11. <How automation can transform mining>, Raconteur, April 2020; All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Autonomous Vehicles

Autonomous mining - a \$300bn+ market ripe for disruption



- Ventilation systems consume 50% of the total energy used in underground mines¹
- The mining industry has to reduce Scope 1 & 2 emissions by 30% by 2030

Autonomous is already the default option



- 19 million meters have been drilled autonomously by Epiroc machines already²
- Caterpillar autonomous trucks circle the globe twice a day³
- Full automation has reduced total operating costs by 30%

On-road vehicles



- 92% of US car crashes (40k deaths per year) are caused by human error⁵
- Autonomous vehicles could travel 66% of total passenger kilometers by 2040⁶



“

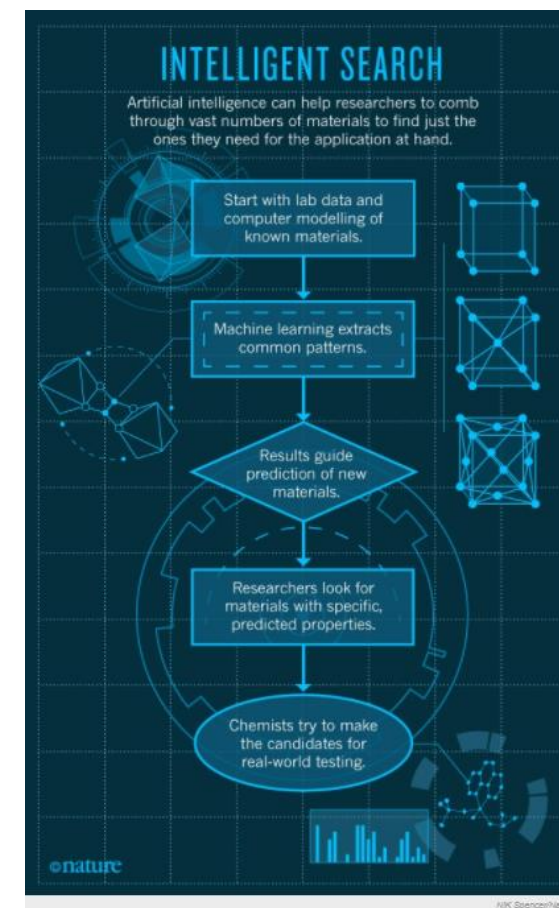
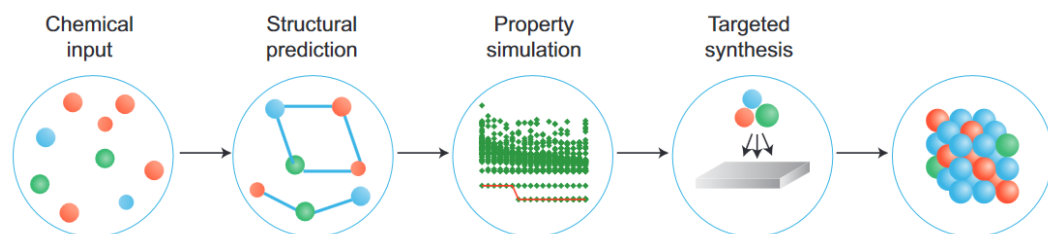
In 15 to 20 years... human-driven vehicles will be legislated off the highways. The tipping point will come when 20-30% of vehicles are fully autonomous. Countries will look at the accident statistics and figure out that human drivers are causing 99.9 percent of the accidents⁴”

– Bob Lutz, ex GM Vice-Chair

Source: 1. ABB, Canadian Mining Journal, May 2020; 2. Epiroc CMD 2020; 3. <A World Leader in Autonomous Mining>, Caterpillar, May 2020; 4. <Kiss the good times goodbye>, Bob Lutz, Automotive News, 2017; 5. <National Motor Vehicle Crash Causation Survey>, National Highway Traffic Safety Administration, 2008; 6. <The future of mobility is at our doorstep>, McKinsey, 2019; All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

AI is advancing new material discovery and R&D

- AI accelerates discovery in a massive market - googol (10^{100}) possible materials¹ and \$4trn TAM
- Computational research is bottlenecked by simulation cycles per day. More simulations mean a faster time to discovery²
- “We probably know about **1% of the properties of existing materials**” - Gerbrand Ceder, University of California, Berkeley³
- Embedded R&D in “green tech” can be leveraged in the same way as traditional tech



Source: 1. Can artificial intelligence create the next wonder material?>, [Nature](#), May 2016; 2. <Revolutionizing High Performance Computing>, Nvidia 3. <Can artificial intelligence create the next wonder material?>, [Nature](#), May 2016. It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Polar Capital Automation & AI Fund



Core and emerging themes to capture societal transformation

Artificial Intelligence



AI Enablers
AI Applications

Automation



Factory Automation
Digital Transformation

Emerging Themes



**Material &
Environmental Science**
Mobility & Connectivity
Demographic & Lifestyle

Source: Polar Capital.

This presentation is for one-on-one use with non-US professional investors only. Please refer to the Important Information at the end of this presentation.

