Janus Henderson
INVESTORS

Q4 2023

POSITIVE IMPACT COMPANIES

Global Sustainable Equity Strategy



30+ YEARS

Marketing communication | Not for onward distribution | Past performance does not predict future returns.
The value of an investment and the income from it can fall as well as rise and you may not get back the amount originally invested.
Refer to page 1 for definition of positive impact companies.

Approach to company selection

Investment principles lead the Janus Henderson Global Sustainable Equity Team to invest in businesses that have a positive impact on society and the environment by virtue of the products or services sold, and by the way in which operations are managed, thereby supporting the United Nations Sustainable Development Goals (UN SDGs). The team believes the sustainability challenge is captured by four megatrends which are putting enormous pressure on the global economy: Population growth, ageing population, resource constraints and climate change.

The team uses a thematic framework to identify those businesses that are strategically aligned with these four megatrends and, by virtue of this, offer the potential for sustainable revenue growth.

> "There are two sides to sustainable investing, however. We believe it is equally important to avoid investing in companies whose products or services negatively impact the environment or society and which are contrary to the UN SDGs."
>
> **Hamish Chamberlayne, CFA**
> Head of Global Sustainable Equities | Portfolio Manager

For this reason, the team has made a conscious decision to avoid direct investments in fossil fuels, tobacco, weapons, alcohol, meat and dairy production, fast food and sugary drinks, toxic chemicals and fur. It is an unfortunate truth that many of the world's largest companies have products that are contrary to the development of a sustainable economy. Many consumer brands manufacture food and drink products that contribute to poor human health and environmental destruction: sugary snacks and drinks contribute to rising rates of obesity and heart disease; snacks and cosmetics often contain palm oil from unsustainable sources; while cattle farming has an extremely high negative environmental impact (with cattle feed production contributing to deforestation, excessive pesticide and fertiliser application, and unsustainable fresh water use). Many global cosmetic companies test their products on animals even though we believe it is no longer necessary, and some well known companies support the fur trade. Global chemical companies produce chemicals that are banned in certain jurisdictions or that are on non-governmental organisations' (NGOs) lists of concern.

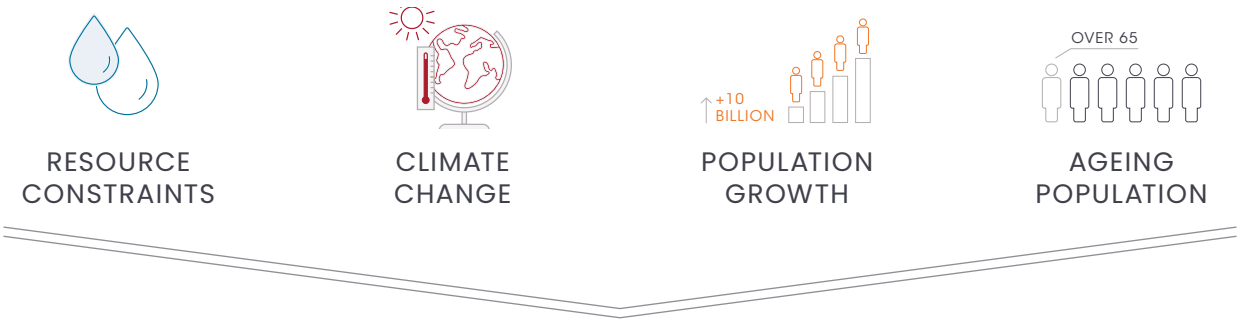
Yet there are plenty of companies that have come to recognise that a sustainable approach to delivering goods and services and providing solutions to social and environmental problems can be a profitable enterprise.

The following pages introduce companies with an explanation of the positive environmental and/or social impact that the team has identified and the primary and secondary (where applicable) themes for each company.

Positive impact companies -

1. These are companies identified as providing products or services that contribute in a beneficial way to the environment and/or society.
2. The manager believes this type of investing promotes a responsible economy, supporting sustainable industry.
3. The manager's view is that these types of companies confront the challenges posed by key megatrends: climate change, resource constraints, population growth and ageing populations.

Four megatrends



Positive impact case study: Mastercard

SUSTAINABLE PROPERTY AND FINANCE

Mastercard operates a global payment processing network in more than 200 countries, connecting customers, financial institutions and businesses. Its mission is to make payments safe, simple and smart and it is regarded as a leader in the field of electronic payments innovation. There are many benefits to the electrification of payments including security, convenience and also economic development and financial inclusion. Mastercard has numerous initiatives around the world focused on providing affordable financial services programmes to promote inclusive growth. In 2020, it met its goal of bringing 500 million people into the digital economy.

Sustainable Property & Finance: 100%



Source: Mastercard

Since the creation of the first online payment systems in the 1990s, the digitalisation of payments has been revolutionising transacting and, with it, the global economy. With its low costs, real-time transactions, and remote payment options, digital payments provide users with a practical and convenient alternative to the constraints associated with physical currency, significantly enhancing the efficiency of financial transactions. According to one study by the Boston Consulting Group, transitioning fully to digital payments could lead to around 1% GDP growth in developed nations and as much as 3% in developing nations through reducing the inefficiencies associated with cash transactions[1].

Besides efficiency, digital payments come with a myriad of other advantages, including security. Advanced encryption technologies and multi-factor authentication protocols make transactions more resilient to fraudulent activities. In addition, the transparency of digital payments enhances recordkeeping, facilitating expense tracking, budgeting, and auditing, instilling confidence in consumers and businesses as well as allowing governments to collect tax revenue more effectively. Moreover, digital payments play a significant role in promoting financial inclusion. According to the World Bank, digital financial services have significantly increased global bank account ownership from 51% in 2011 to 76% in 2021[2]. By extending access to formal financial services through platforms like mobile wallets and digital banking, they contribute to broader economic participation, particularly for underserved populations.

Product impact

As one of the world's largest payments processors, Mastercard sits at the core of the revolution in payment digitalisation, facilitating electronic transactions across the globe. Mastercard enables secure and efficient digital payments, allowing individuals and businesses to make purchases and transfers seamlessly.

Financial inclusion

Mastercard has emerged as a global force promoting financial inclusion, enabling millions of individuals who had previously been excluded from banking systems to participate in the formal economy. Through the provision of pre-paid cards, business payments solutions, and services targeting the underbanked, Mastercard has connected 780 million people to the digital economy since 2015, with a target of hitting one billion by 2025. This approach not only improves individual livelihoods but also serves as a catalyst for economic development within communities.

