

Rathbones
Look forward



Rathbone Greenbank Multi-Asset Portfolios
Case studies – September 2022

Rathbone Greenbank Multi-Asset Portfolios

Case studies

We are adamant that complete transparency around our investment and sustainability process is crucial.

- Our sustainability process brochure outlining our sustainability criteria within a multi-asset framework is available on our [website](#) to provide more detail on this.

This document gives you a clear look-through into all the equities, corporate bonds and government bonds we currently* hold in the **Rathbone Greenbank Strategic Growth** portfolio, as well as a selection of case studies across asset classes and sustainable development categories, to give you comfort around the robustness of our approach.

The case studies provide clarity on why we own the companies and entities in our portfolios including:

- what the investment case is
- how they meet our sustainability criteria
- which Greenbank sustainable development category they align to

This sustainable development category alignment for companies can be through:



Operational alignment: displaying leading or well-developed sustainable business practices

and/or



Activity alignment: allocating capital towards the provision of products or services aligned with sustainable development.

* As at 30 September 2022

Sustainability criteria

Guided by a clear and robust sustainability framework

Having a clearly defined sustainability framework across asset classes is extremely important. We developed our sustainability framework, methodology and screens in collaboration with Rathbone Greenbank Investments (Greenbank), the dedicated ethical, sustainable and impact research team of Rathbones which has been at the forefront of developments in the sustainable investment industry since 1992, when it launched one of the UK's first bespoke ethical portfolio services. Using this framework allows investors to have a clear understanding of where we will invest and where we will not.

We are transparent on how we judge a company's sustainability credentials. To qualify for inclusion in the fund, companies that pass the negative screen must also align to at least one of Greenbank's eight sustainable development categories through their operations and/or activities.

We aim to refresh this document every six months to provide on-going assurance that what we hold in our portfolios is in line with our sustainability criteria. Full holdings across all of our Rathbone Greenbank Multi-Asset Portfolios is available on our [website](#).

We have not provided case studies for all holdings in order to keep this document as readable as we can. However, if you have any queries on any holdings in any of the Rathbone Greenbank Multi-Asset portfolios, please get in contact with your Rathbone Sales representative for more information.



Will Mcintosh-Whyte
Fund manager



David Coombs
Fund manager
Head of multi-asset investments

The UN SDGs and sustainable development categories

In September 2015, the United Nations launched the Sustainable Development Goals (SDGs). These comprise of 17 goals, with 169 underlying targets that aim to 'end poverty, protect the planet and ensure prosperity for all' by 2030. The SDGs provide a comprehensive framework for international action on the many social and environmental challenges facing the world.

Greenbank has mapped the SDGs to a set of eight sustainable development categories and a number of underlying sub-categories. These categories ultimately align with the same ambitions as the SDGs but focus on the areas most relevant to companies and investors. We use these to determine how successful individual companies are at translating aspirations into tangible results. The fund managers seek to invest in alignment with these eight categories, in the process combining investment returns with positive social and environmental commitments.





Energy and climate

These investments include organisations that are helping to fight climate action and create a more sustainable energy network through their products and services. This category also covers organisations making great strides in reducing their environmental impact and energy use through better business practices.



Resource efficiency

This category includes organisations whose products and services help reduce and economise the use of Earth's resources, as well as companies that are working hard to improve resource efficiency in their own businesses.



Inclusive economies

These organisations are promoting access to basic services, like shelter, water and education, and supporting a more inclusive society through the products and services they provide.



Decent work

This category includes organisations that create quality jobs, promote an inclusive workplace and support entrepreneurship, in their own right and through their supply chains and charitable works.



Innovation and infrastructure

These investments include organisations that support environmental sustainability or human wellbeing. This may be direct, through their products and services, or by providing the environment or infrastructure for other organisations to operate more sustainably.



Health and wellbeing

Organisations in this category support physical and mental wellbeing, or help prevent injuries and deaths.



Resilient institutions

These investments include organisations and governments that promote peace, justice, human rights and the rule of law.



Habitats and ecosystems

Includes organisations that are helping to preserve land, water and marine habitats and biodiversity.

Rathbone Greenbank Multi-Asset Portfolios

Sustainable development category alignment



Abbott Laboratories
Asa Abloy
Bupa*
Dexcom
DSM
Edwards Lifesciences
Eurofins Scientific
GSK

GN Store Nord
Halma
Roche
Sartorius
Shimano
Smith & Nephew
Thermo Fisher Scientific



UK Government bonds
Japanese Government bonds



Aptiv
Asian Development Bank*
ASML
Cadence Design Systems
European Investment Bank*
Hannon Armstrong
KfW*

Littelfuse
Microsoft
Orange*
TSMC
Trimble
Verizon Communications
Vodafone



* Corporate bonds ● New holdings (since 31 March 2022)

The percentages in the pie chart may not equal 100% due to rounding to the nearest whole number.
Data as at 30 September 2022.



