**BlackRock** 

# Thematic investing by BlackRock

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Thematic solutions for your portfolio

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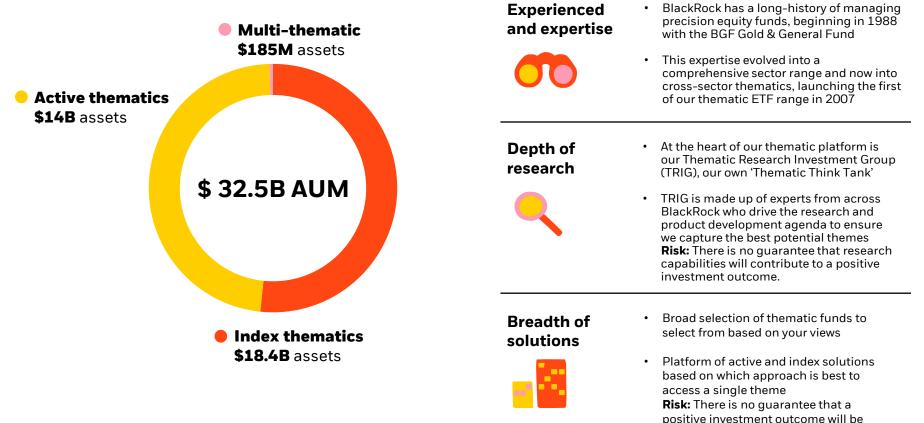
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## **BlackRock's Thematic platform**

We have designed a \$33B thematics platform offering both index and alpha single-theme products, as well as multi-theme solutions.



Source: BlackRock, as at 31 January 2023. Figures are shown in USD.

#### **BlackRock: Pioneering choice in thematics**

achieved.

# Thematic investing

Why thematics?



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# Megatrends are high probability outcomes in an uncertain world.

Evy Hambro Global Head of Thematic and Sector Based Investing

BlackRock

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## Megatrends are driving change

Megatrends are the long-term, transformational forces influencing the future of our global economy & society. BlackRock believes five key trends will drive seismic shifts today and for years to come:

## Climate change and resource scarcity

Demand for a clean, green tomorrow will advance energy and conservation.

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## Demographics and social change

Longer lifespans and modern lifestyles will change medicine and consumer habits.



## Changing economic power

Newly affluent consumers will expand in Asia and across Emerging Markets.

## **Rapid urbanisation**

Mass migration to cities will require new business models and infrastructure.



## Technological breakthrough

Technology is driving exponential progress in the tech sector and far beyond.

Source: BlackRock, December 2022. For illustrative purposes only.

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## What is a Thematic Fund and why invest?

At the intersection of one or more broad megatrends, we find narrower, investable themes. These themes can be accessed through our thematic funds:

#### What is it?



A Fund investing across sectors and geographies...

...in companies set to benefit from a global structural change backed by *The Megatrends* 



...which provides differentiated exposure to broad global equities over the long term

Leading to a portfolio that we

believe should provide

outperformance of global

equities over the long term

#### Why invest?



Exposure to companies that should experience aboveaverage earnings growth

The market typically underestimates the speed of disruption

Source: BlackRock, July 2022. For illustrative purposes only.

**Risk:** Diversification and asset allocation may not fully protect you from market risk. There can be no guarantee that the investment strategy can be successful and the value of investments may go down as well as up.

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# Thematic investing

Our thematics range

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## **BlackRock Thematics organisation**



**Evy Hambro Global Head of Thematic** and Sector Investing



Sumana Manohar Head of Thematic Research for Fundamental **Active Equities** 

Active

**17**Portfolio Managers **16**Investment Analysts

**Alex Foster** 

Product Strategist



**Rob Powell, CFA** Head of Thematic and Sector Product Strategy



**Brett Pybus** Head of Investment & Product Strategy for iShares EMEA



**Benoit Sorel** Head of Product for iShares EMEA

**Omar Moufti, CFA, CAIA** Thematic & Sector **ETF Product Specialist** 

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## Product research & innovation experts

**Courtney O'Shea Product Strategist** 

Lucia Feyles EMEA Head of Product **Research & Innovation** 

Proprietary platform integrates portfolio management, risk analytics, trading and operations

#### Anna Kashnikova Product Research & Innovation

**BlackRock Investment Institute** 

#### Trading

Fred Wood

**Product Strategist** 

Centralised trading function and capital markets presence helps increase

**Risk & Quantitative Analysis** 

liquidity and improve execution

Leverage BlackRock Solutions® analytics and Risk & Quantitative Analysis Group to help generate alpha

#### Aladdin®

Connects investors across BlackRock to help them make better investment decisions

Source: BlackRock, July 2022. For illustrative purposes only.