One example is Mastercard's Community Pass solution which provides a way to serve people in the most remote communities, many of whom lack data records, formal identification and/or connectivity. Through 2022, three million users were registered with Community Pass. In December 2022, the company announced a goal to reach 30 million Community Pass users by 2027. In Uganda, a digital platform called YoPay Agric, powered by Mastercard Community Pass, is linking remote farmers to different partners in the agricultural sector. This technology helps farmers access more markets digitally, even without reliable connectivity. Farmers can send harvest yield information quickly and accurately to sellers, negotiate fair prices with buyers and take advantage of secure digital payments. At the same time, the technology creates a digital transaction record to automatically build a credible financial history[3].

[1] https://www.bcg.com/publications/2019/cashless-payments-help-economies-grow

[2] https://www.worldbank.org/en/publication/globalfindex

[3] Mastercard sustainability report 2022

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Countering fraud

Mastercard has also shown prowess in fraud prevention and is considered an industry leader in combating evolving fraud tactics, thwarting more than $35 billion in fraudulent losses during the three-year period leading up to 2023. One such solution targeted at retail banking is its AI-powered Consumer Fraud Risk solution, which was deployed in the UK. This innovative technology, utilising advanced AI capabilities and tapping into Mastercard's extensive network view of account-to-account payments, played a crucial role in identifying and preventing real-time payment scams before funds could leave victims' accounts. The collaboration with nine prominent UK banks, including Lloyds Bank, NatWest, and TSB, showcased the industry-wide impact of Mastercard's initiative. TSB, an early adopter, reported a substantial increase in fraud detection, potentially saving nearly £100 million if applied across the UK[4].

For businesses, Mastercard champions real-time data analysis to combat fraud, emphasising its critical role in swiftly detecting and preventing fraudulent activities. The approach involves proactive measures, particularly in credit card fraud detection, with the Mastercard Intelligence Centre providing real-time metrics and in-depth analysis. This aids in minimising false declines, ensuring legitimate cardholder charges are not mistakenly denied. The integration of artificial intelligence also enhances the accuracy and speed of fraud prevention tools. For instance, Mastercard scrutinises outgoing wires in real-time, allowing for prompt identification of suspect transactions[5].

Operational impact

Mastercard splits its operational impact into 3 focus areas, prosperity (which is delivered through Mastercard's products focused on financial inclusion), people, and planet.

People

Mastercard has made commendable strides in promoting diversity and equality. The company has successfully reduced its gender pay gap, increasing the global median pay for female employees to 94% of their male counterparts, a notable 0.8% improvement from 2021. Mastercard attributes the remaining median pay gap to the higher representation of men in senior roles, rather than pay variation for equal work. At the early-career stage, Mastercard's Girls4Tech® programme aims to educate five million girls aged 8–16 by 2025. In 2022, the programme reached 1.8 million girls, bringing the total to 3.6 million since its inception in 2014. Regarding racial diversity, Mastercard's commitment is evident in its goal to increase US black minority leadership at the vice president level and above by 50% by 2025, starting from 2020. The company achieved a 16% year-over-year increase, elevating US black leaders from 62 to 72 in 2022, driven in part by the company's investment in engagement, retention and the development of minority employees.

Planet

Towards supporting the planet, Mastercard has set multiple climate objectives, including a goal of net zero greenhouse gas emissions by 2040, and a reduction in Mastercard's absolute emissions by science-based targets of 38% for Scope 1 and 2, and 20% for Scope 3 by 2025, from a 2016 base year. In 2022, Mastercard's Scope 1 and 2 emissions were 44% less than in 2016, and Scope 3 emissions were 40% less than in 2016. Overall, in 2022, total Scope 1, 2, and 3 emissions were 41% less than in 2016. Mastercard has been using 100% renewable electricity for the past 6 years. Similarly, Mastercard through its Priceless Planet Coalition, has set itself a target to restore 100 million trees by 2025. Up to 2023, Mastercard has engaged more than 130 corporate partners globally to support forest restoration projects. It has also secured funding to restore an estimated 13 million trees, of which 4 million have already been restored.



Source: Mastercard

Engagement

One area that the Global Sustainable Equity team has consistently monitored in relation to Mastercard is the company's approach to anti-competitive behaviour. The structure of the industry, such as high barriers to entry and larger players benefiting from lower costs per transaction than smaller players, means that a few large competitors hold close to 97%[6] of the global payments market. While this represents a key attraction of the investment thesis, underpinning strong and durable business economics, it also comes with heightened regulatory risk. Whilst the team is

[4] https://www.mastercard.com/news/press/2023/july/mastercard-leverages-its-ai-capabilities-to-fight-real-time-payment-scams/

[5] https://www.mastercardservices.com/en/industries/financial-institutions/insights/fight-fraud-real-time-product-level-data

[6] https://www.statista.com/statistics/278970/share-of-purchase-transactions-on-global-credit-cards/

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confident in Mastercard's position, we view it as vital to continue to monitor and take seriously any allegations of anti-competitive practices of holdings in high-risk industries such as payment processing.

It was with this in mind that Janus Henderson Investors arranged an engagement call with Mastercard to discuss some recent allegations of price fixing in the US alongside VISA, which led to a downgrade of the company's MSCI rating. The aim was to get an update from the company on these issues to understand its positioning including how it is dealing with provisioning for legal liabilities and managing reputational issues associated with the allegations.

We learned over the course of the call that Mastercard had spoken to the publisher of the article before it went out as they believed it contained factual errors and was very one-sided given it only provided input from the merchant advisory industry. However, the article was published nonetheless. In response, Mastercard published a blog pointing out the factual errors and confirming that the company had no plans to increase network or interchange fees in the US. That being said, the company does perform regular price reviews. Overall, the company is confident it has done nothing wrong and is currently involved in a process with MSCI to provide as much information as possible to try and correct the downgrading. The company is taking the approach of staying as transparent as possible with investors and communicating the fact that they are not overly concerned with the article and its implications. Overall, the investment team felt that Mastercard's position was a confident one. Nevertheless, the team will continue to monitor how the company manages the reputational risk associated with the allegations and how they are perceived by investors and consumers alike.

United Nations' Sustainable Development Goals

We believe Mastercard addresses the following UN SDGs with its products, services and operations.



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Theme allocation



Theme allocation is based on current or future revenues with a 50% threshold for primary theme and a 10% de-minimus threshold for secondary theme. Theme weightings are rounded to the nearest 10% (or rounded to zero if below 10%). Any revenues that do not have a thematic allocation will be represented as non-thematic. All revenues meet our avoidance criteria. The overall thematic distribution of the portfolio is based on thematic revenues and non-thematic revenues on pro-rata allocation according to position weights. Data rounded and may therefore not add up to 100%.

Information relating to portfolio holdings is based on the representative account in the composite and may vary for other accounts in the strategy due to asset size, client guidelines and other factors. The representative account is believed to most closely reflect the current portfolio management style. The representative account is not available in European Union member countries.