Accenture
Alfen
Ansys
A.O. Smith
Aviva
Aviva*
Axa*
Co-operative Bank*
DSV Panalpina
Equinix

Generac
Johnson Controls
Jungheinrich
kfW (Green bond)*
National Grid
New South Wales (Sustainability bond)*
Nidec
Otis Worldwide
Owens Corning
Rabobank*
SSE
US Bancorp

8%
Resource efficiency

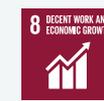
Advanced Drainage Systems
Badger Meter
Ball Corp
Deere
Ecolab

Linde
Sig Combibloc
Tomra
Trex



6%
Inclusive economies

African Development Bank (Social bond)*
London & Quadrant Housing*
Mastercard
Natwest*
Relx
Visa



14%
Decent work

Adobe
AIA
Coventry Building Society*
DBS
First Republic Bank
Haleon
Jack Henry & Associates
Legal & General

London Stock Exchange
Lloyds Plc*
Phoenix*
M&G*
S&P Global
Sampo
Scottish Widows*
Shopify





Energy and climate



Case study

A.O. Smith



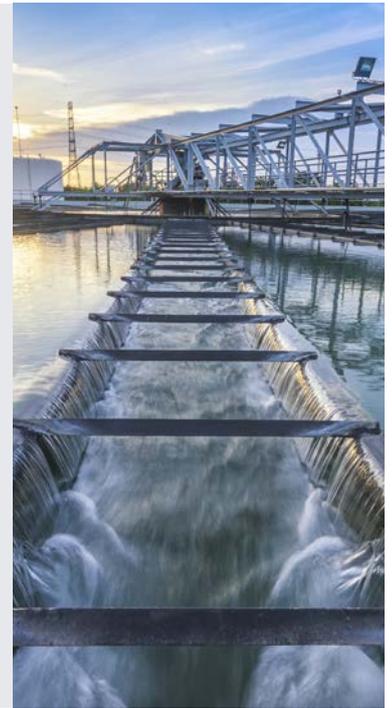
Energy and climate
Sub-category: Energy security

Investment case

- Manufacturer of residential and commercial water heaters and boilers, focused on making them as efficient as possible to help people conserve energy
- It has many different products, including water heaters, boilers and water treatment and filters, which are sold mainly in North America, China and India; this diversification helps insulate it from any economic slowdowns in specific areas
- Positioned to benefit from the increased governmental and regulatory focus on conserving water and improving water efficiency and water security

Sustainability criteria

- Highly efficient commercial heat pump water heaters significantly reduce greenhouse gas emissions and use two-to-three times less power than conventional water heaters
- Within water treatment, A.O. Smith's patented reverse osmosis membrane element decreases the amount of wastewater from water treatments by up to 200%
- Product stewardship is at the centre of its product lifecycle – its water boilers and heaters are nearly 100% recyclable



Case study

Johnson Controls



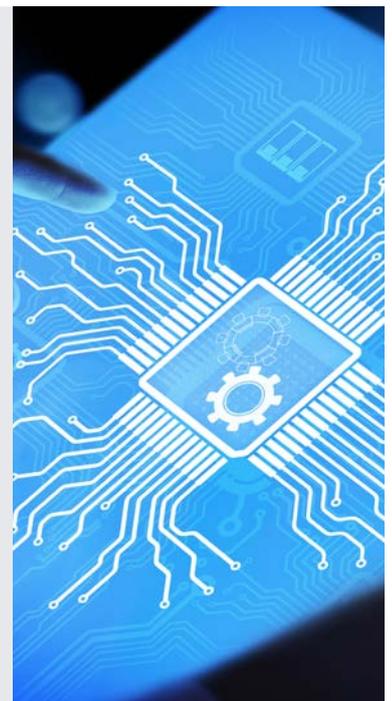
Energy and climate
Sub-category: Energy security

Investment case

- Specialist in smart building solutions – making buildings safer, more comfortable, more efficient and ultimately more sustainable
- Huge portfolio of products, servicing a wide variety of industries which tend to need replacing often, including fire detection and suppression, security and building automation and controls
- Products are mission critical for businesses, especially as regulation in areas such as fire safety and energy efficiency become more stringent and complex over time, providing Johnson Controls with a significant tailwind

Sustainability criteria

- Provide smart and green building products that help enable healthier people, healthier places, and a healthier planet
- Launched its 'OpenBlue Net Zero Buildings' service in 2021, helping companies design, digitalise and deploy systems and frameworks to improve energy efficiency, engineer more sustainable operations, enhance air quality, improve water infrastructure and reduce emissions
- In 2021, 78% of new product research and development was invested in climate-related innovation to develop sustainable products and services



Case study

Owens Corning



Energy and climate
Sub-category: Climate action

Investment case

- US company providing insulation, roofing and fibreglass composites for the construction and refurbishment of residential, non-residential and industrial buildings
- Uniquely positioned to benefit from rising demand for more sustainable building solutions (especially insulation to reduce energy bills) and increased regulatory requirements for energy-efficient buildings
- The world's largest supplier of fibreglass composites, it invests heavily in improving its products and boasts a best-in-class commercial team and contractor network that should allow it to pass on rising costs to customers, protecting healthy margins even in an inflationary environment