The Automation and Artificial Intelligence Fund



Broad exposure to fundamental changes in business & society



A global equity, diversified portfolio

- (50-80 stocks) investing in the enablers and adopters of technology



Focus on companies that embrace new technologies to create a competitive advantage

- Technology adoption is driving better growth and profitability
- Opportunities are appearing beyond the universe of a traditional technology fund



80%+ active exposure¹

- Relative to global equity benchmark
- Dominated by bottom-up stock selection process
- Growing AI adoption across all industries facilitates broad sector diversification



Leveraging our experience as technology investors

- As one of the largest technology investment teams in Europe, we have an unparalleled track record in identifying and investing in transformational technologies and underestimated market opportunities



Technology is fundamentally disrupting business models

- Markets are large and adoption cycles are misunderstood
- Adoption is happening at a rapid rate
- Whole industry transformations are happening over 10 year cycles
- Product and sub-trend level disruption is happening within 3-5 year cycles

Source: 1. Polar Capital, as at 31 March 2022. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Technology is at the core of the Polar Capital business

One of the largest technology franchises in Europe with c.US\$12.1bn under management

Nine dedicated technology specialists – strong multi-cycle track record

Global Technology Fund
US\$7.0bn

Automation & Artificial Intelligence Fund
US\$644m

Polar Capital Technology Trust
US\$4.5bn

Fund Managers

Analysts

								
Nick Evans Partner	Ben Rogoff Partner	Xuesong Zhao Fund Manager	Fatima Iu Fund Manager	Alastair Unwin Fund Manager	Brad Reynolds Analyst	Paul Johnson Analyst	Nick Williams Analyst	Patrick Stuff Analyst
Experience 24 years	26 years	15 years	16 years	10 years	14 years	10 years	6 years	5 years
Sectors US	US	Asia (all-cap), global semi & semi cap equipment	Europe (all- cap), security, networking & healthcare	Global (all- cap) fintech, payments & SMB software	Internet, digital media, e-commerce	Gaming, autos & emerging tech inc.3D printing	Global (all- cap) healthcare, industrials & energy	Global small & mid-cap

Source: Polar Capital, 31 March 2022.

Polar Capital Automation & Artificial Intelligence Fund



A global equity fund investing in future disruption

- Global, multi-cap portfolio
- AUM: £489.8m
- Active share: 85%
- Outperformed its BM by 20.5% over 3 years¹



