

# QUARTERLY Commentary

Artisan Partners Global Funds plc

For Institutional Investors - Not for Onward Distribution

### **Investment Process**

We seek to invest in high-quality, undervalued companies with strong balance sheets and shareholder-oriented management teams.

### Undervaluation

Determining the intrinsic value of a business is the heart of our research process. Intrinsic value represents the amount that a buyer would pay to own a company's future cash flows. We seek to invest at a significant discount to our estimate of the intrinsic value of a business.

#### **Business Quality**

We seek to invest in companies with histories of generating strong free cash flow, improving returns on capital and strong competitive positions in their industries.

#### Financial Strength

We believe that investing in companies with strong balance sheets helps to reduce the potential for capital risk and provides company management the ability to build value when attractive opportunities are available.

### **Shareholder-Oriented Management**

Our research process attempts to identify management teams with a history of building value for shareholders.

### **Team Overview**

Our team has worked together for many years and has implemented a consistent and disciplined investment process. Our team is organized by geographic regions, but within those regions we are generalists who look across all industries. We believe this model enables our analysts to become broad thinkers and gain critical insight across all economic sectors.

### Portfolio Management





aniel J. O'Keefe Portfolio Manager (Lead) Portfolio Manager Managing Director Managing Director

### Investment Results (%)

Investment Results (%)					Average Annual Total R	eturns	
As of 31 March 2024	QTD	YTD	1 Yr	3 Yr	5 Yr	10 Yr	Inception
Class I USD—Inception: 01 Mar 2011	7.24	7.24	23.88	7.52	10.08	7.70	9.53
MSCI All Country World Index (USD)	8.20	8.20	23.22	6.96	10.92	8.66	8.62
MSCI All Country World Value Index (USD)	6.85	6.85	18.01	6.67	7.64	5.98	6.44
Class I EUR—Inception: 14 Dec 2015	9.74	9.74	24.53	10.55	10.94	—	9.75
MSCI All Country World Index (EUR)	10.67	10.67	23.95	10.01	11.78	_	11.00
MSCI All Country World Value Index (EUR)	9.29	9.29	18.71	9.72	8.48		8.54
Class I GBP—Inception: 14 Jun 2016	8.32	8.32	21.01	10.72	10.78	—	11.55
MSCI All Country World Index (GBP)	9.19	9.19	20.60	10.15	11.61	_	12.83
MSCI All Country World Value Index (GBP)	7.83	7.83	15.50	9.85	8.31		10.01
Class A USD—Inception: 06 Aug 2013	7.05	7.05	22.80	6.62	9.16	6.79	7.44
MSCI All Country World Index (USD)	8.20	8.20	23.22	6.96	10.92	8.66	9.12
MSCI All Country World Value Index (USD)	6.85	6.85	18.01	6.67	7.64	5.98	6.61
Annual Returns (%) Trailing 12 months ended 31 March		2020		2021	2022	2023	2024
Class I USD		-21.43		65.48	3.44	-3.00	23.88

Source: Artisan Partners/MSCI. Returns for periods less than one year are not annualized.

Past performance does not predict future returns. Performance is NAV to NAV, including reinvestment of dividends and capital gains, if any, and is net of fees and expenses, excluding any subscription or redemption charges which may be levied. At the moment, the Fund does not intend to charge subscription or redemption fees. The Fund may be offered in different share classes, which are subject to different fees, expenses and inception dates (which may affect performance), have different minimum investment requirements and are entitled to different services. Funds are actively managed and are not managed to a benchmark index.

Investment Risks: Investments will rise and fall with market fluctuations and investor capital is at risk. Investors investing in funds denominated in non-local currency should be aware of the risk of currency exchange fluctuations that may cause a loss of principal. These risks, among others, are further described on the last page, which should be read in conjunction with this material.

Performance commentary is provided in relation to the Fund's USD share class.



## Quarterly Commentary Artisan Global Value Fund

### Market Overview

Global markets notched a full year of gains in a quarter. The MSCI World Index's 10-year compound annual return is 9%; this quarter it gained 9%. Not bad considering last year's 25% gain.

Returns were broadly distributed globally. Most international markets were strong in local currency terms but less so in US dollars as the greenback continued to gain due to strong relative economic performance (more on that later). The MSCI EAFE Index, for example, rose by 10% in local currency but "only" 6% in dollars. Japan was the best performing major market, both in local currency and in dollars. In yen, the Nikkei 225 Index rose 22%, but it gained 13% in dollars. The yen is at its lowest level versus the dollar since 1990. This is not surprising. Japan is an export-oriented economy, and the government prefers a cheap yen to maintain competitiveness. The entire developed world raised interest rates, but Japan continues the negative real rate experiment with only a modest increase to a barely positive nominal interest rate. And Japan's relatively terrible economic performance of the past three decades shows no sign of ending. None of this argues for a strong currency. That said, even after currency headwinds, the Japanese stock market did better than the S&P 500° Index's 11% gain. China continued to lag notably. The second-largest economy in the world is struggling with a real estate/debt crisis, a weak post-COVID recovery and geopolitical tensions that are meaningfully reducing foreign investment. The Chinese market declined 2% in the quarter.

