

# The India Opportunity



OPPORTUNITY OPTIMUM | GLOBAL OPPORTUNITY TEAM | January 2024

We believe India's growing population and young demographic, and its efforts to build digital, regulatory, financial and physical infrastructure over the last decade, will pave the way for **growth acceleration over the next decade**. This will have significant implications for India's share of the global economy and equity markets.

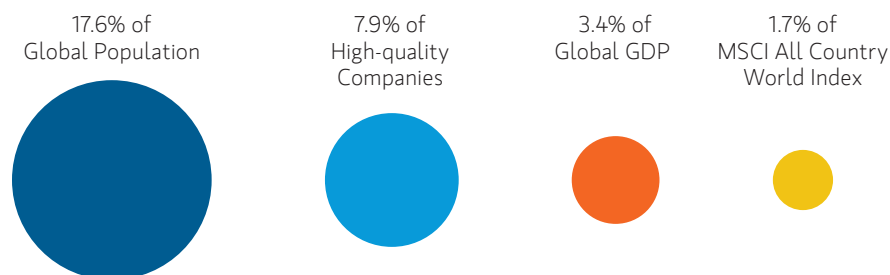
India is home to a disproportionate number of high-quality companies<sup>1</sup> yet remains underrepresented by equity indices. Therefore, **we see a significant opportunity for bottom-up stock picking, by owning businesses with strong balance sheets, robust growth and improving profitability**.

## Key highlights

- India is underrepresented by equity indices
- Infrastructure for growth acceleration was built over the last decade
- Broadening opportunity set for bottom-up stock picking in India

### DISPLAY 1

#### India is under-represented



Source: Morgan Stanley Investment Management, Factset, IMF, MSCI, as of November 30, 2023. Note: 7.9% of high quality companies is calculated based on the following. Out of 7,891 global companies with above 1 billion market cap, there are 1,774 companies with above 15% return on invested capital (ROIC) and above 15% 3-year revenue growth compound annual growth rate (CAGR). Of those 1,774 high-quality companies, 140 are Indian companies.

<sup>1</sup> India is also home to a disproportionate number of high-quality companies (>15% 3 year revenue growth CAGR and >15% ROIC).

### AUTHORS



**KRISTIAN HEUGH**  
Head of Global Opportunity



**ANIL AGARWAL**  
Director of Research



**MARC FOX**  
Chief Operating Officer



**EMILY TSUI**  
Executive Director

Opportunity  
Optimum  
discusses how  
and where we  
are finding the  
best investments  
around the world.

## India offers a broad opportunity set for long-term investors yet it is under represented by equity indices.

As an economy, India is likely to grow much faster than global growth, and despite quadrupling over the last two decades, India's weight in the global equity index is just 1.7%, trailing its current 3.4% share of global GDP. India is also home to a disproportionate number of high-quality companies (>15% 3 year revenue growth CAGR and >15% ROIC).

We believe India's growing population and young demographic, and its efforts to build digital, regulatory, financial and physical infrastructure over the last decade, will pave the way for growth acceleration over the next decade. This should drive India's nominal GDP growth, in U.S. Dollar (USD) terms at high single digits, taking its GDP from USD 3.5 trillion in 2022 to USD 8.1 trillion in 10 years according to Morgan Stanley Research.