Sustainability criteria

- Helps customers conserve energy as insulating homes decreases the amount of fuel needed to heat them, reducing carbon emissions and improving people's bank balances and living standards
- Sustainable product range includes its 'Pink Next Gen Fiberglas' insulation which is made with the highest recycled content in the industry and a carbon-neutral line of stone wool insulation
- Established 2030 sustainability goals including an environmental target validated and approved by the Science Based Targets initiative to reduce greenhouse gas (GHG) emissions by 50%, in line with the IPCC's guidance to limit global warming to 1.5°C



Case study

US Bancorp



Energy and climate
Sub-category: Operational alignment (Climate)

Investment case

- Fifth-largest banking institution in the US providing personal, wealth management, corporate, commercial and institutional banking services
- It has a large number of easy-to-access branches nationally, all with great customer service that is focused on offering clients whatever they need – so it's seen as a bank for the community and a trusted partner
- Focused on retaining an extremely high credit rating and staying disciplined with regards to risk

Sustainability criteria

- Named one of the World's Most Ethical Companies by the Ethisphere Institute for the seventh consecutive year in 2021 – a program that honours companies that excel in displaying ethical business standards and practices
- First large American bank to stop financing new fossil fuel pipelines and coal projects back in 2017; since committed to reaching net zero emissions by 2050
- Through its community development corporation, US Bancorp financed \$10.7 billion in solar projects – that's more than 15% of all solar investment in the United States – since 2011





Resource efficiency



Case study

Advanced Drainage Systems



Resource efficiency
Sub-category: Water security

Investment case

- US company focused on recycled-plastic drainage pipes and stormwater management infrastructure including chambers, basins, and filters
- Cost-effective, lighter, recycled and more durable plastic pipes displace traditional metal and concrete ones, driving market share and profit
- Well-positioned to benefit from increased regulatory focus on reducing water stress

Sustainability criteria

- Better pipes and infrastructure keep waterways safe from pollution and prevent excessive stormwater runoff, making land more arable and cities more liveable
- Its innovative products include the Mega Green dual wall pipe, with a minimum recycled content of 60% for sustainable infrastructure projects
- The largest plastics recycling company in North America, saving 272,000 tonnes of old bottles and containers in the past year through its subsidiary ADS Recycling

Case study

Badger Meter



Badger Meter



Resource efficiency
Sub-category: Water security

Investment case

- US industrial company selling water meters and flow measurement tools, along with water quality and control products, to water utilities and municipalities
- Badger Meter helps customers optimise the delivery and use of water by giving them more data on processes and delivery. That maximises revenue and reduces waste, as more of us shift to a more interconnected and digital world (like the smart power meters recently installed in your home)
- Enjoys a high and stable market share and new entrants have significant barriers to entry

Sustainability criteria

- Could save customers billions of gallons of water and avoid thousands of tons of CO₂ annually, through its highly accurate metering and analytics solutions
- Builds products to help conserve resources, using recycled material to make its bronze metering products, through operations which have zero emissions and zero water discharge
- Leadership training programme aimed at driving consistent management techniques and skill

Case study

Deere



JOHN DEERE

Resource efficiency
Sub-category: Sustainable consumption

Investment case

- US company known for its green and yellow agricultural tractors and equipment as well as precision farming products designed to help farmers achieve optimum yields
- Food security and the efficiency and environmental impacts of food production will be high on the agenda for governments and regulation in the coming decades, and Deere is leading the way in driving change for farmers
- Its digital solutions are highly innovative and unique, giving it a competitive edge over new entrants and helping grow market share

Sustainability criteria

- Deere's technology, such as drones, satellite images, sensors and high-speed cameras help reduce the cost and environmental burden of using agrochemicals, both air and water pollution, the use of mineral fertilisers and the generation of carbon emissions whilst achieving more optimum yields
- Row-by-row control on the use of fertilisers in agricultural production helps maintain yields while reducing chemical inputs and has the potential to reduce negative impacts of food production at scale
- Launched new 'leap' ambitions to reduce Scope 1 and 2 GHG emissions by 50% from 2021 levels by transitioning to low-carbon energy sources and investing in renewable energy projects



Case study

SIG Combibloc



Resource efficiency
Sub-category: Sustainable consumption

Investment case

- Swiss carton-maker specialising in aseptic (anti-microbial) packaging for liquid drinks and food, commanding about a fifth of the industry's global market share
- SIG sells its packaging production lines to foodmakers and then supplies them with the materials for cartons, a particularly sticky business model that means its average customer has been a partner for more than 20 years
- It generates a large cash flow and reinvests about a tenth of its sales back into its business to power its steady growth

Sustainability criteria

- Global food producers' increased awareness of supply chain carbon footprints gives an edge to SIG, whose 100% recyclable aseptic cartons don't need refrigerating during transport and storage and are designed in space-saving ways that cut energy and fuel use
- SIG is continually improving its cartons, including the 'Signature pack' which is the world's first aseptic carton pack that is 100% linked to certified forest-based renewable materials
- It has a keen focus on minimising its sustainability impacts at every stage of the lifecycle, for example, all cartons are made from paperboard, polymer and aluminium and 100% renewable energy is used in all production plants