Investors have had guite a run post-COVID. Since the lows of March 2020, the S&P 500<sup>®</sup> Index has returned 143%, the MSCI ACWI 115% and the MSCI EAFE Index 90%. Since the end of 2019 (the last full year prior to COVID-19), the S&P 500° Index total return is 74%, the MSCI ACWI Index 52% and the MSCI EAFE Index 31%. It must be noted that inflation has been a meaningful component of these returns. Markets are priced in nominal, not real, terms, and the significant levels of inflation we have seen post-COVID are reflected in share prices. Companies have absorbed tremendous levels of inflation and have passed it on successfully for the most part. We attempted a crude decomposition analysis of post-COVID S&P 500® Index returns, into inflation, GDP and other factors. Ideally, we would have done this for the MSCI ACWI Index as it is global in nature, but it would have required too many individual country calculations given varying GDP and inflation figures. The S&P 500® Index is simpler as it is a US index, although analyzing it in this way is problematic as constituent companies are mostly global in their operations. Let us then stipulate that this analysis is crude and imperfect, but we believe still interesting.

Exhibit 1: Decomposition Analysis of the S&P 500° Index Returns Post-Pandemic

	2019	2020	2021	2022	2023	2019–2023 Change
S&P 500 <sup>®</sup> Index Returns <sup>1,2</sup>	100.0	116.3	147.5	118.8	147.6	
% Change		16.3%	26.9%	-19.4%	24.2%	47.6%
S&P 500 <sup>®</sup> Index Earnings	163.6	142.9	198.5	223.8	221.5	
% Change		-12.6%	38.9%	12.7%	-1.0%	35.4%
S&P 500° Index P/E	19.7	26.3	24.0	17.2	21.5	
Chained CPI Index <sup>1</sup>	100.0	101.2	106	114.5	119.2	
% Change		1.2%	4.7%	8.0%	4.1%	19.2%
Real GDP <sup>1</sup>	100.0	97.8	103.5	105.4	108.1	
% Change		-2.20%	5.80%	1.90%	2.50%	8.1%
Nominal GDP <sup>1</sup>	100.0	99.1	109.6	119.6	127.1	
% Change		-0.9%	10.7%	9.1%	6.3%	27.1%

Market Return Decomposition (%), 2019–2023				
Inflation	19.2			
GDP Growth	8.1			
Multiple/Other	+ 20.3			
S&P 500° Index Return	47.6			

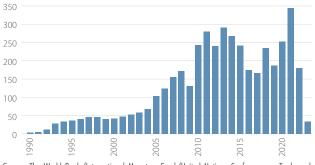
Source: FactSet/Bloomberg/FRED. As of 31 Mar 2024. <sup>1</sup>Indexed to 100. <sup>2</sup>Percent change in price during the period. Chained CPI is a measure of consumer spending that accounts for changes in consumer preference and product substitutions due to changes in the relative prices of goods. **Past performance does not guarantee future results**.

Stock market returns over any period are mostly a function of two variables: earnings growth and multiple expansion. Earnings growth can, of course, be heavily influenced by GDP and inflation. The influence of each starts at the revenue line and then flows down through the income statement and into earnings. A GDP growth business will see its revenue growth generally track with nominal GDP, and if it manages its costs and capital well, it can generate a higher rate of earnings growth. Amid meaningful inflation, if a company can pass it on via higher prices while keeping its own cost increases at or below the rate of inflation, the company's earnings growth rate will benefit. It has been our experience that companies have been mostly able to pass on recent inflation and that inflation has been an accelerant to earnings growth. How much inflation, GDP and company-specific factors contributed precisely is, of course, outside the scope of our simple analysis. But it seems clear to us inflation was a meaningful contributor to earnings and, therefore, stock market return over the post-COVID period. Inflation rose 19% during the period. Is 19 percentage points out of the S&P 500° Index's cumulative 48% return a reasonable proxy for the impact of inflation on returns? It could be more or less, depending on to what degree companies held their costs at, below or above the rate of inflation, but it is certainly a fair starting point for debate. We can certainly say that some meaningful part of the return was simply the preservation of purchasing power amid an orgy of money printing and fiscal stimulus, and therefore, real returns were meaningfully lower than nominal returns. It is also a good lesson on how equities may serve as a hedge for investors in protecting against the inflation thief.

We should reflect further on GDP growth. The above analysis is based on US economic data and the S&P 500° Index. Were we to do the same analysis for any other country, its GDP component would look much worse and so would its stock market returns to the extent they reflected local economic conditions rather than global ones. Since 2019, US economic performance has left the rest of the world in the dust. Since 2019, Japan's real GDP has grown 1%, the UK 2% and the euro zone 3%. From what we see on the ground, the gap between the US and the rest of the world is only widening. GDP growth in the euro zone and the UK was essentially flat in 2023. Germany went backward. The US grew 2.5%.