#### **BlackRock's Thematic 'Think Tank'**

20 investment professionals from across BlackRock meeting monthly

Representatives from Fundamental Equity, Equity Index Investments, BlackRock Sustainable Investing, Multi-Asset and Risk & Quantitative Analysis

#### Role

Research and approve / reject new themes proposed for products

Research if active or index approach is more optimal for proposed themes

Monitor progress of themes for existing products

### Thematic

Research Investment Group (TRIG)

#### **BlackRock's Advantage in Thematics**

Global reach

Scale of resources

Access to companies

#### **Portfolio construction process**

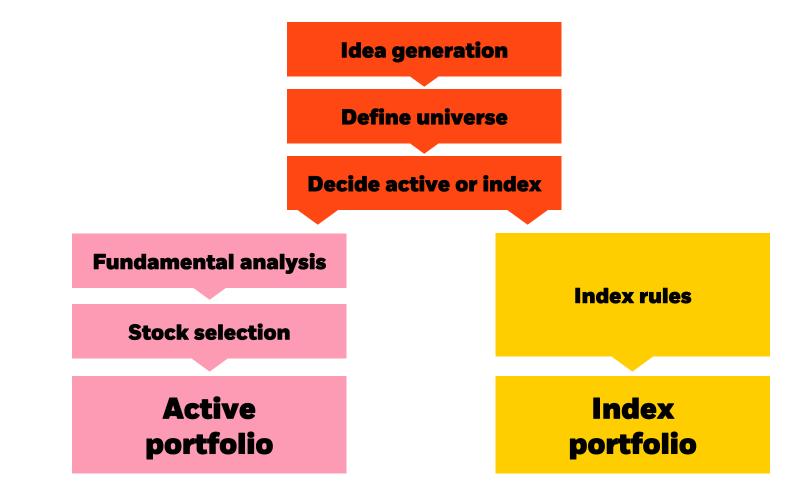
Active: fundamental analysis conducted by named portfolio managers and associated analysts to pick and weight stocks

Index: universe mapped using FactSet RBICS data, indices equal-weighted with annual rebalance

BlackRock, January 2023. For illustrative purposes only.

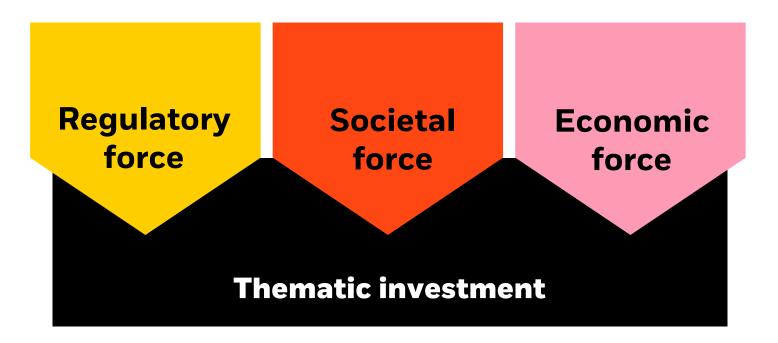
## **Process for launching thematic funds**

Launch process coordinated by the Thematic Research and Investment Group



Source: BlackRock, December 2022. For illustrative purposes only.





Source: BlackRock, December 2022. For illustrative purposes only.

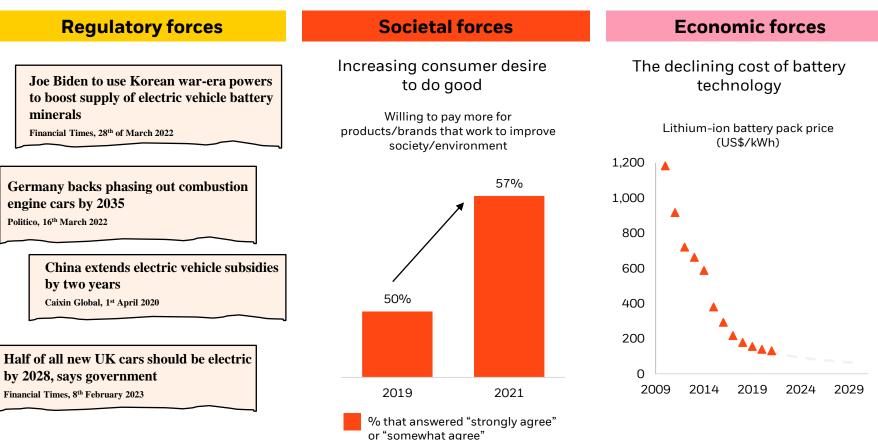
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## At a tipping point