For example, if company X is a 1% position in the fund and its revenues are allocated 60% to the Sustainable Transport theme, 20% to the Cleaner Energy theme and 20% Non-thematic, there would be a 0.6% weight to Sustainable Transport, a 0.2% weight to Cleaner Energy and a 0.2% weight to Non-thematic. Primary, secondary and non-thematic weightings have then been summed to derive the overall portfolio theme allocations.

Source: Janus Henderson Investors as at 31 December 2023.

Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
ADVANCED DRAINAGE SYSTEMS	**Advanced Drainage Systems** (ADS) is a leading thermoplastic corrugated pipe manufacturer headquartered in the US. The company's range of products cover a variety of applications throughout the water management supply chain to keep waterways safe from pollution and prevent excessive stormwater runoff. Its products are used across a broad range of end markets and applications, including non-residential, residential, agriculture and infrastructure applications. ADS is a key enabler in the pipe industry's significant material conversion shift from high-emitting traditional materials such as concrete and steel toward plastic. Its products are lightweight, simpler to install, and more durable than comparable alternatives made with conventional materials. Today, more than 3 billion metres of ADS pipe is in service around the world. ADS recycles over 2.3 million tonnes of plastic a year and integrates 66% re-manufactured content into its products, making it one of North America's largest recyclers and a contributor towards the circular economy.	WATER MANAGEMENT	50%	ENVIRONMENTAL SERVICES	50%
AIA GROUP	**AIA** is a Pan-Asian insurance provider headquartered in Hong Kong. It has a presence in 18 different countries and provides a wide range of products, including retirement savings plans, life insurance, and accident and health insurance. Protection products in developing and emerging Asia are relatively under-penetrated, especially in Thailand, Malaysia, India, China, and Indonesia. At the same time, the lack of a social safety net for the population in emerging and developing markets also underpins the need for health and pension products. Conversely, in developed markets, the ageing population is driving life insurance penetration as individuals spend larger proportions of their wealth on protection and health. Through its network of agents, partners and employees across Asia, AIA serves the holders of more than 39 million individual policies and over 16 million participating members of group insurance schemes.	SUSTAINABLE PROPERTY & FINANCE	100%		
AON	**Aon** is a global provider of risk management, insurance, reinsurance brokerage, and human resource consulting. As one of the leading repositories of risk and insurance placement data, Aon uses big data analytics to help clients manage complex risks. There is a growing demand for insurance given the emergence of new risks such as the environmental consequences of climate change, cyber risk, and the risks associated with the provision of retirement and healthcare services to an ageing population. Aon operates in over 120 countries serving organisations worldwide, with over 300 associations and organisations using its commercial risk solutions. The company has over $4 trillion of assets under advisement within its wealth solutions division.	SUSTAINABLE PROPERTY & FINANCE	60%	SAFETY	40%
APTIV	**Aptiv,** headquartered in North America, is a leader in the automotive technology industry. Aptiv is unique in being able to offer auto manufacturers complete solutions, comprising both hardware and software, that enhance electrification and enable the development of smarter vehicle architectures. Aptiv prioritises smart design to make components smaller and lighter, helping make the resulting product greener, more efficient, and more connected. In addition , Aptiv's technology is a key building block enabling driverless vehicles. With 94% of accidents being a result of driver error, Advanced Driver Assistance Systems (ADAS) can help avoid accidents entirely. The result should be fewer accidents and the creation of new transportation business models.	SUSTAINABLE TRANSPORT	70%	SAFETY	30%

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
ASML	**ASML** is a global manufacturer of semiconductor microchip-making equipment. Headquartered in the Netherlands, its mission is to invent advanced technology for the production of high-tech lithography (transferring patterns or shapes to silicon wafers), metrology (measurement) and software solutions for the semiconductor industry. This enables the advancement of 'Moore's law'* towards ever smaller, cheaper, more powerful and energy efficient semiconductors which, in turn, results in increasingly powerful and capable electronics, facilitating advancement within industries such as healthcare, technology, communications, energy, mobility, entertainment and more. Semiconductor producers also rely on a significant amount of energy, with some larger factories consuming more than auto plant and oil refineries. ASML therefore plays a vital role in decarbonising the semiconductor industry, having reduced energy use per exposed wafer pass by 37%, with goals to reduce by 60% by 2025. In 2021, more than 1.1 trillion chips were manufactured around the world, and growth is set to continue.	KNOWLEDGE & TECHNOLOGY	50%	EFFICIENCY	50%
AUTODESK	**Autodesk** is one of the global leaders in design software used by architects and engineers worldwide, and is a provider of software to product designers. According to Autodesk, 80% of the environmental impact of a product or a building is determined in early-phase design, Autodesk's solutions therefore aim to empower customers to optimise the environmental and social impacts of their designs. This can encompass producing designs that dramatically reduce energy needs, provide resilient and environmentally sustainable infrastructure, or allow new approaches to product development and manufacturing. Customised goods that are created locally with less materials waste are of benefit to a sustainable economy. Autodesk has over 5 million paying subscribers with more than 100 million people using its software worldwide.	SUSTAINABLE PROPERTY & FINANCE	70%	KNOWLEDGE & TECHNOLOGY	30%
BORALEX	**Boralex** develops and operates renewable power facilities in Canada, France, and the US. It specialises in wind and run-of-river hydroelectric projects. It is committed to minimising the environmental impact of its projects, avoiding encroachment on farmland and threats to biodiversity. Over the past five years, Boralex's installed capacity has more than doubled, reaching 2,492 megawatts (MW) in 2021, and with more than 3,890 MW in wind and solar projects in development. On an annual basis, Boralex generates around 6,215,000 Mwh of renewable energy, which is enough to power over 650,000 households, and avoids more than 2.9 million metric tonnes of CO_2e**.	CLEANER ENERGY	100%		
CADENCE DESIGN SYSTEMS	**Cadence Design Systems** is a provider of system design tools, software, internet protocol solutions, and services. It is the only company to offer the full suite of products required for the entire electronics design chain, from chip design to chip packaging to boards and systems. It provides the resources semiconductor companies need to develop highly differentiated products within the automotive, cloud datacentre, consumer, industrial, Internet of Things, and mobile industries. Its solutions help speed up the design and reduce the cost of innovative electronic products that transform the way people live, work and play. Cadence reports that Electronic Design Automation's (EDA) technological advances helped reduce the cost of system-on-chip (SoC) portable chip design from $7.7 billion to $40 million by 2011. As of 2021, Cadence had around 9,300 employees located in 23 countries worldwide with its products used in electronic products across a range of dynamic market applications.	KNOWLEDGE & TECHNOLOGY	100%		

* Moore's Law refers to Intel co-founder Gordon E. Moore's (1965) suggestion that the number of transistors that can fit onto a microchip would double every two years. Thus we can expect the speed and capability of computers to increase every couple of years, and at lower cost. Another tenet of Moore's Law asserts that this growth is exponential.