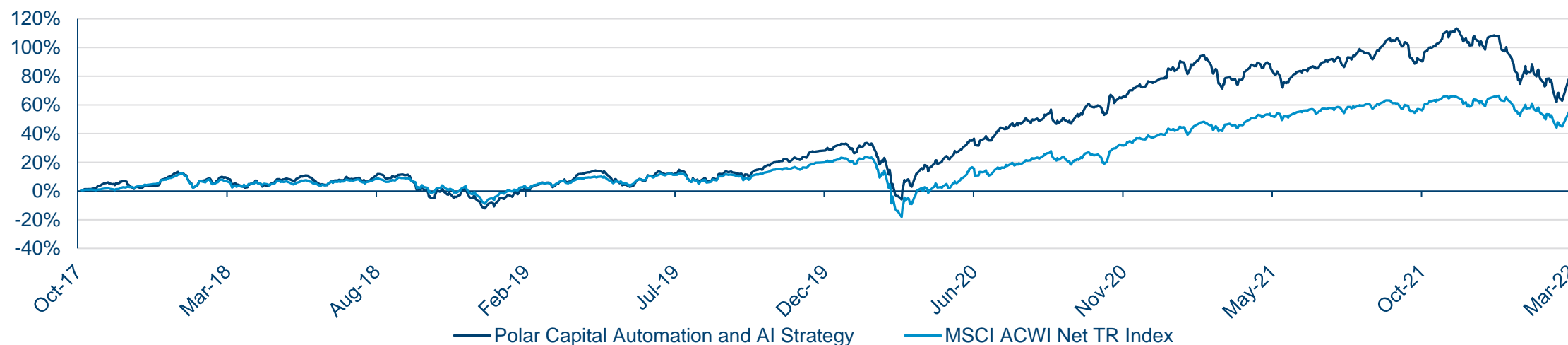
Xuesong Zhao
Lead Fund Manager



Ben Rogoff
Partner



Nick Evans
Partner



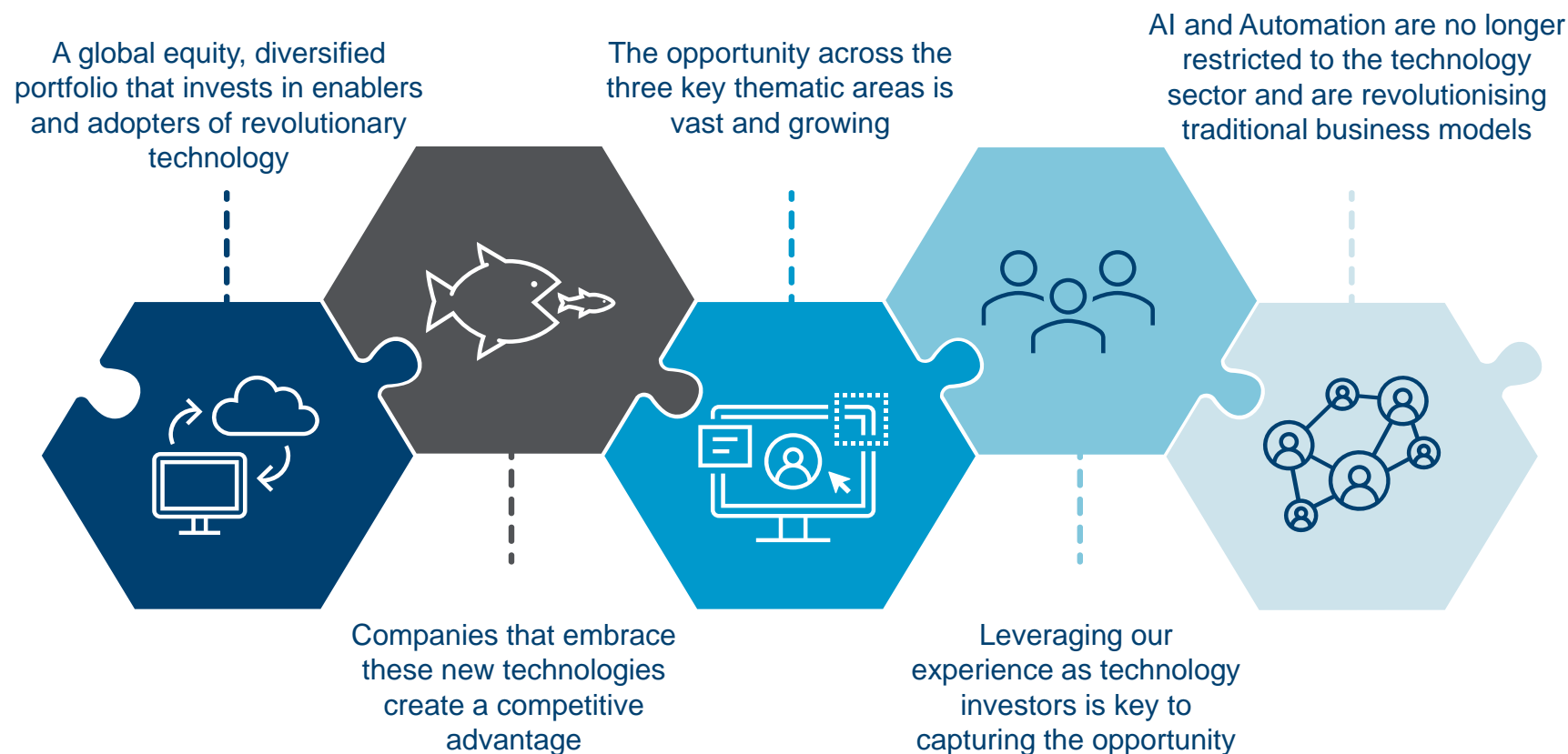
Source & Copyright: Polar Capital and Bloomberg. **Date:** 31 March 2022.¹ Performance is stated in USD I Acc Share Class which was launched on 06 October 2017. **Benchmark:** MSCI AC World Index TR Net Index. ©2022 Morningstar. All Rights Reserved. Rating representative of the I USD Acc Share Class, as at 28/02/2022. Ratings may vary between share classes. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information. Past performance is no guarantee of future results. For more detailed information about the Morningstar Rating or Morningstar Analyst rating, including its methodology, please go to: <http://corporate1.morningstar.com/AnalystRating/>. Past performance is not indicative or a guarantee of future returns.

Secular Shifts	Experience	Company Analysis
<ul style="list-style-type: none"> Identify markets where technology can transform business models Multi-year industry transformations (10 year cycles) Sub themes/trends (3-5 year cycles) 	<ul style="list-style-type: none"> Understanding the roadmap of technology adoption “S curve” penetration analysis Understanding that tech is not mean reverting – “winners keep winning” 	<ul style="list-style-type: none"> Identify companies embracing new technologies to create competitive advantage Companies with ability to outperform expectations Tech leadership can drive revenue and margin growth
Team Depth	ESG	Portfolio Construction
<ul style="list-style-type: none"> Company meetings (1000+ pa) Industry & sell side conferences Real world observations and expert networks Cross team and cross sector idea generation 	<ul style="list-style-type: none"> Combining first party data with reputable third party sources Overlay data with proprietary materiality framework Ongoing monitoring and regular review Active ownership and frequent engagement 	<ul style="list-style-type: none"> Diversified portfolio on stock, sector and theme basis Cyclical considerations where appropriate Valuation framework (peer group, cross-sector multiples, DCF) Risk factors / Liquidity

Source: Polar Capital. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.

Summary

Broad exposure to fundamental changes in business & society



Source: Polar Capital. All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital.