The US is by far the world's economic powerhouse for many reasons, most importantly its relatively free and capitalistic nature. Energy independence and population growth also play a large role. We also see evidence of meaningful disinvestment from other countries into the US. German companies, for example, announced a record \$15.7 billion of capital commitments in US projects in 2023, up from \$8.2 billion the prior year. This reflects Germany's difficult investment conditions, in no small part, in our opinion, to the country's self-destructive and highly inflationary energy policies forcing a kind of de-industrialization. It also reflects worsening conditions in China, Germany's largest trading partner. Notably, foreign direct investment in China has collapsed to levels not seen since before China's 2001 ascension to the World Trade Organization.

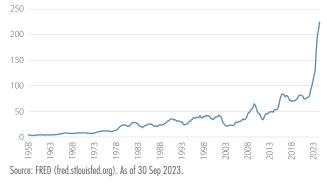
Exhibit 2: Foreign Direct Investment in China, Net Inflows (\$bn, Current USD)



Source: The World Bank/International Monetary Fund/United Nations Conference on Trade and Development/Nikkei Asia. As of 31 Mar 2024.

The US is now the clear frontrunner for investors. Witness 2023 private investment in US manufacturing reaching a level that was multiples of prior peaks.

Exhibit 3: US Private Investment in Manufacturing (\$bn)



Given the strength of the US economy, the focus on interest rate cuts within the investment and business communities is perplexing. Inflation has moderated—albeit to levels much higher than the

past decade—and the economy is humming. Why do rates need to come down with the economy so strong? In weaker economies such as Europe and the UK, on the other hand, it makes sense that interest rates should fall; their economies are anemic, inflation has cooled and stimulus is arguably needed. And with weak European economies and likely steep interest rate cuts relative to the US, we don't see the dollar weakening any time soon.

One question does jump out at us. Why haven't the aggressive and sizable interest rate increases slowed the US economy? All else being equal they should, especially given the leveraged nature of the US economy.

It's our view that the current restriction from higher rates is more than offset by the stimulative boost from government spending. The fiscal deficit in 2023 was \$1.7 trillion, or 6.3% of GDP. How does that compare to the economic drag on the economy from higher rates? The US has around \$40 trillion of private debt. Rates are up roughly 500bps since March 2022. While the transmission of higher rates on marginal (i.e., new) borrowing is immediate, it takes time to flow through to the stock of debt. Outstanding car loans and fixedrate mortgages are not impacted by higher rates, for example. Let us assume for the sake of argument that half of the 500bps of hikes has worked its way through the economy. This is probably conservative given the weight of mortgages in the overall level of household debt (almost 70%) and the percentage of mortgages on a fixed rate (also around 70%). At any rate (no pun intended), if 250bps has worked into the economy, the fiscal drag from higher rates on household finances would be about \$1 trillion. That's about a 3% drag on GDP compared to the 6% boost from the deficit. Moreover, as wages and profits have grown while debt service has not, some consumers and companies have improved their spending power overall. Of course, the longer rates stay at current levels, the larger the percentage of outstanding debt that will reprice.

There is no free lunch, however. The government spending that is powering the economic engine here cannot continue without great risk. The US national debt is already at troubling levels of 122% of GDP. Each year at current spending levels adds a couple or a few percentage points, depending on how quickly the economy grows. Said another way, the deficit is adding to our debt-to-GDP ratio faster than economic growth can lower it. This is not sustainable. Interest costs to service the national debt already exceed Department of Defense outlays. And there are currently no viable pathways toward restoring fiscal balance given the divided and confrontational state of the US electorate. The fiscal situation is the single greatest threat to US economic dominance in the medium and long term.

### Portfolio Discussion

Our top-performing stocks in the quarter were Meta, Heidelberg Materials and Progressive Insurance.

Meta rose 37% during the quarter. This is on top of last year's 194% share price increase. The share price is now over 5X higher from where it bottomed in November 2022 and is now trading near an all-time high. It's worth noting that Meta is one of the largest and

most closely watched companies in the world, so this magnitude of price movement should serve as a good reminder about how inefficient markets can be. The strong share price is a reflection of both its strong current business performance and optimism about the potential future benefits from artificial intelligence on its business. Its Q4 results were excellent, with healthy user engagement and good revenue growth and cost control. The shares are now fairly valued, and we continued to trim our holdings during the quarter.