** Estimated using a global estimate of CO_2e intensity in electricity production provided by the IEA.

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
CORE & MAIN	**Core & Main** is a leading distributor of products and services for water infrastructure and fire protection in the United States. Its products are used by municipalities and construction industries for the building, repair, and maintenance of water, wastewater and fire protection systems. Core & Main is a key beneficiary from the upgrade of America's ageing water infrastructure, with a nationwide footprint to ensure the safe and reliable distribution of water to the public. This includes community water supplies affected by drought and climate change, such as Nevada's Lake Mead which provides drinking water to 25 million people - a $650mn project for a new pumping station involving Core & Main created capacity to deliver up to 900mn gallons a day to area treatment facilities.	 WATER MANAGEMENT	90%	 SAFETY	10%
CROWN CASTLE	**Crown Castle** is a provider of communications infrastructure in the US. It owns and leases over 40,000 cell towers and fibre networks and it is investing in small cells which will contribute to the transition to 5G communication networks, providing the backbone to a more connected world. Its colocation model enables its customers to operate networks with increased efficiency leading to a reduced environmental impact and enabling a path to lower cost access to connectivity for wider communities.	 KNOWLEDGE & TECHNOLOGY	100%		
DS SMITH	**DS Smith** is a leading manufacturer and recycler of corrugated packaging products in Europe. Its recycling and packaging operations are closely integrated, to the extent that it takes as little as 14 days for a cardboard box to be made, used, collected, recycled, pulped, pressed and made back into a cardboard box again. The company aims to create a completely circular supply chain, thereby achieving zero waste. This commitment to sustainable packaging solutions is enabling customers to reduce the environmental impact of their products. As one of Europe's largest recyclers, DS Smith handles 6 million tonnes of waste per year.	 ENVIRONMENTAL SERVICES	100%		
ENCOMPASS HEALTH	**Encompass Health** is a leading provider of post-acute care in the US. It operates more than 120 inpatient rehabilitation centres across 29 states. Encompass Health is able to offer cost-effective inpatient rehabilitation centres and home care services. Encompass Health treats on average more than 350,000 patients annually.	 HEALTH	100%		
EQUINIX	**Equinix** is a real estate investment trust that develops and operates interconnected data centres. It is one of the largest operators in the world, with more than 180 data centres in 44 markets across five continents. Data centres are the backbone of the internet and a more connected world – with advances in the Internet of Things and artificial intelligence there should be continued growth in demand for efficient and secure storage and transmission of data. Equinix has a long-term goal to use 100% renewable energy to power its operations and should therefore have a positive impact on lowering carbon emissions by enabling customers to move energy-intensive computing processes into the cloud. In 2020, Equinix avoided more than 1.9 million tonnes of CO_2e through their purchase of renewable energy for their data centres.	 CLEANER ENERGY	100%		

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
HDFC BANK	**HDFC Bank** is a best-in-class franchise and one of the largest private sector banks in India, serving more than 120 million customers. As one of the leading banks in India, it plays a critical role in extending banking services to the unbanked population through innovative solutions and digital initiatives, bringing people into the formal financial channels. HDFC also supports the growth of the startup ecosystem, and actively participates in the Government's efforts to foster financial inclusion. The bank lends to marginal sections, including farmers, small businesses, and traders. HDFC has launched several initiatives for promoting access to credit for these segments. As of June 2023 (pre-merger with HDFC Ltd), the bank's total asset base was Rs25.1 trillion, with a deposit base of Rs19.1 trillion, and loans of Rs16.2 trillion. Following the merger of HDFC Bank with HDFC Ltd, the bank forms 15% and 11% of the entire Indian banking system's credit and deposits, respectively. The bank boasts superior metrics across the board and is the beneficiary of a long-term secular tailwind in India, which is the consistent shift in market share away from public sector banks to the private sector banks, in which HDFC Bank has been capturing a disproportionate incremental share.	 SUSTAINABLE PROPERTY & FINANCE	100%		
HOME DEPOT	**Home Depot** is a home improvement retailer that sells products throughout North America. It targets both do-it-yourself (DIY) and professional customers with a broad selection of products used for home building, renovating, remodelling, and gardening. Buildings have multiple components with different life expectancies and Home Depot's products improve the resilience, energy performance, and aesthetics of homes. As a large retailer,the company can influence its supply chain to adhere to high environmental standards, including circular economy initiatives, sustainable sourcing, and responsible manufacturing. In 2020, Home Depot had over 1.76 billion customer transactions across its 2,300 stores.	 SUSTAINABLE PROPERTY & FINANCE	80%	 QUALITY OF LIFE	20%
HUMANA	**Humana** is a health insurance company with a primary focus on providing Medicare Advantage plans (a type of health plan) to senior citizens in the US. It is a pioneer in integrated care, aiming to lower costs for its members through better prevention of health problems and programmes to encourage healthier lifestyles. It has a range of clinical capabilities and resources such as in-home care, behavioural health, pharmacy services, data analytics, and wellness solutions. Ageing demographics are driving growth in demand for retirees' healthcare and Humana is catering to this by offering affordable products with a service that is consistent with private health insurance. Humana has approximately 22 million members in its specialty products and medical benefits plans.	 HEALTH	100%		
ICON	**ICON PLC** is one of the largest global clinical research organisations (CRO). CROs help pharma and biotech companies manage the human clinical trial process as they move towards drug approvals. This helps accelerate the development of drugs and devices that save lives and improve quality of life. An example of this is the human trials organised for the COVID-19 vaccine. This was one of the largest and swiftest clinical trials ever performed where over 44,000 patients were recruited within four months during the global pandemic. Icon has also had a hand in the development of 18 of the worlds top 20 most popular drugs.	HEALTH	100%		