Appendix

Thematic Breakdown

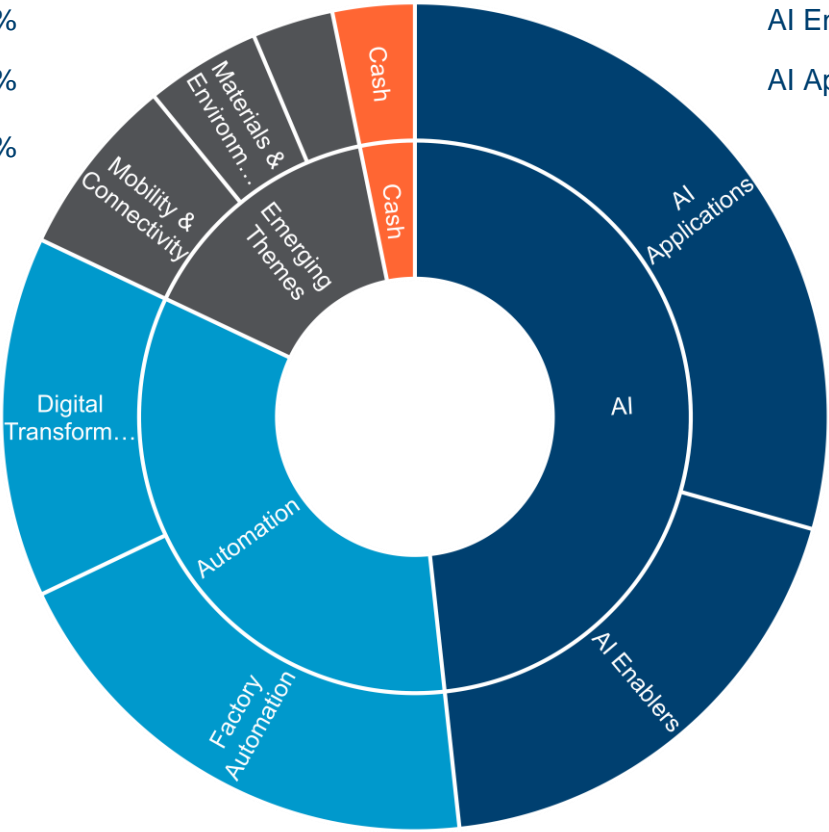


Emerging Themes	14.75%
Mobility & Connectivity	7.09%
Materials & Environmental Science	4.51%
Demographic & Lifestyle	3.16%

AI	48.28%
AI Enablers	18.91%
AI Applications	29.37%

Automation	33.75%
Factory Automation	19.67%
Digital Transformation	14.08%

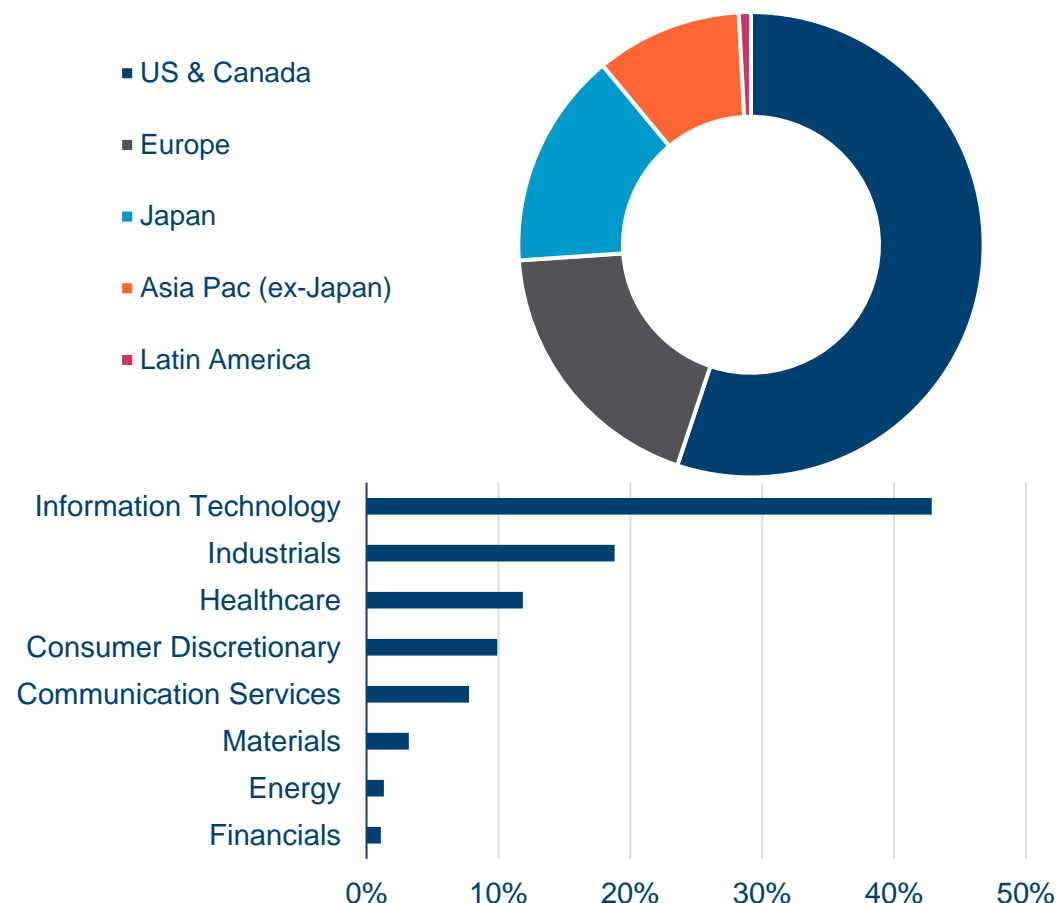
Cash	3.21%
------	-------



Source: Polar Capital, 31 March 2022. Totals may not sum due to rounding. It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. Past performance is not indicative or a guarantee of future returns.