Heidelberg Materials (HEI) share price rose 23% in dollars. This is after a 63% return in 2023. HEI's valuation has moved from absurdly cheap to now merely cheap. A few factors explain it. Cement is a CO2-intensive business, and in Europe, that means many investors simply won't touch it regardless of how necessary cement is for civilized society and the lack of viable alternatives—unless we are going to live in mud huts. Another drag on the valuation has been the fear that the EU's CO2 tax system will impair HEI's economics. We have never believed this. HEI has been reducing its CO2 intensity for several years and is much more efficient than many of the smaller, sub-scale cement manufacturers in Europe. HEI is also the leader in low-CO2 cement produced either with recycled materials or with emissions reduction technology such as carbon capture. Therefore, CO2 taxes as a percent of its overall costs will be lower than many of its peers. Everyone will have to raise prices to pass on the CO2 taxes, and the marginal price of cement will be set by high-cost peers. This is positive for Heidelberg. We note that Heidelberg and the rest of the industry passed on the skyrocketing energy inflation in Europe while protecting their margins very successfully. We believe the fears over HEI's pricing power and therefore its ability to adapt to the CO2 tax system have waned somewhat, helping the valuation. We also believe that many investors are starting to understand that HEI will benefit meaningfully from low carbon cement. That said, HEI remains undervalued on any meaningful economic measure. It currently trades for about 9X earnings. Similar US-listed businesses trade up to double that level, reflecting their strong margins and longduration cash flows. And private market transactions are similarly much higher.

Progressive Insurance shares rose 30% during the quarter. After a difficult start to 2023, the company quickly adapted and finished the year with impressive growth in premiums and underwriting profits. In Q4 2023, it managed to grow its customer base even as it raised rates and improved its underwriting ratios—a trifecta that isn't often seen in the insurance industry. This performance has continued, which should set the stage for another year of good results in 2024. Perhaps most importantly, it has been able to navigate the environment far better than its peers, many of whom are still reporting sub-par underwriting performance. Progressive has consistently gained market share in the personal auto market over our ownership period and now commands close to 15% of the total market. Its shares are no longer a bargain, but we continue to hold them due to the high quality of this business and the advantaged nature of its low-cost insurance franchise.

Our three worst performing stocks were Philips, Reckitt Benckiser and UBS.

Philips reported mediocre Q4 and full-year results. Investors' largest concern seems to be the three consecutive quarters of order intake declines. We are more sanguine on this issue. Order intake had been elevated for several quarters due to COVID-related supply chain shortages and is now merely normalizing, rather than reflecting any structural or competitive weaknesses. Full-year revenues and profits were in line with expectations overall, but Q4 was flattish. The shares declined 14%, though we note that they had been extremely strong prior to this quarter. Investors hoped for more. We believe management is on track and the business is moving in the right direction. The stock remains undervalued based on the quality of the company's assets and margin potential.

Reckitt Benckiser shares declined 18% during the quarter. Fourth quarter earnings weren't great. The business is still normalizing from pandemic-related distortions to the cold-and-flu season, but the underlying business and outlook remain strong. Its core health and hygiene businesses are poised to grow mid-single digits in 2024.

The more important factor weighing on the shares is the loss of a court case related to Reckitt's Enfamil preterm infant formula. In mid-March, a jury in Illinois awarded \$60 million to a family that sadly lost its preterm baby. The family sued Reckitt's Mead Johnson subsidiary for inadequately warning consumers of the potential risks that come with feeding specialized nutrition products to preterm babies. The specific products in question are for extremely premature babies. The products are administered while babies are in the neonatal intensive care units by medical professionals who fully understand the risks. Hospital policies generally prioritize the use of breast milk when possible but also use supplemental nutrition products when breast milk is not available. Without these supplemental nutrition products, the mortality rate for preterm infants would be higher.

Based on our current understanding of the case, the facts and circumstances do not support the jury's conclusion. Further, the award is excessive and is likely to be significantly reduced. Unfortunately, the US tort system is impossible to handicap. It can be capricious and doesn't always adhere to common sense. A cottage industry of lawyers will aggressively seek out more potential claimants, and the number of lawsuits will almost certainly grow. These things can get worse before they get better and will certainly take years to resolve. It is also worth pointing out that litigation risk in general in the US continues to grow. Private pools of capital now exist to finance large-scale tort litigation. With the Internet and mass communication, it is much easier to find large pools of plaintiffs and potential plaintiffs, and juries are increasingly willing to award previously unheard-of sums. The drag on business and the economy from litigation is meaningful, approaching 2% of GDP.

Reckitt remains a very high-quality franchise with strong consumer brands able to grow and improve profits. It is now trading at a 12X– 13X earnings—a very compelling valuation for such an asset. If it were just the weak quarterly results, we would be adding to our position. Of course, if the sole issue were just weakish results, the shares would not be at this valuation. Depending on the eventual outcome of the litigation, a large part of the share price decline may be entirely justified. We reduced our position size during the quarter due to this litigation uncertainty.