Regulatory, societal and economic forces are tailwinds for long-term, secular trends, **such as** electric vehicles:



Source: Left: Various news websites, accessed 11/04/22. Middle: EPA and Globe Scan, 11<sup>th</sup> of April 2022, survey based on 30,000 interviews across 31 markets. Right: Bloomberg New Energy Finance, 31/12/21. For illustrative purpose only. All amounts are expressed in USD. There is no guarantee that any forecasts made will come to pass.

## Choosing between an active or index approach

| Active | Better suited<br>approach<br>considerations  | Index  |
|--------|--|--------|
| Broad  | How broad is the investment universe?  | Narrow |
| Yes    | Is there likely to be high<br>divergence in the<br>performance of companies<br>related to the theme? | Νο     |
| Yes    | Is there a significant<br>opportunity to participate<br>in IPOs                                      | Νο     |

Source: BlackRock, December 2022. For illustrative purposes only.

## **BlackRock's Thematic Platform**

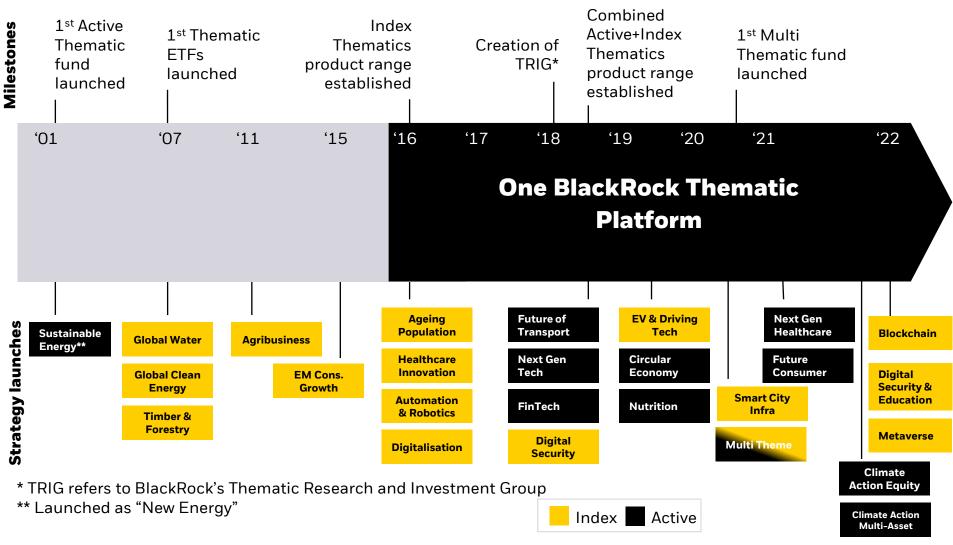
| Sustainable Energy  | Global Water             | Nutrition                     | Healthcare Innovation          | Multi-<br>Theme |
|---------------------|--------------------------|-------------------------------|--------------------------------|-----------------|
| Global Clean Energy | Global Timber & Forestry | Agribusiness                  | Next Generation<br>Health Care | <b>A</b>        |
| Climate Action      | 5 megatren               | ds                            | Ageing Population              |                 |
| Circular Economy    |                          | <b>9 9 9</b>                  | Inclusion & Diversity<br>OPEN  |                 |
| Smart City Infra    | Digitalisation           | Next Generation<br>Technology | EM Consumer Growth             |                 |
| EV & Driving Tech   | Digital Security         | Digital Ent. & Education      | Future Consumer                |                 |
| Future of Transport | Automation & Robotics    | Metaverse                     | Blockchain Technology<br>BLKC  |                 |
| Active funds        | ETFs 💋 SFDR Article 8    | 💋 💋 SFDR Article 9            | Fintech                        |                 |

References to specific investments are for illustrative purposes only and are not intended and should not be interpreted as recommendations to purchase or sell such investments. Source: BlackRock, January 2023.

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## A timeline of Thematics at BlackRock



Source: BlackRock, January 2023. For illustrative purposes only. Themes listed in alphabetical order.