Portfolio Breakdown

Sector & Geographical Breakdowns



Top 10 Holdings	%
Microsoft	5.2%
NVIDIA	4.7%
Alphabet	4.6%
Amazon	4.3%
UnitedHealth Group	3.6%
Schneider Electric SE	3.2%
TSMC	3.0%
Emerson Electric Co	2.5%
eMemory Technology	2.4%
Rockwell Automation	2.4%

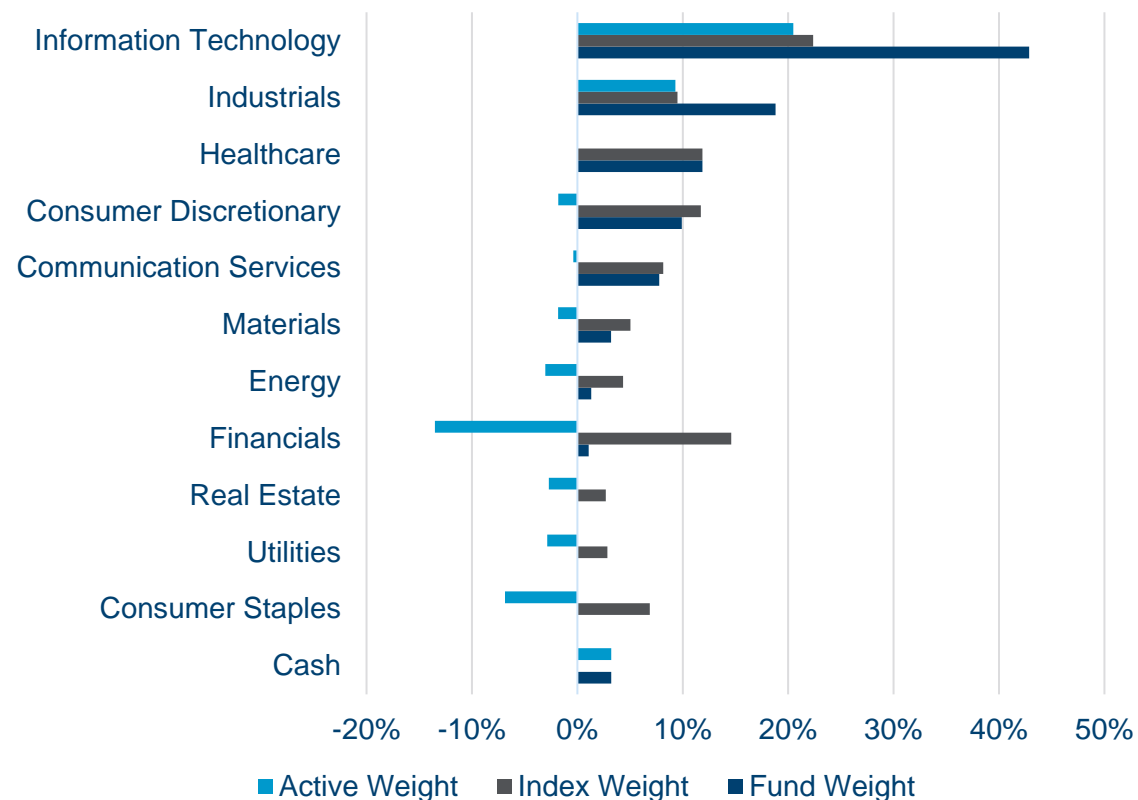
Source: Polar Capital, 31 March 2022. Totals may not sum due to rounding. It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. Past performance is not indicative or a guarantee of future returns.