UBS Group also detracted from performance. The shares performed well in local currency but were weaker in US dollars. We see no fundamental issue with business performance. The financial performance is messy, but the integration of Credit Suisse appears to be progressing largely as planned. The client base has stabilized, and UBS is making progress in exiting non-core assets. Over the next three years, it plans to address the cost structure and expects the combined business to exit 2026 at a mid-teens ROE. Importantly, the company is now returning capital to shareholders, with a plan to increase the dividend and restart share buybacks in 2024. UBS shares are up almost 50% over the past year and already reflect many of the benefits that will be realized over the next several years. It's important to recognize that these benefits will come in a bumpy, non-linear fashion. So while we continue to hold the shares, we trimmed our position during the quarter.

During the quarter we added Henry Schein to the portfolio.

Henry Schein is the world's largest distributor of dental supplies, equipment and related services. It is also the second-largest distributor of medical supplies to physicians and alternative care sites. The dental industry is attractive given favorable demographics, rising awareness of the importance of oral health in developing markets and increased adoption of new technology. The customer base remains fragmented, with ~200,000 dentists in the US.

Henry Schein is more than just a distributor of other people's products. It has expanded its core distribution business to become an essential partner for its customers. It's the largest provider of practice-management software, used by 40% of all US dentists. It provides value-added services to dentists for repairs, equipment maintenance, insurance reimbursement and financial services. Perhaps most importantly, it has vertically integrated into manufacturing and is now making some of its own dental products. This includes private label but also extends to branded dental products in key growth areas like implants and endodontics. These products and services have better growth rates and meaningfully higher margins than its core business. As its own products take share in the mix, we should see a nice tailwind to profit growth.

The company's financial performance is currently distorted by the lingering impacts of the pandemic. During the pandemic, there was significant demand for protective equipment like latex gloves and COVID test kits, which boosted its revenues and profits. Those excesses are now normalizing, putting pressure on its reported profit growth and share price. In addition, it was the target of a cyberattack last year, which has further distorted the company's financial performance. Beneath the surface, we see a healthy business with good underlying growth and a favorable outlook. We are happy to look through this temporary period of slower growth and estimate we are paying 12X-13X earnings for a high-quality franchise with high single-digit underlying profit growth.

We exited our investments in Dentsply Sirona and Swatch Group during the quarter.

Dentsply Sirona is one of the world's largest dental products and equipment manufacturers. It is both a key customer of and competitor to Henry Schein. Both companies benefit from an attractive industry, but we believe Henry Schein is in a better strategic position due to its unique business model combining scaled distribution, specialty manufacturing and software. While Dentsply's business also has many positive attributes, the company has been through four CEOs in eight years, and it is still moving its way through a relatively complicated turnaround effort. By swapping our investment from Dentsply into Henry Schein, we believe we have improved the quality of the portfolio while still maintaining our investment upside.

We also exited our tiny investment in Swatch Group. This is a wellcapitalized company with valuable luxury brands-including watchmaker Omega and high-end jewelry brand Harry Winston. The shares trade at 6X-7X EBIT and 11X earnings, which is an exceptionally cheap valuation relative to the high guality of the brands. The primary issue is the management and corporate governance structure. The business is controlled by a CEO who is hostile to the investment community and has severely limited the company's disclosures and communications. In the second half of 2023, the business fundamentals started to deteriorate. We knew what we were getting into with this company's management and governance. At that time, we felt that the valuation was just too depressed given what was likely to be a strong post-COVID recovery. Valuation just wasn't enough in this case.

### Conclusion

Markets have moved up quickly to start the year. Valuations in the better performing parts of the market such as technology and many things AI related appear stretched to us. There is no need for interest rates to come down from current levels. We believe it would stoke the inflation fire again given the irresponsible levels of deficit spending. A market driven by earnings growth is a far healthier market and economy than one driven by interest rate cuts. From what we see, earnings are generally strong. We do worry about the lagging economic performance between the United States and just about every other country. The world economy cannot stand on solid ground when more than half of it is slowly melting.

We appreciate your support and will continue to work hard to manage risk and earn attractive returns on your capital alongside our own.

### **ARTISAN CANVAS**

Timely insights and updates from our investment teams and firm leadership Visit www.artisancanvas.com

### For more information: Visit www.artisanpartners.com

International investments involve special risks, including currency fluctuation, lower liquidity, different accounting methods and economic and political systems, and higher transaction costs. These risks typically are greater in emerging and less developed markets, including frontier markets. Securities of small- and medium-sized companies tend to have a shorter history of operations, be more volatile and less liquid and may have underperformed securities of large companies during some periods. Value securities may underperform other asset types during a given period. The costs associated with this fund will impact your return over time. Investments will rise and fall with market fluctuations and investor capital is at risk. Investors investing in funds denominated in non-local currency should be aware of the risk of currency exchange fluctuations that may cause a loss of principal. These risks, among others, are further described in the Fund Documents.