Inclusive economies



Case study

NatWest (Corporate bond)



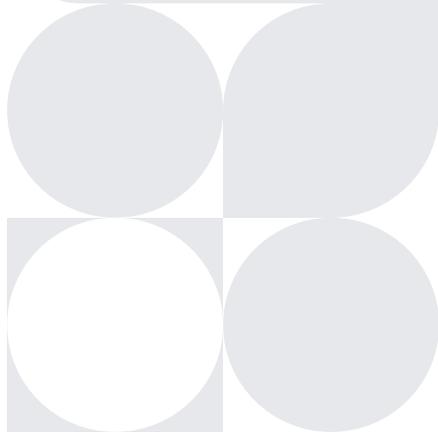
Inclusive economies
Sub-category: Inclusive economies

Investment case

- Major UK retail and commercial bank offering mortgages, loans and savings
- Business continues to reduce its risk and restructure itself, increasing its capital (ability to withstand large losses) and liquidity (ability to pay its bills as they come due)
- ‘Subordinated’ debt in particular provides attractive yields given improving balance sheet; subordinated debts are junior to other debts that must be paid back first (sort of like what your credit card debts are to your mortgage)

Sustainability criteria

- It offers a free financial education programme, MoneySense, that helps young people learn skills such as saving, budgeting and being scam-aware
- Its digital bank for small business customers has had a fivefold increase in users since the start of 2021
- Significant provider of basic bank accounts for personal banking customers and has supported over 1 million customers to start to save since January 2020





Case study

RELX



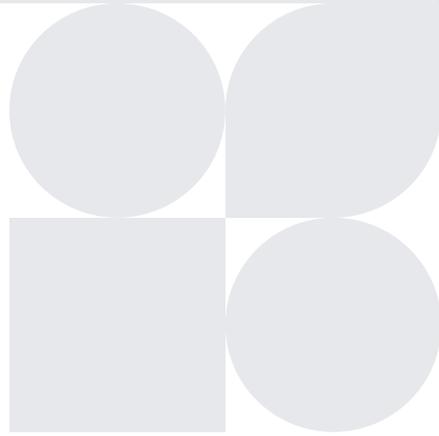
Inclusive economies
Sub-category: Training and education

Investment case

- Global leader in data analytics and decision tools to help customers in the scientific, medical, risk and legal sectors make better decisions, get better results and be more productive
- Strong technological capability, in areas such as medical research and fraud prevention analytics, drives market share with few competitors
- Predictable and stable revenue stream from majority subscription-based solutions

Sustainability criteria

- RELX's products promote access to information, helping advance science, health, education and access to legal services by facilitating insights and critical decision-making for customers
- They provide free universal access to their SDG Resource Centre which contains content to help researchers and the public improve their understanding about the SDGs
- Its global energy consumption is completely renewable, certified by European and American authorities



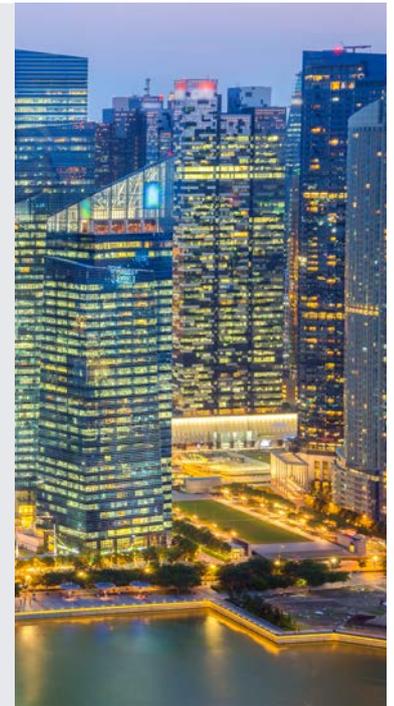


Decent work



Case study

DBS



Decent work
Sub-category: Operational alignment (employment)

Investment case

- Singaporean multinational banking and financial services firm (previously known as the Development Bank of Singapore) and among the largest banks in Asia
- Digital leader with strong focus on customer and dominant positions in consumer banking, treasury and markets, asset management, securities brokerage, equity and debt fundraising across Singapore, China, Hong Kong, Taiwan, Indonesia and South Korea
- Strong balance sheet and beneficiary from higher interest rates around the world