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## Spotlight Themes

Thematics in action

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## **Circular Economy theme**

## The theme

Investing in: companies that benefit from the transition to the Circular Economy. The Circular Economy encapsulates the global shift from a linear take-make-use-waste economy to one in which goods are recycled, shared, re-used and / or used for longer to design waste out of the system.



### Why now for this theme?

### **Regulatory force:**

Governments are increasingly cracking down on waste e.g. China's National Sword Policy, Italy's plastic tax.

### **Societal force:**

Waste is an increasing concern for consumers, whilst media attention is growing rapidly. Millennial preferences are also switching from ownership to access.

#### **Economic force:**

The cost of waste is rising, whilst recycling technology is improving. Global brands have announced pledges and targets for 2023-25.

Source: BlackRock, December 2022. For illustrative purposes only.

## What does the Fund invest in?

|               | Description  | Examples  | Purity of exposure  |
|---------------|--|---|---|
| Enablers      | Companies providing<br>solutions aimed at<br>solving inefficient<br>material use                                   | Plastics recycling,<br>biomaterials, resale<br>platforms, wood-<br>based fibres       | <ul> <li>✓ Direct revenue exposure</li> <li>✓but low % threshold for nascent technologies</li> <li>✓ Other revenues need to be sustainability-linked</li> </ul>   |
| Beneficiaries | Companies that<br>supply alternatives to<br>materials that cannot<br>be recycled                                   | Paper packaging,<br>aluminium cans  | <ul> <li>✓ Indirect revenue exposure</li> <li>✓and high % threshold given established businesses</li> <li>✓ Suppliers to alternative materials also included</li> </ul>   |
| Adopters      | Companies adopting<br>'circularity' in their<br>businesses in a way<br>that is meaningful and<br>earnings positive | Recycled /<br>recyclable materials,<br>take back schemes,<br>product-as-a-<br>service | <ul> <li>✓ Input and expertise from the Ellen MacArthur<br/>Foundation</li> <li>✓ Stated company strategy / targets</li> <li>✓ % of sales /cost exposure / brand accretive /<br/>recurring revenues / industry leading</li> </ul> |

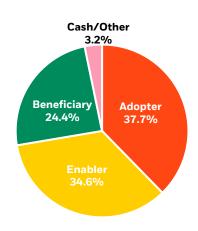
| Examples of companies | Oil and gas producers, disposable packaging producers, fast fashion or low durability |
|-----------------------|---|
| we avoid:             | apparel brands  |

Source: BlackRock, December 2022. For illustrative purposes only.

## Positioning

| Portfolio<br>manager(s):        | Evy Hambro, Sumana Manohar<br>and Olivia Markham |  |  |  |
|---------------------------------|--|--|--|--|
| Launch date:                    | 2 <sup>nd</sup> of October 2019                  |  |  |  |
| AUM:                            | US\$1.75 billion                                 |  |  |  |
| Number of<br>holdings:          | 44   |  |  |  |
| Weighted-average<br>market cap: | US\$109,546m                                     |  |  |  |

#### Sector positioning



| Top 10 holdings    | % of the Fund |
|--------------------|---------------|
| UPM-Kymmene        | 3.7%          |
| ThermoFisher       | 3.6%          |
| Schneider Electric | 3.4%          |
| Epiroc AB          | 3.1%          |
| ХГД                | 3.0%          |
| Microsoft          | 3.0%          |
| Nestle             | 3.0%          |
| Waste Management   | 3.0%          |
| Graphic Packaging  | 3.0%          |
| Republic Services  | 3.0%          |
| Total              | 31.9%         |

Source: BlackRock, 31 December 2022. For illustrative purposes only. Reference to the names of each company mentioned in this communication is merely for illustrative purposes and should not be construed as investment advice or investment recommendation of those companies.

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## **Smart City Infrastructure: Sustainable urban environments**

## The theme

The growth in population and the ongoing migration from the countryside to cities is creating challenges and opportunities leading to a new generation of megacities.

This metropolitan shift will create markets that are very different from those in older, more-established conurbations, enabling a diverse range of Smart City Infrastructure-oriented companies to potentially benefit from these long-term trends.

The iShares Global Smart City Infrastructure UCITS ETF tracks the STOXX Global Smart City Infrastructure index, offering diversified exposure to this theme.