This is a marketing communication. Further fund details, including risks, fees and expenses, and other information, such as ESG practices, are set out in the current Prospectus, Supplements, Key Information Documents (KIDs) and other documentation (collectively, the Fund Documents), which can be obtained by calling +44 (0) 207 766 7130 or visiting www.apgfunds-docs.com. Please refer to the Fund Documents and consider all of a fund's characteristics before making any final investment decisions.

This summary represents the views of the portfolio managers as of 31 Mar 2024. Those views may change, and the Fund disclaims any obligation to advise investors of such changes. Portfolio holdings are displayed in the context of marketing the fund shares and not the marketing of underlying portfolio securities. For the purpose of determining the Fund's holdings, securities of the same issuer are aggregated to determine the weight in the Fund. These holdings comprise the following percentages of the Fund's total net assets (including all classes of shares) as of 31 Mar 2024: Heidelberg Materials AG 4.9%, Meta Platforms Inc 4.0%, The Progressive Corp 3.6%, UBS Group AG 2.6%, Koninklijke Philips NV 2.4%, Henry Schein Inc 1.6%, Reckitt Benckiser Group PLC 1.5%. Securities named in the Commentary, but not listed here are not held in the Fund as of the date of this report. Portfolio holdings are subject to change without notice and are not intended as recommendations of individual securities.

Attribution is used to evaluate the investment management decisions which affected the portfolio's performance when compared to a benchmark index. Attribution is not exact, but should be considered an approximation of the relative contribution of each of the factors considered.

S&P 500<sup>®</sup> Index measures the performance of 500 US companies focused on the large-cap sector of the market. MSCI All Country World Index measures the performance of developed markets, excluding the US and Canada. MSCI World Index measures the performance of developed markets. Nikkei Index is a price-weighted index composed of Japan's top 225 blue-chip companies traded on the Tokyo Stock Exchange.

The Global Industry Classification Standard (GICS®) is the exclusive intellectual property of MSCI Inc. (MSCI) and Standard & Poor's Financial Services, LLC (S&P). Neither MSCI, S&P, their affiliates, nor any of their third party providers ("GICS Parties") makes any representations or warranties, express or implied, with respect to GICS or the results to be obtained by the use thereof, and expressly disclaim all warranties, including warranties of accuracy, completeness, merchantability and fitness for a particular purpose. The GICS Parties shall not have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of such damages.

MSCI makes no express or implied warranties or representations and shall have no liability whatsoever with respect to any MSCI data contained herein. The MSCI data may not be further redistributed or used to create indices or financial products. This report is not approved or produced by MSCI. The index(es) are unmanaged; include net reinvested dividends; do not reflect fees or expenses; and are not available for direct investment. The S&P 500<sup>®</sup> ("Index") is a product of S&P Duy Jones Indices LLC ("S&P DJI") and/or its affiliates and has been licensed for use. Copyright © 2024 S&P Dow Jones Indices LLC, a division of S&P Global, Inc. All rights reserved. Redistribution or reproduction in whole or in part are prohibited without written permission of S&P Dow Jones Indices LLC. ("Dow Jones"). None of S&P DJI, Dow Jones, their affiliates or third party licensors makes any representation or warranty, express or implied, as to the ability of any index to accurately represent the asset class or market sector that it purports to represent and none shall have any liability for any errors, omissions, or interruptions of any index or the data included therein.

Price-to-Earnings (P/E) is a valuation ratio of a company's current share price compared to its per-share earnings. Earnings Before Interest & Tax (EBIT) is an indicator of a company's profitability, calculated as revenue minus expenses, excluding tax and interest. Return on Equity (ROE) is a profitability ratio that measures the amount of net income returned as a percentage of shareholders' equity.

This material is provided for informational purposes without regard to your particular investment needs and shall not be construed as investment or tax advice on which you may rely for your investment decisions. Investors should consult their financial and tax adviser before making investments in order to determine the appropriateness of any investment product discussed herein. Artisan Partners is not registered, authorised or eligible for an exemption from registration in all jurisdictions. Therefore, services described herein may not be available in certain jurisdictions. This material does not constitute an offer or solicitation where such actions are not authorised or lawful, and in some cases may only be provided at the initiative of the prospect. Further limitations on the availability of products or services described herein may be imposed.

Artisan Partners Limited Partnership (APLP) is an investment adviser registered with the U.S. Securities and Exchange Commission (SEC). Artisan Partners UK LLP (APUK) is authorized and regulated by the Financial Conduct Authority and is a registered investment adviser with the SEC. APEL Financial Distribution Services Limited (AP Europe) is regulated by the Central Bank of Ireland. APLP, APUK and AP Europe are collectively, with their parent company and affiliates, referred to as Artisan Partners herein.