Portfolio Characteristics

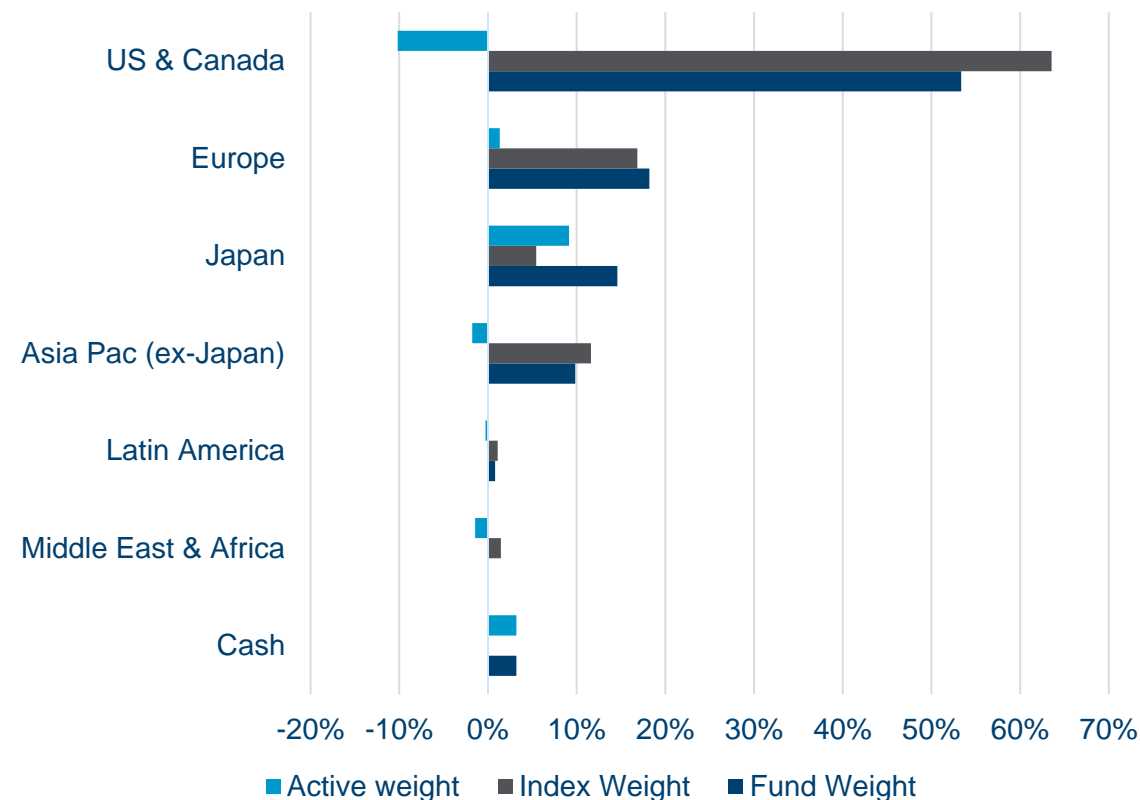


Sector & Regional Breakdowns

Sector Breakdown



Regional Breakdown



Source: Polar Capital, as at 31 March 2022. GICS Sector (Level 1) Exposure. It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. Past performance is not indicative or a guarantee of future returns. **Benchmark:** MSCI All Country World (ACWI) Net TR Index.

Positions



Top 20 positions and our classification	
Name	Theme
Microsoft	AI
NVIDIA	AI
Alphabet	AI
Amazon	Automation
UnitedHealth Group	AI
Schneider Electric SE	Automation
TSMC	AI
Emerson Electric Co	Automation
eMemory Technology	AI
Rockwell Automation	Automation
Advanced Micro Devices	AI
Micron Technology	AI
Tokyo Electron	AI
Epiroc AB	Automation
Byd Co	Emerging Themes
Shin-Etsu Chemical	AI
KLA Tencor	AI
Thermo Fisher Scientific	Emerging Themes
RELX	AI
Hoya	AI

This presentation is for one-on-one use with non-US professional investors only. Please refer to the Important Information at the end of this presentation.

Portfolio Characteristics



Automation and Artificial Intelligence Fund versus MSCI ACWI Index portfolio style skyline

STYLE SKYLINE™



Portfolio: Automation & AI
 Benchmark: MSCI ACWI Index
 Snapshot Date: 28/Feb/2022
 Currency: USD



Historical		
	Portfolio	MSCI ACWI Net TR
Trailing 3Y Sales Growth	11.23	8.10
Trailing 3Y Earnings Growth	11.14	10.46
Historical EV/FCF	35.37	19.29
P/S	4.51	2.29
EV/S	4.92	3.06
EV/EBIT	31.11	23.73
EV/EBITDA	21.45	16.23
Gross Profit Margin	51.34%	43.88%
Debt/Equity	52.67%	106.80%

Forward looking		
	Portfolio	MSCI ACWI Net TR
IBES 1YR P/E	26.47	18.17
IBES 2YR P/E	22.73	16.67
IBES Div Yield	1.16%	2.00%
IBES Sales 12m Growth	19.81%	11.61%
IBES 12m Earnings Growth	23.09%	13.11%

Source: Style Research and The Polar Capital Risk Team, as at 28 February 2022. Benchmark: MSCI All Country World (ACWI) Net TR Index. Currency: USD. Past performance is not indicative or a guarantee of future returns.

Important Information: This is a marketing communication. This document is provided for the sole use of the intended recipient. The Automation & Artificial Intelligence Fund (the "Fund") is a sub-fund of Polar Capital Funds plc -which is authorised by the Central Bank of Ireland as an Undertaking for Collective Investment in Transferable Securities under the European Communities (Undertakings for Collective Investment in Transferable Securities) Regulations 2011 (S.I. 352/2011), as amended. Bridge Fund Management Limited ("BFML") Registered Office: Ferry House, 48-53 Mount Street Lower, Dublin 2, act as the management company and is regulated by the Central Bank of Ireland. This document has been prepared by Polar Capital for informational purposes only for the sole use of the intended recipient. It does not seek to make any recommendation to buy or sell any particular security (including shares in the Fund) or to adopt any specific investment strategy. This document does not contain information material to an investor's decision to invest in the Fund. Shares in the Fund are offered only on the basis of information contained in the prospectus, key investor information document ("KIID"), and the latest annual audited accounts. Copies are available free of charge from Polar Capital at the below address, on www.polarcapital.co.uk or via email, by contacting Investor-Relations@polarcapitalfunds.com. The KIID is available in Danish, Dutch, English, French, German, Italian, Norwegian, Spanish and Swedish. The prospectus is available in English.