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Positive impact companies

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INFINEON TECHNOLOGIES	**Infineon Technologies** is a world leading semiconductor and microcontroller manufacturer which is headquartered in Germany. Its solutions are focused on making life easier, safer and greener and it reports revenues across four key end markets: Automotive, Power & Sensor Systems, Green Industrial Power and Connected and Secure Systems. The Automotive segment represents more than 40% of revenues with Infineon's products playing a key role in aiding the transition to electric vehicles. As well as powertrain and energy management, its semiconductors are enabling enhanced safety and greater connectivity in vehicles. The Power & Sensor Systems segment accounts for 30% of revenues and encompasses a large selection of technologies that are used to improve the energy efficiency of electronic devices. The Green Industrial Power segment specializes in semiconductor solutions for the intelligent management and efficient conversion of electric energy along the entire conversion chain: generation, transmission, storage and use. The Connected and Secure Systems segment is focused on microcontrollers for a wide spectrum of IoT applications. During use-phase Infineon products enable CO_2 emission savings of around 100 million tons of CO_2 equivalents.	 EFFICIENCY	60%	 SUSTAINABLE TRANSPORT	40%
INNERGEX	**Innergex** develops and operates renewable power facilities throughout Canada, the United States, France and Chile, specialising in wind, solar, and run-of-river hydroelectric projects. The company has partnered with government, NGOs, conservation groups, academia and local organisations to design and enact solutions that mitigate human-wildlife interaction and disturbance to important ecosystems. On an annual basis, Innergex generates over 9.5 million Mwh's of renewable energy, which is enough to meet the energy needs of more than 1 million households, and avoids more than 4.5 million metric tonnes of CO_2.*	 CLEANER ENERGY	100%		
INTACT FINANCIAL	**Intact Financial** is one of Canada's largest insurers for cars, homes, and businesses, with a market share of nearly 20%. It is using digital technology and data analytics to help customers better understand and mitigate risk, such as climate-related weather risks and influencing driving behaviour. Digitalisation also improves customer experience and retention. Intact Financial is recognised as one of Canada's best employers.	 SUSTAINABLE PROPERTY & FINANCE	50%	 SAFETY	50%
IPG PHOTONICS	**IPG Photonics** is one of the leading global manufacturers of high-performance fibre lasers, and is headquartered in North America. Fibre lasers are up to 20 times more energy efficient than traditional industrial lasers and their use leads to material energy savings and a reduction in carbon emissions. They also have low running costs, requiring no consumables or scheduled maintenance, such as lamps or bars to replace, meaning less waste is produced. Fibre lasers have a large number of applications and they are transforming industrial manufacturing processes, medical technology, and consumer entertainment. IPG reports that its lasers saved more than 7 million metric tons of emissions in 2020.	 EFFICIENCY	100%		

*Estimated using a global estimate of CO2e intensity in electricity production provided by the IEA

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
KEYENCE	**Keyence** is a Japanese based company that is leading global provider of factory automation solutions. It specializes in vision automation which is the fastest growing part of the industrial automation market. It develops and sells a range of sensors, measuring instruments, laser markers, safety scanners, digital microscopes and machine vision systems and its technical sales force offers complete automation solutions to customers. The benefits of its automation solutions are fourfold: Improving productivity and efficiency in manufacturing processes, ensuring product quality, reducing waste and scrappage, and ensuring workplace safety. Its solutions are known for offering a short payback period and it has a customer base of over three hundred thousand worldwide, operating across a broad spectrum of manufacturing industries including automotive, semi-conductors, pharmaceutical, electronics, food and machining. We expect strong demand for Keyence products and services with the two trends of onshoring and labor scarcity.	 EFFICIENCY	60%	 SAFETY	40%
KEYSIGHT TECHNOLOGIES	**Keysight Technologies** is an electronic design and testing company. It also offers instrument productivity and application services and instrument calibration and repair, as well as consulting services throughout the product life cycle. It is at the heart of the digital revolution, providing solutions that are used by customers in the communications, networking, electronics, semi-conductor, automotive, aerospace and battery industries. Keysight's solutions are helping customers accelerate innovations in 5G communications, Internet of Things (IoT), network security, and electric vehicles. It supports innovation by providing specialist equipment to more 32 thousand researchers, engineers, and innovators annually.	 KNOWLEDGE & TECHNOLOGY	80%	 NON-THEMATIC	20%
KNORR BREMSE	**Knorr Bremse** is one of the top global manufacturers of sub-systems and components for the rail and commercial vehicle industries. Its technology is focused on improving safety and efficiency. For example, it has leading capabilities in braking systems and driver assistance technology such as lane departure warning and blind spot assistance. Knorr Bremse employs an eco design approach when developing products that aim to minimise environmental impacts in the use-phase and design process.	 KNOWLEDGE & TECHNOLOGY	50%	 SAFETY	50%
LAM RESEARCH	**Lam Research** is a global supplier of fabrication equipment and services to the semiconductor industry. Nearly every advanced semiconductor chip in the world is built with Lam technology. Lam's products are essential to driving innovation in silicon, which is the foundation of all technological progress. As we enter a new age of advanced computing and connectivity, Lam is contributing to the development of new devices and applications enabled by the Internet of Things becoming widespread in connected homes, connected vehicles, and connected cities; from digital energy to new consumer and medical technologies. Since 2015, LAM Research has helped to reduce the energy intensity of semiconductor production lines between 25-35%.	 EFFICIENCY	50%	 KNOWLEDGE & TECHNOLOGY	50%
LEGRAND	**Legrand** is a global specialist in electrical and digital infrastructure for managers of residential and non-residential buildings, including datacentres, industrial spaces, and infrastructure. From smart meters to cable management, power distribution and voice-data-image (VDI) systems distribution, Legrand provides a host of solutions designed to manage lighting, energy, networks and building access. Its products improve building efficiency and enhance electrical safety. Legrand also designs assisted living systems to help people live longer and better lives in their own homes. On average, Legrands products have helped consumers save more than 1.6 million tonnes of CO_2e annually.*	 SUSTAINABLE PROPERTY & FINANCE	80%	 EFFICIENCY	20%

*13 million cumulatively saved since 2014.