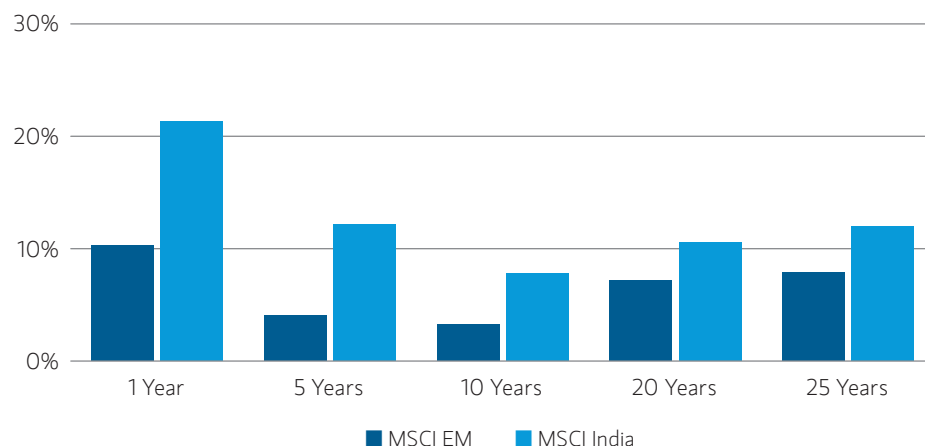
We have made multiple investments in India since the inception of our first strategy in 2006, across financials, consumer and industrials. As a team, we look for leading businesses with large addressable markets, opportunities to gain share and strong management teams we can co-invest with for the long term. We believe India offers an attractive hunting ground to find ideas that meet our criteria for long-term value creation. We expect the evolution of the Indian economy over the next decade will support our bottom-up ideas rather than act as headwinds, as we have seen in other emerging markets. There will be volatility in performance, but we believe that well run, high-quality businesses in India, purchased at a discount to intrinsic value, can outperform over the long run.

### DISPLAY 2

#### India stands out on long term total return

Total Return CAGR, USD

Past performance is no guarantee of future results



Source: Morgan Stanley Investment Management, FactSet. As of date: 31 December 2023

In this note we discuss how we see the Indian economy evolving over the next decade, the building blocks that have been put in place to support this growth and the broad areas where we are finding opportunities for investment.

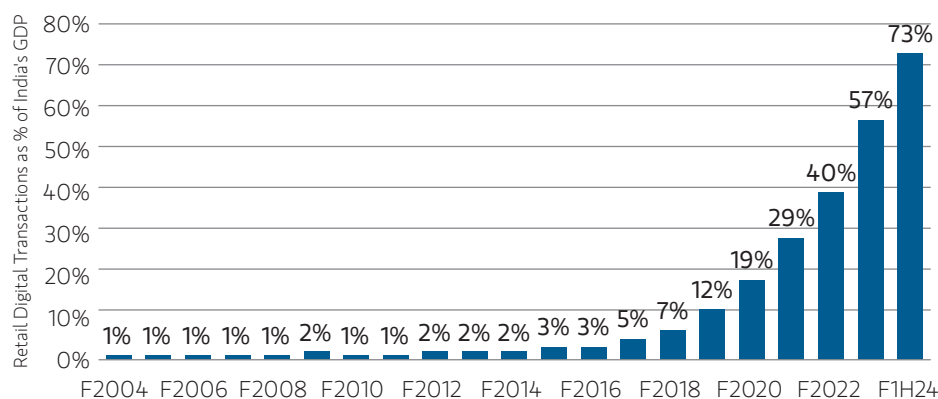
### India spent the last decade creating infrastructure

A decade back, India was struggling. Post-Global Financial Crisis, India grew quickly, but this was followed by a sharp slowdown. Bad loans in the banking system increased as corporates struggled to repay loans taken to build projects that proved to be unviable. This created capital issues in the banking system that lasted for almost a decade and led to a slowdown in investment. Cyclically, growth was also impacted by some of the structural reforms put in place by the government, including a uniform value-added tax, real estate laws regulating builders and demonetization.

India's young population is a tailwind for growth, but this must be enabled by proper policies, and, *in our view, the reforms undertaken over the last few*

*years have set up the infrastructure needed to sustain strong growth over the next decade or more.* We categorize these changes in three broad infrastructure groups:

**DIGITAL INFRASTRUCTURE:** India has taken the path of setting up digital infrastructure as a public good, which can be used by private enterprises to deliver services to citizens more efficiently. This has enabled various services, from financial system access to government subsidies to COVID vaccines, being delivered to even the weakest sections of the country with maximum efficacy. The foundation of this infrastructure was a universal Biometric ID system, Aadhar (Hindi for "Foundation"), which was launched in 2009. Today, 1.3 billion Indians have an Aadhar ID. This is used for multiple services. For instance, in March 2023, Aadhar was used to authenticate 2.2 billion transactions, of which ~300 million were Know Your Customer (KYC) transactions. This lowered the cost of opening a bank account and enabled 500 million new accounts to

**DISPLAY 3****Retail digital transactions have gone up Since UPI was launched in 2016, helping increase formalization of the economy**

Source: National Payments Corporation of India (NPCI); Reserve Bank of India (RBI); Morgan Stanley Research. Forecasts are based on current market conditions, subject to change, and may not necessarily come to pass.

be opened in the last decade, easier and more targeted subsidies from government among multiple benefits.