APLP is the investment manager of Artisan Partners Global Funds Plc (APGF), an umbrella type open-ended investment company with variable capital having segregated liability between its sub-funds, incorporated with limited liability and authorized in Ireland by the Central Bank of Ireland as an Undertaking for Collective Investments in Transferable Securities (UCITS) under registration number 485593. APUK and AP Europe are the distributors for APGF. This material is not intended for use within the US or with any US persons. The Fund shares described herein are not and will not be, registered under the US Securities Act of 1933 and may not be sold to or for the benefit of any US person.

This material is only intended for investors which meet qualifications as institutional investors as defined in the applicable jurisdiction where this material is received, which includes only *Professional Clients* or *Eligible Counterparties* as defined by the Markets in Financial Instruments Directive (MiFID) where this material is issued by APUK or AP Europe. This material is not for use by retail investors and may not be reproduced or distributed without Artisan Partners' permission.

In the United Kingdom, issued by Artisan Partners UK LLP, 25 St. James's St., Floor 10, London SW1A 1HA, registered in England and Wales (LLP No. 0C351201). Registered office: Phoenix House, Floor 4, Station Hill, Reading Berkshire RG1 1NB. In Ireland, issued by Artisan Partners Europe, Fitzwilliam Hall, Fitzwilliam PI, Ste. 202, Dublin 2, D02 T292. Registered office: 70 Sir John Rogerson's Quay, Dublin 2, D02 R296 (Company No. 637966).