### Access these Megatrends

## Why now for this theme?

## **Population growth**

Global population growth will come mainly from cities, requiring a rethinking of the urban landscape

#### With a sustainable focus

The old model of "take, make, waste" is not a sustainable archetype at scale





#### Climate change

Shifting demographics urbanisation



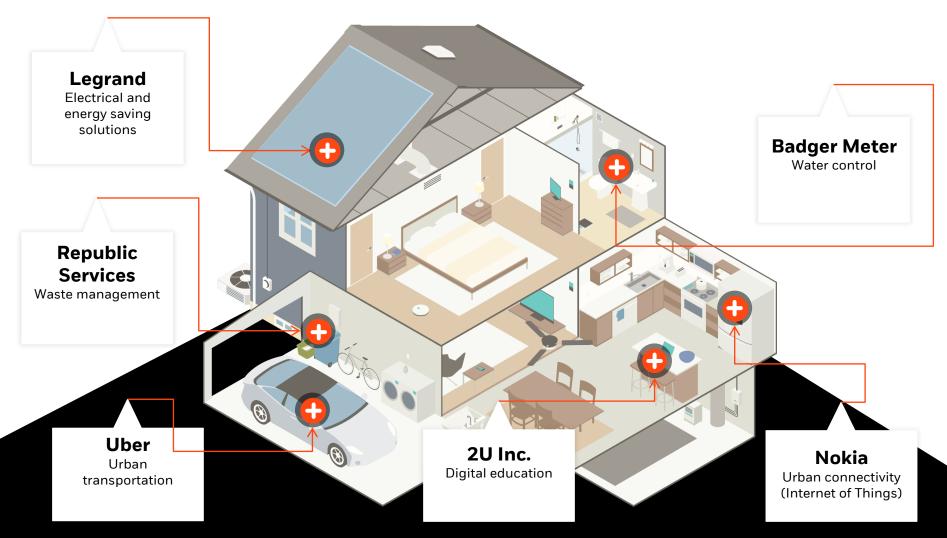
Rapid

#### Technological breakthrough

## Facilitated by technology

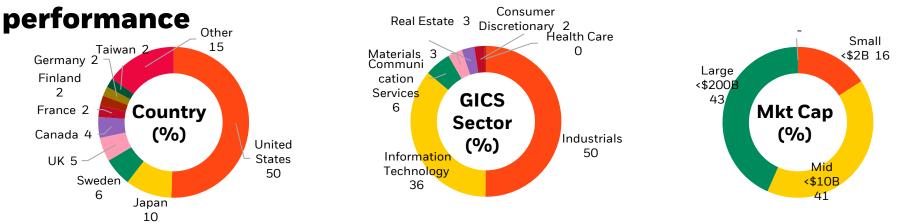
Connectivity, mobility and efficiency underpin the cities of the future

## Smart city infrastructure – capturing the trend



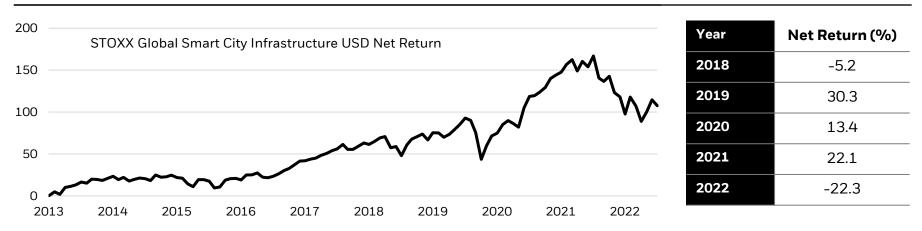
For illustrative purposes only. Reference to the names of each company mentioned in this communication is merely for explaining the investment strategy, and should not be construed as investment advice or investment recommendation of those companies.

## **Smart City Infrastructure: Index characteristics &**



#### Cumulative performance (%), since inception

Last five full calendar years' performance



The figures shown relate to past performance. Past performance is not a reliable indicator of current or future results and should not be the sole factor of consideration when selecting a product or strategy. Source: BlackRock, Bloomberg; performance as of 30 Dec 2022, exposures as of 30 Dec 2022. Characteristics subject to change. Index performance returns do not reflect any management fees, transaction costs or expenses. Indices are unmanaged and one cannot invest directly in an index.