A big driver for formalization in the economy has been the consumer real-time payment system UPI (Unified Payments Interface), which launched in 2016. UPI has made mobile payments seamless and enabled the transition from cash to digital payments.

Increased willingness of consumers to pay through mobile has also extended to credit cards, where payments have grown at a 26% CAGR since 2016.

**FINANCIAL INFRASTRUCTURE:** A large portion of the population had no bank accounts until a decade ago. It was costly to open a bank account. There was no incentive for banks to open accounts for economically weaker parts of the population, leading to the exclusion of a large part of the population from the financial system. In 2014, the government announced banking for all to jump-start financial inclusion. Since then, ~500 million new bank accounts have opened. This was enabled by Aadhar, as the cost of KYC dropped, and

now a vast majority of the population has access to banking. This, coupled with the launch of UPI, has driven rapid digital adoption for financial services.

**POLICY AND REGULATORY**

**INFRASTRUCTURE:** Multiple steps have been taken over the last decade to make policies more conducive to investments. A key move was the implementation of the Unified Goods and Services Tax (GST) across India. The marginal corporate tax rate was cut to 25%, from 35%, in 2019. The monetary policy target was moved to inflation targeting with a 4% target (+/- 2% band) in 2016—since then rates/currency have become less sensitive to moves by the U.S. Federal Reserve. The implementation of insolvency to the bankruptcy code, coupled with proper recapitalization of state-owned banks, has enabled the system to recognize bad loans.

India established a new law governing real estate to ensure property developers met their responsibilities in their contracts with consumers. This cleaned up the developer segment, though property was a drag on the

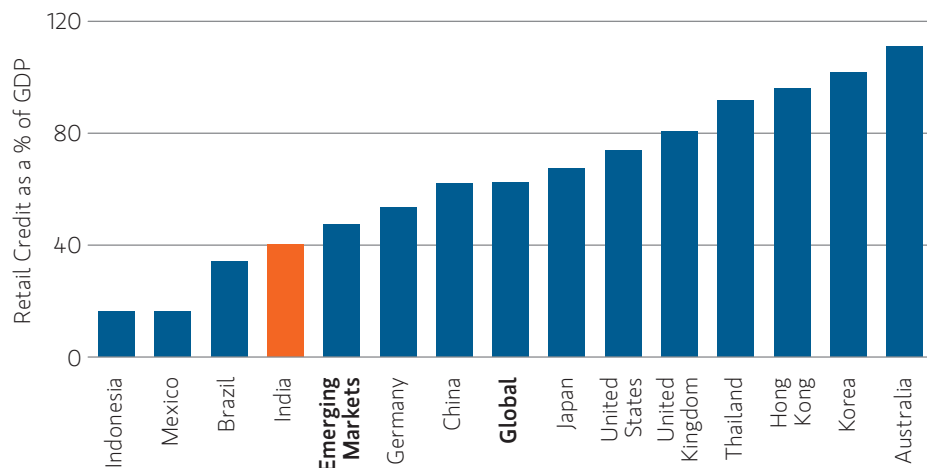
economy for a few years. But now, with inventory levels at historic lows and the remaining developers having strong balance sheets, real estate is likely to contribute to an acceleration in economic growth.

As an emerging market, there is a risk of volatility in policy moves, but these changes have made it easier for businesses to plan for the longer term and invest.