Sustainability criteria

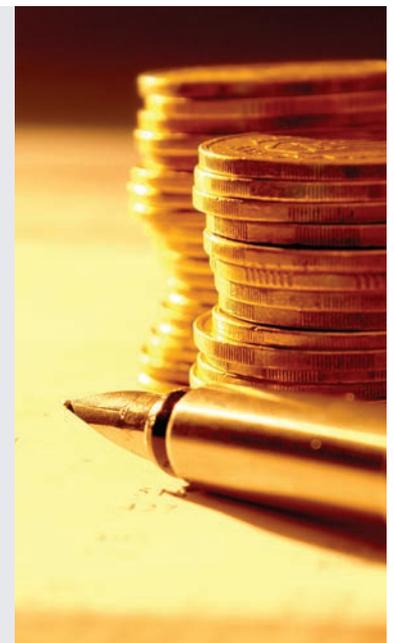
- First bank in Singapore to sign up to the Net-Zero Banking Alliance (NZBA), and the first in Southeast Asia to publish a concrete and comprehensive set of targets for its Scope 3 financed emissions
- Focused on three key areas of sustainability: (i) Responsible banking; (ii) Responsible business practices; and (iii) Creating social impact
- Its small, medium-sized enterprise (SME) digibanking service enables SMEs to quickly open business accounts online which supports small businesses and job creation

Case study

First Republic



FIRST REPUBLIC BANK



Decent work
Sub-category: Operational alignment (employment)

Investment case

- American bank and wealth management company offering personal banking, business banking, trust and wealth management services
- Strong focus on wealth management for low-risk, high-net-worth clientele which provides high fees, high margins and stable returns
- Robust brand, unrivalled client service and high client retention help to fuel consistent long-term growth

Sustainability criteria

- Strong emphasis on employee and supplier diversity – 49% of the senior management team were women in 2021
- Longstanding commitment to support disadvantaged and underrepresented communities through its lending portfolio and charitable contributions and grants
- Focused on improving affordable housing through loan programmes such as 'Eagle Community Home' and 'Single-Family, Cop-op and Condo Home' created to help more people become homeowners

Case study

London Stock Exchange Group



LSEG

Decent work
Sub-category: Operational alignment (employment)

Investment case

- Global financial markets infrastructure and data group that owns the London Stock Exchange and data provider Refinitiv and indices business FTSE Russell, providing it with capabilities in data analytics, indices, benchmarks, and capital markets
- Benefits from the on-going growth of passive and focus on ESG as the largest benchmark provider globally
- Moved to a subscription revenue model in a number of areas which has been a growth driver and elevated recurring revenues

Sustainability criteria

- Well positioned to improve companies' disclosure of climate data and its recent acquisition of Refinitiv gives it exposure to a research platform offering market data and a large ESG database with comparable scoring
- Women in Finance charter signatory making steady progress towards 40% target for female representation across the group and senior management
- Supporting the Transition Pathway Initiative (TPI) Global Climate Transition Centre by providing data, expertise and funding over the next five years to create a hub for sustainable finance



Case study

Phoenix (Corporate bond)



Decent work
Sub-category: Operational alignment (employment)

Investment case

- One of the largest providers of insurance, savings and retirement services in the UK
- Well-diversified business with a good track record of buying up rivals and restructuring them to improve profits
- Attractive yield given resilient balance sheet and strong cash generation

Sustainability criteria

- Fully accredited Living Wage Employer and extends the payment of the Real Living Wage to include those regularly contracted through its supply chain
- Implemented 'Sustainable Supply Chain Standards' to go beyond the required Supplier Code of Conduct, with enhancements on modern slavery and human rights, climate and environment, and health and safety risk monitoring
- Initiatives to support customers with their finances and help them reach their long-term savings goals, including a coaching tool to help younger customers in the purchase of their first home





Innovation and infrastructure



Case study

Cadence Design Systems



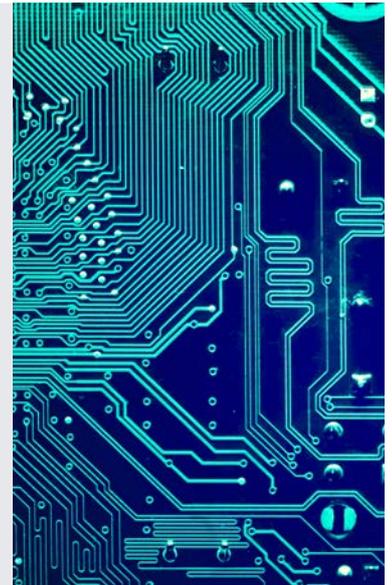
Innovation and infrastructure
Sub-category: Supporting environmental sustainability

Investment case

- Multinational technology company providing the highly specialised software used for the design, testing, verification, and implementation of semiconductors
- This software is highly complex and critical to chip manufacturers, this has led to an effective duopoly with only one other key provider
- Well-placed to benefit from the growth in the semiconductor space as technology advances for electronic devices, such as phones and computers; chips need to be ever smaller and more innovative, so design is crucial

Sustainability criteria

- Provides technologies which assist in the design of electronic products that conserve energy and power
- Supporting innovation in the auto industry and the transition to electric vehicles
- Increasing female participation in the sector by offering women in technology scholarships



Case study

Littelfuse



Expertise Applied | Answers Delivered

Innovation and infrastructure
Sub-category: Supporting human wellbeing

Investment case

- US industrial providing power-management technology such as circuit protection, power control and sensing for auto and industrial sectors
- Exposed to several mega-trends such as renewable energy, energy storage and electrification, all of which drive long-term demand for its products
- Robust brand and leading-edge technologies create barriers to entry which helps protect its profit margins and prices