## Multitheme

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Broad thematic exposure

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## **BGF Multi-Theme Equity Fund**

Thematic fund-of-funds solution for those wanting broad exposure to thematics:

Provides exposure to the five key Megatrends influencing
the future of our global economy and society

A single portfolio of broad thematics, managed by multi-asset experts Ability to capture tactical investment opportunities as well as the long-term premium inherent in thematic investing

#### Investment process

Start with single themes from the BlackRock thematic platform

| Ageing<br>population                              | Agribusines<br>s         | Automatio<br>n &<br>Robotics      | Circular<br>Economy              | Digitalizati<br>on        | Digital<br>Security            |  |
|---|--------------------------|-----------------------------------|----------------------------------|---------------------------|--------------------------------|--|
| Electric<br>Vehicles<br>and Driving<br>Technology | EM<br>Consumer<br>Growth | FisTech                           | Fature of<br>Transport           | Gisbal<br>Clean<br>Energy | Gisbai<br>Timber &<br>Forestry |  |
| Global<br>Water                                   | Healthcare<br>Innovation | Senart City<br>Infrastruct<br>ure | Next<br>Generation<br>Technology | Nutrition                 | Sustainable<br>Energy          |  |

**Strategic exposure** Optimise weights based on longterm views **Dynamic overlay** Take into account short-term signals on single themes to enhance returns

BGF Multi-Theme Equity Fund

For illustrative purposes only. Source: BlackRock, December 2022.

**Risk:** There can be no guarantee that the investment strategy can be successful and the value of investments may go down as well as up.



## How investors allocate to thematic funds

## **Risk-returns**

Thematics can improve the risk-return profile of an equity or multi-asset portfolio.

## **ACWI of the Future**

Thematics' active risk may decline over time as the theme is fulfilled and increases its share in the overall benchmark.



## A new dimension

There may exist a Thematic premium: an additional dimension by which to view a portfolio, beyond traditional country, sectors, factors, etc.

## Thematics at the core

We suggest an innovative approach placing Thematics/ Megatrends as core strategic holdings, and managing ensuing biases with regional, sectors and factor funds.



**Risk:** There can be no guarantee that the investment strategy can be successful and the value of investments may go down as well as up.

## Risks

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#### **Risk Warnings**

Capital at risk. The value of investments and the income from them can fall as well as rise and are not guaranteed. Investors may not get back the amount originally invested.

Past performance is not a reliable indicator of current or future results and should not be the sole factor of consideration when selecting a product or strategy.

Changes in the rates of exchange between currencies may cause the value of investments to diminish or increase. Fluctuation may be particularly marked in the case of a higher volatility fund and the value of an investment may fall suddenly and substantially. Levels and basis of taxation may change from time to time.

#### Fund-specific risks

#### **BGF Circular Economy**

Circular Economy, Counterparty Risk, Currency Risk, Emerging Markets, Equity Risk, Liquidity Risk, Smaller Company Investments

#### **BGF Multi-Theme Equity Fund**

Concentration Risk, Counterparty Risk, Emerging Markets, Equity Risk, Investment in the Technology Securities, Liquidity Risk

#### **Description of Fund Risks**

#### **Circular Economy**

Due to the criteria applied during stock selection to meet the definition of Circular Economy, the range of companies the fund can invest in may be less diversified than a typical fund. Circular Economy companies may be subject to environmental concerns, taxes, government regulation, price, supply and competition. Investors should consider this fund as part of a broader investment strategy.

#### **Concentration Risk**

Investment risk is concentrated in specific sectors, countries, currencies or companies. This means the Fund is more sensitive to any localised economic, market, political or regulatory events.

#### **Counterparty Risk**

The insolvency of any institutions providing services such as safekeeping of assets or acting as counterparty to derivatives or other instruments, may expose the Fund to financial loss.

#### **Currency Risk**

The Fund invests in other currencies. Changes in exchange rates will therefore affect the value of the investment.

## **Risks**

#### **Emerging Markets**

Emerging markets are generally more sensitive to economic and political conditions than developed markets. Other factors include greater 'Liquidity Risk', restrictions on investment or transfer of assets and failed/delayed delivery of securities or payments to the Fund.

#### **Equity Risk**

The value of equities and equity-related securities can be affected by daily stock market movements. Other influential factors include political, economic news, company earnings and significant corporate events.

#### **Investment in the Technology Securities**

Investments in the technology securities are subject to absence or loss of intellectual property protections, rapid changes in technology, government regulation and competition.

#### **Liquidity Risk**

The Fund's investments may have low liquidity which often causes the value of these investments to be less predictable. In extreme cases, the Fund may not be able to realise the investment at the latest market price or at a price considered fair.

#### **Smaller Company Investments**

Shares in smaller companies typically trade in less volume and experience greater price variations than larger companies.



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