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
MARSH & MCLENNAN	**Marsh & McLennan** is a global provider of risk management, risk consulting, and insurance programme management services to businesses, governments and individuals around the world. Marsh & McLennan utilises data to help clients understand and manage complex risks. There is growing demand for insurance given the emergence of new risks such as the environmental consequences of climate change, cyber risk, and the risks associated with the provision of retirement and healthcare services to an ageing population. The company conducts business through risk management and insurance, and consulting in health, wealth and career services and specialised management, economic and brand consulting services. The company's 83,000 colleagues advise clients in over 130 countries, including 85% of the Fortune 1000 companies.	SUSTAINABLE PROPERTY & FINANCE	50%	SAFETY	50%
MASTERCARD	**Mastercard** operates a global payments processing network in more than 200 countries around the world, connecting consumers, financial institutions and businesses. Its mission is to make payments safe, simple and smart and it is regarded as a leader in the field of electronic payments innovation. There are many benefits to the electrification of payments including security, convenience and also economic development and financial inclusion. Mastercard has numerous initiatives around the world focused on providing affordable financial services programmes to promote inclusive growth. In 2020, it met its goal of bringing 500 million people into the digital economy.	SUSTAINABLE PROPERTY & FINANCE	100%		
MCCORMICK	**McCormick** is a leading global manufacturer of herbs and spices, headquartered in North America. In 2015, the US Dietary Guidelines Advisory Committee specifically recommended greater use of herbs and spices as part of a healthy diet and as a way to reduce sodium intake. McCormick has a robust sourcing programme in place, working with producers from all over the world to improve the sustainability of farming practices. McCormick owns leading consumer brands in nearly 170 countries and develop flavour solutions for a wide range of applications. McCormick has the goal of generating 90% revenue from health nutrition or natural consumer choices by 2025.	QUALITY OF LIFE	100%		
MICROSOFT	**Microsoft** is one of the world's leading computing providers and its products are used in many different ways for the benefit of the environment and society. The power of computing underpins all technological innovation and Microsoft's mission is to empower every person and every organisation on the planet to achieve more. Its strategy is to "build best-in-class platforms and productivity services for a mobile-first, cloud first world". For over 40 years, Microsoft has been producing productivity and business processes software that is universal, easy to use and multipurpose. This has improved efficiency and reduced barriers to entry for computing, and is now used by over 1.2 billion people around the world across sectors including education, energy, water, agriculture, the built environment and transportation. This is all underpinned by the carbon-neutral Azure cloud platform which enables businesses to decarbonise their energy intensive computing operations.	KNOWLEDGE & TECHNOLOGY	60%	CLEANER ENERGY Note: 10% is NON-THEMATIC	30%
MURATA MANUFACTURING	**Murata Manufacturing** is one of the world's largest manufacturers of passive components for electronic devices, such as capacitors, acoustic filters, ultrasonic sensors, communication modules, power inductors and lithium-ion batteries. These components are necessary for the safe and effective functioning of all electronic circuits being used to control electric flow, store electricity, and enable wireless communication. There is strong growth in demand from electric vehicles, 5G communications technology and renewable energy, as well as any market where electrification is accelerating. Murata's primary end markets include communications, computing, automotive, home, and audio-visual.	KNOWLEDGE & TECHNOLOGY	60%	SAFETY	40%

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
NANOSONICS	**Nanosonics** is a healthcare technology company specialising in infection control. Its mission is to improve the safety of patients, clinics, their staff and the environment by transforming the way infection prevention practices are understood and conducted, and introducing innovative technologies that deliver improved standards of care. Its solutions can be used at point of care and are proven to eliminate an extended range of infectious microbes and pathogens that have developed resistance to other disinfection methods. Its innovation for the disinfection of ultrasound probes, Trophon, protects over 32 million patients annually from the risk of cross contamination.	 SAFETY	50%	 HEALTH	50%
NIKE	**Nike** is one of the world's largest suppliers of shoes and clothing. It has the stated mission of bringing inspiration and innovation to every athlete in the world. Alongside the health and wellbeing benefits of its products, Nike is a leader in sustainable manufacturing and is moving towards a low impact, closed loop model that uses reclaimed materials at the start of the manufacturing process. Additionally, Nike is targeting using 100% renewable energy in its owned and operated facilities by 2025. Nike sells over 250 million pairs of shoes per year, or around 8 pairs a second.*	 QUALITY OF LIFE	100%		
NVENT ELECTRIC	**nVent Electric** is a key provider of electrical and digital infrastructure. The company's products and solutions protect mission-critical equipment from dangerous conditions, and include technical enclosures, fasteners, control systems, and other critical components. These products serve to protect its customers from the high cost of failure, with downtime potentially aggregating up to $1 million per hour for some end-users. The business is exposed to the electrification megatrend and serves several end-markets with the aim to enhance electrical safety and sustainability, including industrial (automation, digitization, onshoring), commercial/residential (smart buildings, power and data, etc), infrastructure (data solutions, power utilities, renewables), and energy (clean fuels, carbon capture, hydrogen) markets. Data centres are a key growth area for the business; within this vertical, a key driver is liquid cooling, in which the company was one of the first-movers, and liquid cooling is 30-50% more energy efficient than air cooling. The liquid cooling market is growing 3x faster than legacy cooling and only 5% of data centres being liquid cooled today. The company enjoys a scale advantage, and the majority of sales are from products where they are the #1 or #2 player in the space, with more than 30 million nVent enclosures in use around the globe today. nVent is also targeting for 90% of new product introductions to have a sustainable impact.	 SAFETY	50%	 SUSTAINABLE PROPERTY & FINANCE	50%
NINTENDO	**Nintendo** is a Japanese consumer electronics and video game company with the mission to put smiles on the faces of everyone it touches. The company's top selling games have sold almost 125 million units combined and target a broad demographic, are all family friendly, and mainly encourage social interaction through multi-player modes. Nintendo has developed technology which allows parents to remotely monitor and control a child's usage and is taking steps to minimise the negative impacts from overuse. Studies have shown that gaming improves reading & mathematics, multi-tasking, perseverance, and fine motor skills, which all contribute to STEM learning. Its products have been incorporated into national school curriculums in several countries around the world.	 QUALITY OF LIFE	100%		

*Taking footwear sales segment and assuming a $100 average price.

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
NVIDIA	**NVIDIA** is a US based company that designs, develops and markets graphics processing units (GPUs) that enhance the performance of computing platforms across the globe. Nvidia's GPUs use up to 90% less energy than Central Processing Units (CPUs) for computer graphics, image processing, and processing large blocks of data in parallel. This increases the processing power efficiency of computing and in turn energy efficiency. Analysis from the International Energy Agency shows that in a 10 year period from 2010 to 2019 global data centre energy use remained flat despite a greater than 8-fold increase in data centre workloads. NVIDIA's GPUs have also enhanced cloud-based gaming and game-streaming, increasing connectivity between users; NVIDA GeForce has more than 200 million gamers. In addition, the company's products are increasingly being used in autonomous vehicles, artificial intelligence, and research and development for medical science.	EFFICIENCY	70%	QUALITY OF LIFE	30%
PROGRESSIVE	**Progressive** is one of the largest car insurance companies in the US with an expanding home insurance segment. Serving both individuals and businesses, Progressive considers itself a data science company that services the insurance market. It uses data analysis to track driving habits and identify lower risk drivers, which in turn allows it to offer lower insurance rates, thus incentivising safer driving habits amongst its policy holders. Progressive currently has over 20 million policies in force.	SUSTAINABLE PROPERTY & FINANCE	60%	SAFETY	40%
PROLOGIS	**Prologis** is an owner, operator, and developer of industrial real estate specialising in modern distribution facilities which it leases to around 5,800 customers; these include manufacturers, retailers, transportation companies, third-party logistics providers, and other enterprises. The company has nearly 500 buildings, with an aggregate footprint of over 100 million square metres, that have achieved sustainable building certification, and it has committed to 100% of all future developments achieving certification. E-commerce enabled by Prologis has been shown to have 36% lower carbon emissions on average and replace up to 100 car trips compared to traditional instore retail. The company's built-out logistics network can also reduce transport related emissions by 50%.	SUSTAINABLE TRANSPORT	50%	CLEANER ENERGY	50%
PRYSMIAN	**Prysmian** is a cables company offering products and solutions for the energy, industry, and telecom sectors. About half of the company's revenues are derived from low carbon-enabling products. Cables are the backbone of electrification; they are essential for the further proliferation of renewables, including onshore/offshore wind and solar, as well as datacentres and interconnectors for transmission grids. Given that renewable energy is intermittent, long-distance interconnectors allow higher utilisation of renewable resources, leading to lower curtailments of renewable resources and reduced GHG emissions. Cable cost is often the largest part of investment in the buildout of transmission grids, and in some cases can account for >50% of total capex. Cable demand is increasing; cable need by 2030 will be about five times the amount required in 2020, indicating a long runway for growth.	CLEANER ENERGY	50%	KNOWLEDGE & TECHNOLOGY	50%
SCHNEIDER ELECTRIC	**Schneider** is a world-leading electrical goods and automation technology company, headquartered in France. It has a broad product offering including low voltage and building automation technology for residential and commercial buildings, medium voltage and grid automation equipment for utility and infrastructure customers, discrete and process automation services for industrial customers, and critical power and cooling technology for datacentre customers. All of its products and services are designed to increase efficiency and reduce the carbon intensity of its customers' operations, which is on average over 20%.	EFFICIENCY	80%	KNOWLEDGE & TECHNOLOGY	20%