Sustainability criteria

- Many of Littelfuse's key markets are linked to sustainable applications, such as electric vehicles and charging infrastructure, renewable energy, and power management
- It works with customers in renewable energy and energy storage markets to improve efficiency
- Science-based target to reduce carbon emissions by 38% by 2035



Case study

TSMC



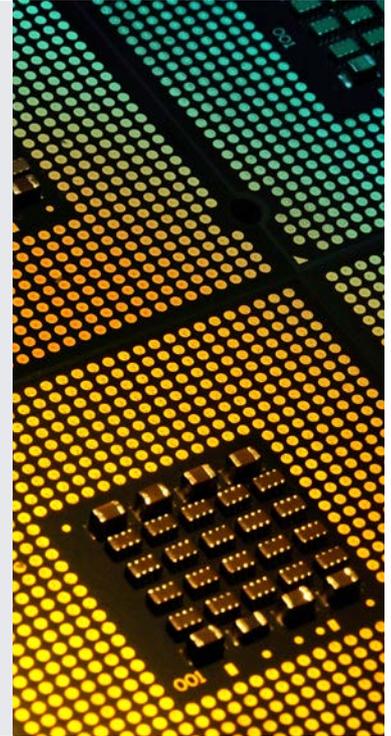
Innovation and infrastructure
Sub-category: Supporting environmental sustainability

Investment case

- The world's largest semiconductor foundry, manufacturing chips for a variety of uses, including smartphones, computing and cars
- Hundreds of different customers across a diverse range of companies, technologies, and industries, all fundamental to the advancement of human progress
- Its advanced technology and capabilities provides TSMC with a strong competitive advantage and high barriers to entry as semiconductor production and design become increasingly complex

Sustainability criteria

- Continuously striving to make its chips more advanced, capable, intelligent, energy-efficient, and safer
- It has several strategies, goals and targets for water stewardship (making chips takes a lot of water), including developing water reclamation technologies, strengthening its in-house water recycling and developing diverse water sources
- The groups chips have applications in AI, internet of things and connected technology, helping customers to design systems that better monitor and control energy and resource use



Case study

Vodafone



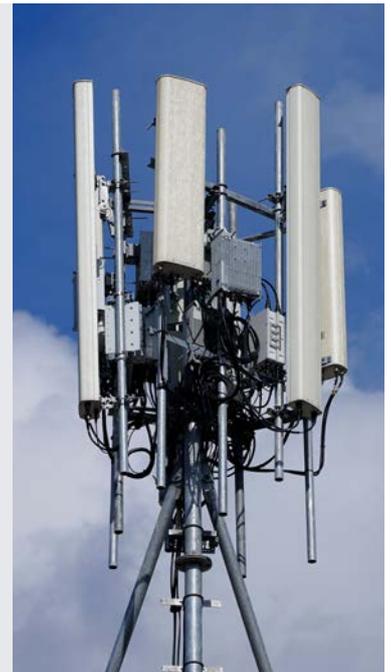
Innovation and infrastructure
Sub-category: Supporting environmental sustainability

Investment case

- British multinational telecommunications company in areas such as internet, TV and phone services
- Typically number 1 or 2 player in their markets with network quality a key competitive advantage
- Restructuring of the business provides opportunity to improve free cash flow and margins

Sustainability criteria

- Created M-Pesa in 2007 which is Africa's most successful mobile money service and the region's largest fintech platform, providing millions of customers in the region with financial services without a bank account
- All European operations are now 100% powered by electricity from renewable sources and 7.1 million tonnes of CO₂ emissions were avoided in 2021 through its telecommunication services and technologies
- Support millions of SMEs through its free digital V-hub which provides the latest guidance and training on issues such as digital security and cybersecurity





Health and Wellbeing



Case study

Assa Abloy



Health and Wellbeing
Sub-category: Safety and protection

Investment case

- Global lock and entry systems business, an industry with attractive growth
- Focuses on the huge potential in virtual keys and shift from traditional locks to smart locks, a market that is expected to triple over the coming decade
- Leading position in electromechanical sector (especially hotel chains), and a growing position in the residential sector where they have partnered with Google, Walmart and Amazon

Sustainability criteria

- Provides security, safety, and peace-of-mind to customers with locks, doors and gates
- All parts of the business are required to actively develop sustainable products using their 'Sustainability Compass' with eight dimensions and they must clearly declare what impact products have on the environment
- It has developed many pioneering energy-saving products, including mobile access to allow keyless entry to hotel rooms (reducing need for plastic cards) and the 'Signo' access control card which has a lower day-to-day power consumption and carbon footprint than its predecessor