**Growth should accelerate compared to the last 10 years, resulting in a broader set of investment opportunities**

India's Prime Minister, Narendra Modi, says the next decade could be "India's moment." This could be true as the measures taken by the country over the last decade start contributing to more efficient production of goods and services. Morgan Stanley research expects GDP per capita to increase from USD 2,400 in 2022 to above USD 3,600 in 10 years. Investors have compared India to China at similar stages of growth trajectory, but the underlying markets, economic infrastructures and growth drivers for the two countries are different. [We believe the relevant economy to compare India with could be the United States in the 1980s—given the regulatory backdrop, consumption as a key economic driver and large private ownership of businesses.](#)

The size of India's economy is similar to where U.S. was at the beginning of 1980. In the 80s, U.S. nominal GDP expanded at ~7.6% CAGR and personal consumption expenditure (PCE) grew at ~8.1%, with some of the sub-segments even growing by more than 10% CAGR. This drove the S&P 500 to grow 12.6% CAGR between 1980 and 1990. India is now at a similar stage, with similar GDP growth potential over the next decade.

**DISPLAY 4****Retail credit penetration for India can increase over next decade**

Source: BIS Statistics Explorer, Morgan Stanley Research. As of Date: June 30, 2023.

Another factor that enhances Indian equities attractiveness over the long term is increased savings from households in equities. Historically, the Indian macroeconomy and its markets were both dependent on global liquidity, with the largest incremental investor in the markets being foreign investors. However, domestic mutual funds have become larger and provide a more stable and sustainable investor base. **Domestic equity assets under management (AUM) in India is around USD 350 billion, up 10x since 2014**—their average ownership in top 75 companies in India has increased from 3.5% in 2014 to over 10% now, as per Morgan Stanley Research. **There may also be stickiness in this domestic flow into equities, with Systematic Investment Plans (SIP)**—plans for individual investors to save a small amount in equity funds every month—now annualizing at close to USD 25 billion a year.

### **Broadening opportunity set in India**

A large proportion of Indian companies are managed with a focus on long-term

shareholder returns. This is helped by the fact that founders, called “promoters” in India, own fairly large stakes in listed companies. Promoter ownership in the top 70 Indian companies was 45% in September 2023, as per Morgan Stanley Research. A large number of businesses are focused on efficient use of capital, given the high cost of capital in the country, and this, coupled with the strong economic backdrop, has driven good market returns.

### **FINANCIAL BUSINESSES OFFER AN ATTRACTIVE WAY TO INVEST IN THE STRONG ECONOMIC GROWTH**

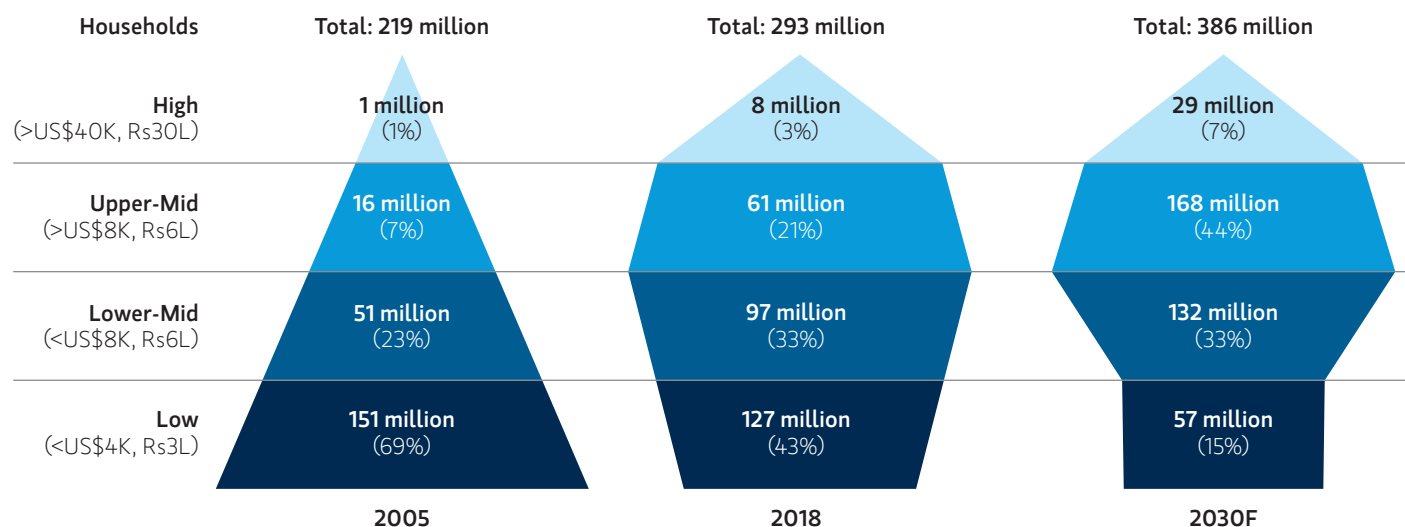
Retail credit penetration in India has increased over last few years but remains low at 40% of GDP, compared to the global average. This will likely increase over the next decade as consumption behavior changes and digitization helps with efficient credit delivery. There will be cycles, but over the next decade, we expect retail lending and Small and Medium Enterprise (SME) in all forms to grow at a CAGR in the mid-teens, driving strong revenue growth for the system.