Investor Rights: A summary of investor rights associated with an investment in the Fund is available online in English at <https://www.polarcapital.co.uk/gb/professional/Literature-and-Prices/Literature-Library/> or can be requested via email by contacting Investor-Relations@polarcapitalfunds.com. Regulatory Status: Polar Capital LLP is a limited liability partnership (OC314700), authorised and regulated by the UK Financial Conduct Authority and is registered as an investment adviser with the US Securities & Exchange Commission. A list of members is open to inspection at 16 Palace Street, London, SW1E 5JD. FCA authorised and regulated Investment Managers are expected to write to investors in funds they manage with details of any side letters they have entered into. The FCA considers a side letter to be an arrangement known to the investment manager which can reasonably be expected to provide one investor with more materially favourable rights, than those afforded to other investors. These rights may, for example, include enhanced redemption rights, capacity commitments or the provision of portfolio transparency information which are not generally available. The Fund and the Investment Manager are not aware of, or party to, any such arrangement whereby an investor has any preferential redemption rights. However, in exceptional circumstances, such as where an investor seeds a new fund or expresses a wish to invest in the Fund over time, certain investors have been or may be provided with portfolio transparency information and/or capacity commitments which are not generally available. Investors who have any questions concerning side letters or related arrangements should contact the Polar Capital Desk at the Administrator on (+353) 1 434 5007. The Fund is prepared to instruct the custodian of the Fund, upon request, to make available to investors portfolio custody position balance reports monthly in arrears.

Third-party Data: Some information contained herein has been obtained from third party sources and has not been independently verified by Polar Capital. Neither Polar Capital nor any other party involved in or related to compiling, computing or creating the data makes any express or implied warranties or representations with respect to such data (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any data contained herein.

Holdings: Portfolio data is "as at" the date indicated and should not be relied upon as a complete or current listing of the holdings (or top holdings) of the fund. The holdings may represent only a small percentage of the aggregate portfolio holdings, are subject to change without notice, and may not represent current or future portfolio composition. Information on particular holdings may be withheld if it is in the fund's best interest to do so. A historic complete list of the portfolio holdings may be made available upon request. It should not be assumed that recommendations made in future will be profitable or will equal performance of the securities in this document. A list of all recommendations made within the immediately preceding 12 months is available upon request. This document is designed to provide updated information to professional investors to enable them to monitor the Fund. No other persons should rely upon it. The information provided in this document should not be considered a recommendation to purchase or sell any particular security.

Information Subject to Change: The information contained herein is subject to change, without notice, at the discretion of Polar Capital and Polar Capital does not undertake to revise or update this information in any way.

Forecasts: References to future returns are not promises or estimates of actual returns Polar Capital may achieve, and should not be relied upon. The forecasts contained herein are for illustrative purposes only and are not to be relied upon as advice or interpreted as a recommendation. Forecasts are based upon subjective estimates and assumptions about circumstances and events that may not yet have taken place and may never do so.

Important Information cont.



Polar Capital, 16 Palace Street, London SW1E 5JD

Statements/Opinions/Views: All opinions and estimates constitute the best judgment of Polar Capital as of the date hereof, but are subject to change without notice, and do not necessarily represent the views of Polar Capital. This material does not constitute legal or accounting advice; readers should contact their legal and accounting professionals for such information. All sources are Polar Capital unless otherwise stated.

Benchmark: The Fund is actively managed and uses the MSCI ACWI Net TR Index as a performance target and to calculate the performance fee. The benchmark has been chosen as it is generally considered to be representative of the investment universe in which the Fund invests. The performance of the Fund is likely to differ from the performance of the benchmark as the holdings, weightings and asset allocation will be different. Investors should carefully consider these differences when making comparisons. Further information about the benchmark can be found <https://www.msci.com/acwi>. The benchmark is provided by an administrator on the European Securities and Markets Authority (ESMA) register of benchmarks which includes details of all authorised, registered, recognised and endorsed EU and third country benchmark administrators together with their national competent authorities.

Performance: The performance shown has been calculated to account for the deduction of fees and expenses and includes the reinvestment of dividends and capital gain distributions. £ or GBP/US\$/JPY/EUR/CHF = Currency abbreviations of: British Pound sterling/US Dollar/Japanese Yen/Euro/Swiss Franc, respectively.

Allocations: The strategy allocation percentages set forth in this document are estimates and actual percentages may vary from time-to-time. The types of investments presented herein will not always have the same comparable risks and returns. Please see the private placement memorandum for a description of the investment allocations as well as the risks associated therewith. Please note that the Fund may elect to invest assets in different investment sectors from those depicted herein, which may entail additional and/or different risks. Performance of the Fund is dependent on the Investment Manager's ability to identify and access appropriate investments, and balance assets to maximize return to the Fund while minimizing its risk. The actual investments in the Fund may or may not be the same or in the same proportion as those shown herein.

Risk: Factors affecting fund performance may include changes in market conditions (including currency risk) and interest rates, as well as other economic, political, or financial developments. The Fund's investment policy allows for it to enter into derivatives contracts. Leverage may be generated through the use of such financial instruments and investors must be aware that the use of derivatives may expose the Fund to greater risks, including, but not limited to, unanticipated market developments and risks of illiquidity, and is not suitable for all investors. Past performance is not a guide to or indicative of future results. Future returns are not guaranteed and a loss of principal may occur. Polar Capital may also receive a performance fee based on the appreciation in the NAV per share and accordingly the performance fee will increase with regard to unrealised appreciation, as well as realised gains. The performance fee may create an incentive for Polar Capital to make investments for Polar Capital Funds plc which are riskier than would be the case in the absence of a fee based on the performance of Polar Capital Funds plc.