Australia: This material is directed at wholesale clients only and is not intended for, or to be relied upon by, private individuals or retail investors. Artisan Partners Australia Pty Ltd is a representative of APLP (ARBN 153 777 292) and APUK (ARBN 603 522 649). APLP and APUK are respectively regulated under US and UK laws which differ from Australian laws and are exempt from the requirement to hold an Australian financial services license under the Australian Corporations Act 2001 in respect to financial services provided in Australia. No cooling off regime applies to an acquisition of the interests in any funds managed by Artisan Partners described herein. Australia: The shares described herein and in each Fund's prospectus and the related documents have not and may not be offered or sold, directly or indirectly, to the public in the Republic of Austria. Each Fund's prospectus has not been and will not be submitted to the Oesterreichische Kontrollbank Aktienasellschaft and has not been prepared in accordance with the Austrian Capital Markets Act (Kapitalmarktaesetz) or the Austrian Investment Funds Act (Investmentfondsgesetz). Each is therefore not a prospectus pursuant to the Capital Markets Act or the Investment Funds Act. Brazil: Shares in the Fund may not be offered or sold to the public in Brazil. Accordingly, the Fund shares have not been nor will be registered with the Brazilian Securities Commission - CVM nor have they been submitted to the foregoing agency for approval. Documents relating to the Fund shares, as well as the information contained therein, may not be supplied to the public in Brazil, as the offering is not a public offering of securities in Brazil, nor used in connection with any offer for subscription or sale of securities to the public in Brazil. Canada: This material is distributed in Canada by APLP and/or Artisan Partners Distributors LLC, which conducts activities in Canada under exemptions from the dealer, portfolio manager and investment fund manager registration requirements of applicable Canadian securities laws. This material does not constitute an offer of services in circumstances where such exemptions are not available. APLP advisory services are available only to investors that qualify as "permitted clients" under applicable Canadian securities laws. Investment in the securities of Funds managed and distributed by APLP and/or Artisan Partners Distributors LLC may only be made by eligible private placement purchasers that qualify as "accredited investors" and "permitted clients" under applicable Canadian securities laws and pursuant to Canadian private placement offering documents, which are available upon request. This material is not, and under no circumstances should it be construed as, a private placement offering document, advertisement or public offering of securities in Canada. No securities commission or similar authority in Canada has reviewed this material or in any way passed upon the merits of any securities referenced herein and any representation to the contrary is an offence. Bailiwick of Guernsey: This material is only being, and may only be, made available in or from within the Bailiwick of Guernsey to persons licensed under the Protection of Investors Law, 1987, the Banking Supervision Law, 1994, the Regulation of Fiduciaries, Administration Businesses and Company Directors, etc. Law, 2000 or the Insurance Managers and Insurance Intermediaries Law, 2002. Chile: Esta oferta privada se acoge a las disposiciones de la norma de carácter general nº 336 de la superintendencia de valores y seguros, hoy comisión para el mercado financiero. Esta oferta versa sobre valores no inscritos en el registro de valores o en el registro de valores extranjeros que lleva la comisión para el mercado financiero, por lo que tales valores no están sujetos a la fiscalización de ésta; por tratar de valores no inscritos no existe la obligación por parte del emisor de entregar en Chile información pública respecto de los valores sobre los que versa esta oferta; estos valores no podrán ser objeto de oferta pública mientras no sean inscritos en el registro de valores correspondiente. Hong Kong: This material has not been registered by the Registrar of Companies in Hong Kong. The Fund is a collective investment scheme as defined in the Securities and Futures Ordinance of Hong Kong (the "Ordinance") but has not been authorised by the Securities and Futures Commission pursuant to the Ordinance and any rules made under the Ordinance or in circumstances which are permitted under the Companies (Winding Up and Miscellaneous Provisions) Ordinance of Hong Kong and the Ordinance. In addition, this material may not be issued or possessed for the purposes of issue, whether in Hong Kong or elsewhere, and the shares may not be disposed of to any person unless such person is outside Hong Kong, such person is a "professional investor" as defined in the Ordinance and any rules made under the Ordinance or as otherwise may be permitted by the Ordinance. Israel: This material has not been approved by the Israel Securities Authority and will only be distributed to Israeli residents in a manner that will not constitute "an offer to the public" under sections 15 and 15a of the Israel Securities Law, 5728-1968 (the Securities Law) or section 25 of the Joint Investment Trusts Law, 5754-1994, as applicable. The Fund is being offered to a limited number of investors and/or those categories of investors listed in the First Addendum to the Securities Law (Sophisticated Investors). This material may not be reproduced or used for any other purpose, nor be furnished to any other person other than those to whom copies have been sent. Any offeree who purchases shares of a Fund is purchasing such Fund for its own benefit and account and not with the aim or intention of distributing or offering such Fund to other parties (other than, in the case of an offeree which is a Sophisticated Investor by virtue of it being a banking corporation, portfolio manager or member of the Tel-Aviv Stock Exchange, as defined in the Addendum, where such offeree is purchasing Fund for another party which is a Sophisticated Investor). Nothing in this material should be considered investment advice or investment marketing as defined in the Regulation of Investment Counselling, Investment Marketing and Portfolio Management Law, 5755-1995 (the Investment Advice Law). Investors are encouraged to seek competent investment counselling from a locally licensed investment counsel prior to making the investment. Artisan Partners does not hold a licence under the Investment Advice Law, nor does it carry the insurance as required of a licensee thereunder. Jersey: This material relates to a private placement and does not constitute an offer to the public in Jersey to subscribe for the Fund offered hereby. No regulatory approval has been sought to the offer in Jersey and it must be distinctly understood that the Jersey Financial Services Commission does not accept any responsibility for the financial soundness of or any representations made in connection with the Fund. The offer of shares is personal to the person to whom this material is being delivered by or on behalf of the Fund, and a subscription for the shares will only be accepted from such person. The material may not be reproduced or used for any other purpose. Mexico: The Fund has not been and will not be registered with the National Registry of Securities, maintained by the Mexican National Banking and Securities Commission and, as a result, may not be offered or sold publicly in Mexico. The Fund and any underwriter or purchaser may offer and sell the Fund in Mexico on a private placement basis to Institutional and Accredited Investors pursuant to Article 8 of the Mexican Securities Market Law. New Zealand: This material is not a product disclosure statement for the purposes of the Financial Markets Conduct Act 2013 (the FMCA) and does not contain all the information typically included in such offering documentation. This offer of shares in the Fund does not constitute "regulated offer" for the purposes of the FMCA and, accordingly, there is neither a product disclosure statement nor a register entry available in respect of the offer. Shares in the Fund may only be offered in New Zealand in accordance with the FMCA and the Financial Markets Conduct Regulations 2014. Peru: The Fund has not been registered before the Superintendencia del Mercado de Valores (SMV) and is therefore being placed by means of a private offer. SMV has not reviewed the information provided to the investor. This material is only for the exclusive use of institutional investors in Peru and is not for public distribution. Qatar: The Funds are only being offered to a limited number of investors who are willing and able to conduct an independent investigation of the risks involved in an investment in such Funds. This material does not constitute an offer to the public and is for the use only of the named addressee and should not be given or shown to any other person (other than employees, agents or consultants in connection with the addressee's consideration thereof). The Funds have not been and will not be registered with the Qatar Central Bank or under any laws of the State of Qatar. No transaction will be concluded in your jurisdiction and any inquiries regarding the Funds should be made to Artisan Partners. Singapore: APGF is currently entered into the Monetary Authority of Singapore's (MAS) List of Restricted Schemes. This document has not been registered as a prospectus with the MAS. Accordingly, this and any other material in connection with the offer or sale, or invitation for subscription or purchase, of shares of the sub-funds of APGF may not be circulated or distributed, nor may shares be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly, or indirectly, to persons in Singapore other than (i) to an institutional investor under Section 304 of the Securities and Futures Act, Chapter 289 of Singapore (SFA) or (ii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA. Switzerland: The Prospectus, the Key Investor Information Document(s), the Articles of Association of the Company and the latest annual and semi-annual reports can be obtained free of charge from the representative in Switzerland, State Street Bank GmbH, Munich, Zurich Branch, Beethovenstrasse 19, CH-8002 Zurich, Switzerland. The place of performance and jurisdiction is at the registered office of State Street Bank GmbH. State Street Bank GmbH is also the paying agent of the Company.

© 2024 Artisan Partners. All rights reserved.



RTISAN