For more than 20 years a structural theme for Indian banks has been the transition of market share away from state-owned banks to private lenders. Given the importance of technology in terms of offering new services, we believe it will be difficult for state banks to stem the continued market share loss to private banks. This should help better-run banks grow revenues in the mid to high teens for multiple years. As banks gain scale, operating leverage will be meaningful. **The combination of a large market, significant market share opportunity, operating leverage, attractive valuations and governance is tough to find globally.**

### **INCREASING ABILITY TO SPEND WILL HELP DRIVE PREMIUMIZATION ACROSS SECTORS**

Strong growth, a young population and urbanization should continue to drive consumption growth in India. The population will also get richer, with the proportion of households earning over USD 8,000 a year likely increasing from ~25% in 2021 to over 50% in 2031. Historically, a large part of the consumer basket in India has been concentrated in daily necessities, but **rising disposable income will change consumption behavior to luxury, travel, out-of-home dining, health care, beauty and entertainment, among other things.** We believe there are well run businesses in these segments, which will compound in the long run:

- 1. LUXURY:** There are growing signs of Indian consumers spending on luxury products. Apple opened its first retail stores in India in 2023 and its revenues in the country were estimated at USD 6 bn in FY23, and Morgan Stanley research expects this to increase to USD 40 bn in a decade. This is permeating other segments, where consumers

**DISPLAY 5****India's Household Income Distribution shows middle class will dominate the economy by 2030e**

e=estimated

Source: World Economic Forum, Bain, Macquarie Research, Future of Consumption in Fast-Growth Consumer Markets: INDIA, January 2019. Forecasts/estimates are based on current market conditions and subject to change, and may not necessarily come to pass.

are premiumizing their purchases. A key beneficiary of this trend is likely to be the jewelry sector, given the importance of gold for Indian households, with India being the second-largest importer of gold. The sector is dominated by unorganized players, but market share has been shifting to organized players, a trend accelerated by the government's digitization and taxation moves. As Indians get richer, they're likely to consume diamond jewelry, which would expand margins for retailers.

**2. TRAVEL:** More Indians are travelling within and outside the country. The investment in infrastructure, from ~70 cities with airports a decade back to likely more than 200 by 2025, makes it easier for people to travel within the country. This will give rise to multiple businesses, from online travel agencies to hotels. For instance, current hotel infrastructure is limited in India. In 2022, India had 160,000 branded rooms, compared

to 4.7 million in China, implying significant room for growth. The large hotel chains are focused on profitability, adopting asset-light strategies, driving up profitability and becoming less exposed to cyclical downturns.

**3. FOOD DELIVERY:** Food consumption accounted for a quarter of India's GDP in 2019, dominated by home-cooked food, at 90% of consumption. Restaurant and food delivery is underpenetrated, with only 10% market share of the total food market. We expect the industry to grow steadily, driven by socioeconomic factors including rising urbanization, nuclearization, more working women and higher disposable incomes, and digitalization will further accelerate the adoption.

**4. HEALTH CARE:** India's health care industry has grown at 12-14% CAGR over the past five years, but it is still underdeveloped compared

to the global market. Health care expenditure in 2022 was around 2% of GDP vs. the U.S. at 18%, China at 6%, the United Kingdom at 11% and Brazil at 13%. Aside from traditional hospital and pharmacy services, digital health can be an interesting area given the high smartphone penetration rate, 75% of the population living outside urban centers and digital health care adoption being boosted by the pandemic.