Case study

Roche



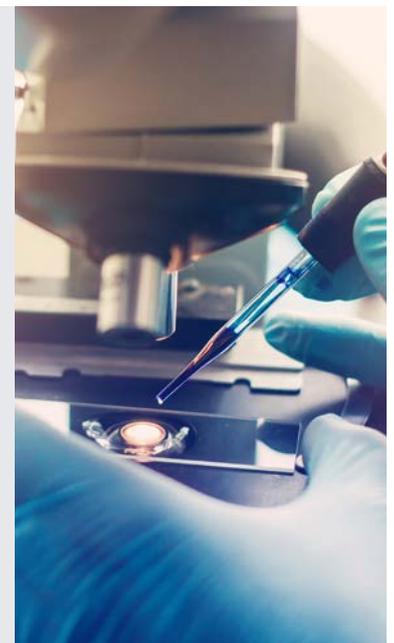
Health and Wellbeing
Sub-category: Healthcare access

Investment case

- Swiss multinational healthcare company operating in pharmaceuticals and diagnostics
- Well-diversified portfolio of drugs, as well as a strong product suite in diagnostics
- Impressive track record in research and development gives us confidence in the innovative pipeline of treatments and therapies, especially in oncology (the new frontier in the fight against cancer)

Sustainability criteria

- Focused on finding new medicines and diagnostics that help patients live longer and better lives
- Building partnerships with governments and non-governmental organisations to deliver programmes and improve access to timely, accurate screening and diagnosis for people all over the world, especially in low and middle income regions
- Aims to halve its total environmental impact by 2029, including eco-balance for operations and product stewardship score for products



Case study

Sartorius



Health and Wellbeing
Sub-category: Healthcare access

Investment case

- International business in bioprocess solutions and laboratory products and services, helping biotech scientists and engineers develop and manufacture drugs more quickly
- Specialist solutions to meet the rapidly changing technology requirements in biopharma are becoming more and more necessary – underpinning Sartorius' growth story
- Strong position in its key technologies and its recognised brand gives rise to significant market entrance barriers for potential rivals

Sustainability criteria

- Its products enable the development of new and better therapies and more affordable medicine to improve people's health
- Its laboratory instruments and consumables are used in research, helping to enable scientific progress
- Though many of its products are single use, Sartorius is committed to reducing lifecycle impacts where possible and is a member of the European Plastics Pact focused on reducing plastic use across multiple industries



Case study

Thermo Fisher Scientific



Health and Wellbeing
Sub-category: Healthcare access

Investment case

- American medical technology company, with a diverse portfolio of laboratory products, biopharma services and life sciences solutions, as well as diagnostics
- Excellent brand and enjoys extremely high market share in each of its core markets
- High percentage of recurring sales, with strong profit margins and returns on capital

Sustainability criteria

- Products and services key to healthcare professionals trying to accelerate drug research and improve diagnostics to bring life-changing medicines to patients and provide them with better outcomes
- Continuously striving to make the best therapies more affordable and widely accessible to all through increased research and development to encourage innovation
- Develops technologies that underpin critical sustainable infrastructure, for example, in 2021 the group began creating a new system that detects defects in lithium-ion batteries which minimises waste reduction and improves battery quality





Resilient Institutions



Case study

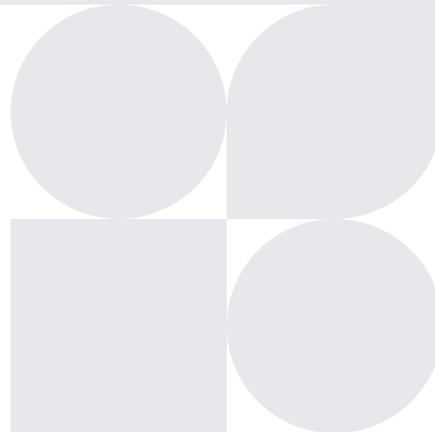
Japanese Government bonds

Investment case

- A+ rated government bond issuer
- We invest in bonds that mature within a few years to protect our portfolios from rising yields reducing the value of our bonds
- The Japanese yen tends to increase in value when investors seek 'safe assets', so it offers protection when stock markets fall

Sustainability criteria

- Multi-party parliamentary democracy where political rights and civil liberties are generally well respected
- Bribery and vote-buying rates are very low as reported by the Corruption Perception Index, as is the use of personal connections to access public services
- Japan's defence spending is well below the global average relative to its GDP
- It plans to be net carbon zero by 2050 – greenhouse gas emissions have fallen in the last five years, while renewable electricity generation has grown steadily



Case study

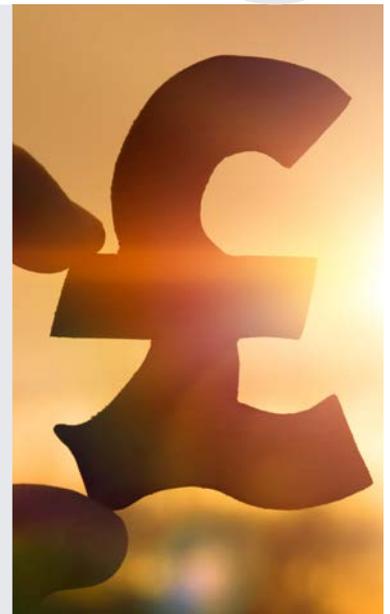
UK Government bonds

Investment case

- A+ rated government bond issuer
- Gilts are safe-haven assets that should provide protection when stock markets fall
- As yields rise, gilts provide a better risk/return profile than before