Country Specific Disclaimers: It is the responsibility of any person/s in possession of this document to inform themselves of, and to observe, all applicable laws and regulations of any relevant jurisdiction. Neither Polar Capital nor Polar Capital Funds plc shall be liable for, and accept no liability for, the use or misuse of this document. If such a person considers an investment in Shares of the Fund, they should ensure that they have been properly advised about the suitability of an investment. Please be aware that not every sub-fund of Polar Capital Funds plc or share class is available in all jurisdictions. A decision may be taken at any time to terminate the arrangements made for the marketing of the Fund in any EEA Member State in which it is currently marketed. In such circumstances, Shareholders in the affected EEA Member State will be notified of this decision and will be provided with the opportunity to redeem their shareholding in the Fund free of any charges or deductions for at least 30 working days from the date of such notification.

Italy: The Fund is registered in Italy for public distribution. Further information is provided in the prospectus, available in English language, and in the Italian KIIDs filed with the Italian Supervisory Authority (Consob). The principal fund documents (prospectus, KIIDs, memorandum and articles of association, annual report and semi-annual report) may be obtained free of charge from the Italian distributors and from the website <https://ucitsfunds.polarcapital.co.uk/>. The updated list of distributors in Italy is available from the distributors themselves and on the mentioned website. Investors are recommended to read carefully the Prospectus and the KIID before investing. It is recommended to read the most recent annual financial statement to obtain more detailed information on the investment policy effectively pursued by the Fund. Past performance is not a reliable indicator of future returns. Yields are represented gross of taxation.

Australia: Neither Polar Capital nor Polar Capital Funds plc are registered as a foreign company in Australia. The provision of this document to any person does not constitute an offer of shares of Polar Capital Funds plc to any person or an invitation to any person to apply for shares of Polar Capital Funds plc. Any such offer or invitation will only be extended to a person in Australia if that person is a sophisticated or professional investor for the purposes of section 708 of the Corporations Act 2001 of Australia ("Corporations Act") and a 'wholesale client' for the purposes of section 761G of the Corporations Act. This document is not intended to be distributed or passed on, directly or indirectly, to any other class of persons in Australia. This document is not a disclosure document under Chapter 6D of the Corporations Act or a Product Disclosure Statement under Part 7.9 of the Corporations Act. It is not required to, and does not, contain all the information which would be required in a disclosure document or a Product Disclosure Statement. It has not been lodged with the Australian Securities and Investments Commission. Any person to whom shares of Polar Capital Funds plc are issued or sold must not, within 12 months after the issue, offer, transfer or assign those shares to investors in Australia except in circumstances where disclosure to investors is not required under the Corporations Act.

Hong Kong: The Fund is a collective investment scheme as defined in the Securities and Futures Ordinance (Cap. 571) (the "SFO") but is not authorised under Section 104 of the SFO by the Securities and Futures Commission of Hong Kong ("SFC"). This document does not constitute an offer or invitation to the public in Hong Kong to acquire interests in the Fund. In addition, this document has not been approved by the SFC nor has a copy of it been registered with the Registrar of Companies in Hong Kong, and therefore may only be issued or possessed for the purpose of issue to persons who are "professional investors" under the SFO and any rules made under that Ordinance or as otherwise permitted by the SFO.

The Netherlands: This factsheet is for professional client use only in the Netherlands and it is intended that the Fund will only be marketed to professional clients in the Netherlands. Polar Capital Funds plc is authorized to offer shares in the Automation & Artificial Intelligence Fund to investors in the Netherlands on a cross border basis and is registered as such in the register kept by the Dutch Authority for the Financial Markets ("AFM") www.afm.nl.

Portugal: The Automation & Artificial Intelligence Fund has been passported into Portuguese jurisdiction pursuant to Directive 65/2009/EU of the European Parliament and of the Council, of 13 July 2009 and Regulation 584/2010, of 1 July 2010, and are registered with the Portuguese Securities Commission (CMVM) for marketing in Portugal.

Spain: The Fund is registered in Spain with the Comision Nacional del Mercado de Valores ("CNMV") under registration number 771.

Switzerland: The principal fund documents (the prospectus, KIIDs, memorandum and articles of association, annual report and semi-annual report) of the Fund may be obtained free of charge from the Swiss Representative. In respect of the shares distributed in Switzerland, the place of performance and the place of jurisdiction is at the registered office of the Swiss Representative. The Fund is domiciled in Ireland. The Swiss representative and paying agent is BNP Paribas Securities Services, Paris, succursale de Zurich, Selnaustrasse 16, CH-8002 Zurich, Switzerland.

Austria / Denmark (professional only) / Finland / Germany / Ireland / Luxembourg / Norway / Spain / Sweden and the United Kingdom: The Fund is registered for sale to all investors in these countries. Investors should make themselves aware of the relevant financial, legal and tax implications if they choose to invest.