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
SHIMADZU	**Shimadzu** is a Japanese manufacturer of analytical and measuring instruments used in research, development, and quality control. It specialises in fast and highly sensitive instruments that enable complex monitoring and analysis, such as for COVID-19 virus detection and testing, to screen for cancer or dementia using mass spectrometer systems, and by analysing water quality, air pollution, and other environmental samples. Shimazu's cutting edge products have enabled a number of innovations contributing to safety and health, resulting in a growing number of applications, including in food and environment safety testing, healthcare services, and drug discovery. It partners with clients around the world to solve technical challenges and contribute to progress in a wide range of industries including in pharmaceuticals, healthcare, energy, semiconductors, and materials.	SAFETY	70%	HEALTH	20%
			Note: 10% is NON-THEMATIC		
SHIMANO	**Shimano** is one of the leading global manufacturers of bicycle components, and is headquartered in Japan. It is renowned for its high quality craftsmanship, and its components can be found on a full range of bicycles, from daily users to those used by the world's top racing teams. As well as being an environmentally sustainable method of transport, cycling is also recognised for its health benefits and it enjoys government support in many regions of the world. With more than 90 years of history, Shimano is in the development of new technologies: it creates products in response to the needs of cyclists all over the world, made with high quality components, original technology and innovative ideas.	QUALITY OF LIFE	60%	SUSTAINABLE TRANSPORT	40%
SSE	**SSE** is an energy utility that operates in the UK & Ireland with a focus on electricity generation and regulated transmission networks. It is playing a critical role in enabling the UK's transition to a low carbon economy. The company is one of the largest developers of renewable energy projects in the UK and has a target to treble its clean energy output by 2030. SSE closed its final coal plant in March 2020 and has announced its intention to decarbonise its gas generation plants via carbon capture and hydrogen technology. Its overall energy intensity is currently well within the International Energy Agency's Paris Agreement 2-degree scenario and by 2030 it will decline to 150gCO_2e/kWh. On an annual basis, SSE generates over 9.6 million Mwh's of renewable energy, which is enough to meet the energy needs of more than 1 million households, and avoids more than 4.5 million metric tonnes of CO_2.*	CLEANER ENERGY	90%	NON-THEMATIC	10%
S&P GLOBAL	**S&P Global (SPGI)** is a leading provider of credit ratings, benchmarks, analytics, and workflow solutions in the global capital, commodity, and automotive markets. The company operates in five divisions - Ratings, S&P Dow Jones Indices, Commodity Insights, Market Intelligence and Mobility. SPGI's mission is to "accelerate progress" through the harnessing of its data insights to power markets. SPGI's data and analytics influence the capital allocation and investment decision making of its more than 100,000 customers world wide, which include financial instituions, corporates and governments. Recently it has been focusing on sustainable investments with its Sustainable1 initiative aiming to embed sustainability products across all divisions. This underlines the importance of SPGI's role in influencing in the transition to a more sustainable global economy - by providing insights on the risks, opportunities and impacts in relation to topics such as climate, energy transition, biodiversity, clean technology, and other ESG issues, it helps companies and investors identify prospects for growth, mitigate risks, position for emerging regulations and maximise performance through intelligent capital allocation; which in turn drives the evolution of the global economy towards a more sustainable footing.	SUSTAINABLE PROPERTY & FINANCE	50%	KNOWLEDGE & TECHNOLOGY	20%

*Estimated using a global estimate of CO2e intensity in electricity production provided by the IEA.

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
TE CONNECTIVITY	**TE Connectivity** is one of the global leaders in the connectors and sensors industry. It designs and manufactures devices that connect and protect the flow of power and data inside a wide variety of industrial and consumer products such as subsea communications networks, factory automation systems, electric cars, and wearable fitness trackers. Its sensors also play a critical role in improving healthcare, being incorporated into medical devices with applications from diagnostics and therapeutics, to imaging and surgery. TE Connectivity's technology enables customers to make products that are more reliable, safe, and energy efficient and which improve people's lives. With more than 85,000 employees, including over 8,000 engineers, TE Connectivity working alongside customers in approximately 140 countries.	SUSTAINABLE TRANSPORT	60%	KNOWLEDGE & TECHNOLOGY	40%
TEXAS INSTRUMENTS	**Texas Instruments** is one of the world's largest semiconductor design and manufacturing companies. Its primary area of focus is on developing analogue chips and embedded processors, which are fundamental building blocks of a more connected world and can also improve efficiency. Examples of the wide variety of end customer applications include renewable energy technology, healthcare diagnostics equipment, factory automation, smart meters, security systems, battery management systems, autonomous driving, and smart irrigation. The company has over 100,000 customers and produces tens of billions of chips each year.	EFFICIENCY	80%	KNOWLEDGE & TECHNOLOGY	20%
T-MOBILE	**T-Mobile** is one of the major global communication services companies. As the clear leader in 5G investment in the US, T-mobile stand to play a pivotal role in the upcoming era of ubiquitous connectivity through the IoT. Digital connectivity is a powerful tool for economic and social development. In developed economies, 5G networks will enable societies to capture productivity gains from smart cities, mobile working and autonomous driving. T-mobile's 5G networks already cover nearly all of the US, around two years ahead of competitors, with additional investments planned to improve speed and reliability.	KNOWLEDGE & TECHNOLOGY	100%		
WABTEC	**Westinghouse Air Brake Technologies** (Wabtec), headquartered in North America, is one of the world's largest providers of equipment and components to the global freight and transit rail industries. Its products are focused on safety and efficiency, including driver control systems, collision-avoidance systems, braking equipment, signalling technology and low emission locomotives with enhanced fuel efficiency. Rail has the lowest environmental impact out of all motorised modes of land transportation, with the GHG emission of rail per kilometre 41g on average, less than a third of a short haul flight at 156g. With the global transportation sector accounting for nearly 25% of total worldwide GHG emissions, rail and public transportation systems have a key role to play in achieving decarbonisation. Wabtec has over 23,000 locomotives in services and over 45,000 vehicles fitted with Wabtec breaking systems in over 100 countries.	SUSTAINABLE TRANSPORT	50%	SAFETY	50%
WALKER & DUNLOP	**Walker & Dunlop** is a full service commercial real estate financing company in the United States, originating loans, servicing mortgages and providing asset management services. It has a particular focus on multi-family properties (apartment buildings) with a leading share of mortgage originations with the government sponsored agencies Fannie Mae (Federal National Mortgage Association) and Freddie Mac (Federal Home Loan Mortgage Corporation). Walker & Dunlop has specialist expertise in helping clients comply with government regulations and programmes concerning the provision of affordable housing and green lending, as well as healthcare, senior living and student properties. The loan servicing professionals from Walker & Dunlop manage a $107.2 billion portfolio, one of the largest commercial real estate portfolios in the country.	SUSTAINABLE PROPERTY & FINANCE	100%		