Sustainability criteria

- Stable democracy that regularly holds free elections and is home to a vibrant media sector
- Low risk of corruption in the judicial system and public services
- The UK's defence spending is below the global average relative to its GDP
- A leader in combating climate change, ranking fifth in the Climate Change Performance Index, and the first major economy to write into law the goal to reach net zero by 2050, as well as reduce emissions by 68% below 1990 levels by 2030



Appendix

Summary of sustainable development category alignment

In the table below, we have shown every company or entity we are invested in or have exposure to and its alignment with the Greenbank sustainable development categories.

Each company or entity aligns to a primary sustainable development category that most accurately captures the area of sustainable development their operations or activities are benefiting.

However, many companies due to the strength of their business practices and/or products and services, may also align to additional sustainable development categories. Therefore, the primary category is shown as a larger tick in the relevant box and the additional alignment/s, where relevant, are shown as smaller black ticks.

Company or entity	Operational or activity alignment (primary category)	Energy and climate	Resource efficiency	Inclusive Economies	Decent work	Innovation and infrastructure	Health and wellbeing	Resilient institutions	Habitats and ecosystems
Abbott Laboratories	Activity				✓		✓		
Accenture	Operational	✓			✓				
Adobe	Operational				✓			✓	
Advanced Drainage Systems	Activity		✓						
African Development Bank	Activity			✓					
AIA	Operational				✓				
Alfen	Activity	✓							
Ansys	Activity	✓							
A.O. Smith	Activity	✓	✓						
Aptiv	Activity					✓	✓		
Asian Development Bank	Activity	✓		✓		✓	✓		
ASML	Activity		✓			✓			
Assa Abloy	Activity				✓		✓		
Aviva	Operational	✓							
AXA	Operational	✓							
Badger Meter	Activity		✓						
Ball Corp	Activity	✓	✓						
Bupa	Activity						✓		
Cadence Design Systems	Activity				✓	✓			
Co-operative Bank	Operational	✓							
Coventry Building Society	Operational			✓	✓				
DBS	Operational				✓				
Dexcom	Activity						✓		
Deere	Activity		✓						
DSM	Activity						✓		
DSV Panalpina	Operational	✓							
Ecolab	Activity		✓						
Edwards Lifesciences	Activity						✓		
Equinix	Operational	✓							
Eurofins Scientific	Activity						✓		✓
European Investment Bank	Activity	✓			✓	✓			
First Republic Bank	Operational				✓				
Generec		✓							
GSK	Activity						✓		

Company or entity	Operational or activity alignment (primary category)	Energy and climate 	Resource efficiency 	Inclusive Economies 	Decent work 	Innovation and infrastructure 	Health and wellbeing 	Resilient institutions 	Habitats and ecosystems 
GN Store Nord	Activity			✓			✓		
Haleon	Operational				✓				
Halma	Activity						✓		✓
Hannon Armstrong	Activity		✓			✓			
Jack Henry & Associates	Operational				✓				
Japanese Government bonds	N/A							✓	
Johnson Controls	Activity	✓							
Junghenrich	Operational	✓							
KfW (Green bond)	Activity	✓							
kfW	Activity	✓			✓	✓			
Legal & General	Operational	✓		✓	✓				
Linde	Activity	✓	✓				✓		✓
Littelfuse	Activity					✓			
Lloyds Bank	Operational				✓				
London & Quadrant Housing	Activity			✓					
London Stock Exchange	Operational				✓				
M&G	Operational				✓				
Mastercard	Activity			✓					
Microsoft	Operational	✓		✓		✓			
National Grid	Activity	✓							
NatWest	Activity			✓					
New South Wales (sustainability bond)	Activity	✓	✓	✓		✓			
Nidec	Operational	✓							
Orange	Activity					✓			
Otis Worldwide	Operational	✓							
Owens Corning	Activity	✓							
Phoenix	Operational				✓				
Rabobank	Activity	✓		✓					
RELX	Activity			✓					
Roche	Activity						✓		
S&P Global	Operational				✓				
Sampo	Operational				✓				
Sartorius	Activity						✓		
Scottish Widows	Operational				✓				
Shimano	Activity	✓				✓	✓		
Shopify	Activity				✓				
SIG Combibloc	Activity		✓						
Smith & Nephew	Activity			✓			✓		
SSE	Activity	✓							
TSMC	Activity					✓			
Thermo Fisher Scientific	Activity						✓		
Tomra	Activity		✓				✓		
Trex	Activity	✓	✓						
Trimble	Activity					✓			
UK Government bonds	N/A							✓	
US Bancorp	Operational	✓							
Verizon Communications	Activity					✓			
Visa	Activity			✓					
Vodafone	Activity					✓			

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Rathbones

Look forward

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