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Positive impact companies

Company	Positive impact	Primary Theme	Weight %	Secondary Theme	Weight %
WOLTERS KLUWER	**Wolters Kluwer** is a global provider of professional information, softwaresolutions and services for clinicians, nurses, accountants, lawyers and tax, finance, audit, risk, compliance and regulatory sectors. It provides services that support the strength and smooth running of governmental, regulatory and public service institutions. Its services focus on the world's most critical areas helping to protect people's health and prosperity, and contributing to a safe and just society. The group serves customers in over 180 countries, maintains operations in over 40 countries.	 KNOWLEDGE & TECHNOLOGY	100%		
XYLEM	**Xylem** is a global water infrastructure and technology company headquartered in North America. It has a broad portfolio of products and applications for the water and wastewater, agriculture, industrial, residential and commercial end markets. Climate change is having a disruptive impact on the global water cycle; at the same time that demand for fresh water continues to increase due to population growth and urbanisation. Xylem's solutions range from flood recovery services to water conservation and treatment services. Xylem provides water and sanitation solutions to of 4.5 million people around the world.	 WATER MANAGEMENT	50%	 ENVIRONMENTAL SERVICES	50%

Environmental themes



A global energy mix shifting to renewable and cleaner energy is crucial in order to limit global temperature increases. Additionally, battery storage will play an essential role in enabling renewables to become a mainstream source of energy by smoothing the peaks and troughs associated with variable output from solar and wind farms. We also seek to recognise where products and services are delivered primarily with low/zero carbon energy.

For example: Renewable energy developers and operators, renewable energy technology, battery technology, low carbon cloud operation, low carbon real estate operation



Roughly two-thirds of the primary energy contained in fossil fuels globally is wasted. As well as reducing emissions, efficiency gains are necessary in the use of all natural resources, including materials, food and water. At its core, efficiency is about minimising environmental impact while still providing essential goods and services to society.

For example: Electrical equipment, industrial process and automation technology, building materials, software, semiconductors



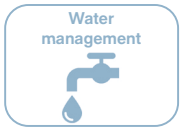
The value of 'natural capital' is not captured in economic measures and yet it is the foundation of prosperity. There are many negative impacts on the environment associated with population growth and a linear economic model. Waste management, pollution control, environmental protection and remediation, and the creation of circular business models are all required. Underpinning this is the environmental data and analytics that inform resource reduction and management decision-making.

For example: Recycling and circular economy, natural capital, sustainable packaging, waste management, environmental engineering & infrastructure, environmental data solutions



Transportation is one of the main contributors to global greenhouse gas emissions and pollution and is a key target for government curbs. There is significant opportunity for companies at the forefront of pioneering new energy technologies, vehicle efficiency, public transport infrastructure and other lowcarbon solutions.

For example: Electric vehicles, electric vehicle technology, rail, public transport, shared economy, cycling



Water is under pressure from both the supply side (insufficient fresh water, uneven distribution, poor quality and climate change) and the demand side (increasing use in agriculture, industry and municipal/residential areas). Substantial investment is required in infrastructure, alongside behavioral changes, in order to bridge the supply gap.

For example: Water utilities, water technology, water infrastructure

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Social themes



There is a close link between sustainability and innovation. Technological innovation and the advancement of knowledge play an integral role in the development of a more sustainable economic model. The world needs companies that provide tools and services that enable greater productivity and innovation.

For example: software, semiconductors, AI, cloud computing, robotics, communication services, education & publishing

Ageing populations are putting systemic pressures on health provision and social care services. The demand for healthcare increases with age and the challenge will be providing affordable care and services for this growing segment of society over a longer time horizon – as life expectancies are also rising – in addition to supporting healthcare innovation to address unmet needs.

For example: health insurance, healthcare information technology, healthcare services, diagnostics



Growing populations, technological change and climate change are leading to an increase in the scope and complexity of risks. Companies with goods and services that prevent or mitigate risks are necessary to protect human life and enhance economic resilience. Examples are technology or services related to road safety, natural disasters, cyber security and food safety.

For example: food, drug & environmental testing, transportation & electrical safety, public safety equipment, insurance, quality assurance



Financial services play an integral role in the development of a sustainable economy. Banks provide essential products and services for savers, borrowers and business. Insurance companies contribute to economic resilience. Urbanisation, demographic trends and climate change necessitate the construction of sustainable and resilient housing and other types of property used in the provision of social services.

For example: financial technology, commercial and retail banks, insurance, housing, digital payments



Thousands of years of human development have resulted in rich and diverse societies with complex needs. There are many companies with goods or services that make a positive contribution to society and human culture by improving quality of life, including healthy living, sustainable consumer goods, and entertainment & leisure.

For example: entertainment & leisure, sports & fitness, sustainable clothing, healthy food

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INVESTORS

Important Information

All data sourced from Janus Henderson Investors (as at 31 December 2023), unless otherwise stated.

In accordance with the Sustainable Finance Disclosure Regulation, Portfolios within this strategy are classified as Article 9 and have sustainability as their objective.

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