**Indian markets have delivered strong returns over the last two decades and many investors, even in the emerging markets, have missed out. We believe the backdrop of economic growth acceleration and more prosperous households, will likely provide well-run businesses the opportunity to gain share and improve efficiencies. This will provide numerous attractive Indian businesses to invest in across our team's strategies. May all your investing be filled with opportunity.**

## Risk Considerations

There is no assurance that a portfolio will achieve its investment objective. Portfolios are subject to market risk, which is the possibility that the market value of securities owned by the portfolio will decline. Market values can change daily due to economic and other events (e.g. natural disasters, health crises, terrorism, conflicts and social unrest) that affect markets, countries, companies or governments. It is difficult to predict the timing, duration, and potential adverse effects (e.g. portfolio liquidity) of events. Accordingly, you can lose money investing in this strategy. Please be aware that this strategy may be subject to certain additional risks. Changes in the worldwide economy, consumer spending, competition, demographics and consumer preferences, government regulation and economic conditions may adversely affect global franchise companies and may negatively impact the strategy to a greater extent than if the strategy's assets were invested in a wider variety of companies. In general, **equity securities'** values also fluctuate in response to activities specific to a company. Investments in **foreign markets** entail special risks such as currency, political, economic, and market risks. **Asia market** entails liquidity risk due to the small markets and low trading volume in many countries. In addition, companies in the region tend to be volatile and there is a significant possibility of loss. Furthermore, because the strategy concentrates in a single region of the world, performance may be more volatile than a global strategy. **Stocks of small- and mid-capitalisation companies** carry special risks, such as limited product lines, markets and financial resources, and greater market volatility than securities of larger, more established companies. The risks of investing in **emerging market countries** are greater than risks associated with investments in foreign developed markets. **Illiquid securities** may be more difficult to sell and value than publicly traded securities (liquidity risk). Non-diversified portfolios often invest in a more limited number of issuers. As such, changes in the financial condition or market value of a single issuer may cause greater volatility. In pursuing the Portfolio's investment objective, the Adviser has considerable leeway in deciding which investments to buy, hold or sell on a day-to-day basis, and which trading strategies to use. The success or failure of such decisions will affect performance.

### DEFINITIONS

**Compound Annual Growth Rate (CAGR)** is the year-over-year growth rate of an investment over a specified period.

**Gross Domestic Product (GDP)** is the monetary value of all the finished goods and services produced within a country's borders in a specific time period. It includes all private and public consumption, government outlays, investments and net exports.

**Personal Consumption Expenditures (PCE)** is a measure of price changes in consumer goods and services. Personal consumption expenditures consist of the actual and imputed expenditures of households; the measure includes data pertaining to durables, non-durables and services. It is essentially a measure of goods and services targeted toward individuals and consumed by individuals.

**Return On Invested Capital (ROIC)** represents the rate of return a company makes on the cash it invests in its business.

### INDEX DEFINITIONS

The **S&P 100 Index**, a sub-set of the S&P 500, measures the performance of large cap companies in the United States. The Index comprises 100 major, blue chip companies across multiple industry groups. Individual stock options are listed for each index constituent.

The **MSCI All Country World Index (ACWI)** is a free float-adjusted market capitalization weighted index designed to measure the equity market performance of developed and emerging markets. The term "free float" represents the portion of shares outstanding that are deemed to be available for purchase in the public equity markets by investors. The performance of the Index is listed in U.S. dollars and assumes reinvestment of net dividends.

### IMPORTANT INFORMATION

There is no guarantee that any investment strategy will work under all market conditions, and each investor should evaluate their ability to invest for the long-term, especially during periods of downturn in the market.

**A separately managed account may not be appropriate for all investors. Separate accounts managed according to the Strategy include a number of securities and will not necessarily track the performance of any index. Please consider the investment objectives, risks and fees of the Strategy carefully before investing. A minimum asset level is required.**

**For important information about the investment managers, please refer to Form ADV Part 2.**

The views and opinions and/or analysis expressed are those of the author or the investment team as of the date of preparation of this material and are subject to change at any time without notice due to market or economic conditions and may not necessarily come to pass. Furthermore, the views will not be updated or otherwise revised to reflect information that subsequently becomes available or circumstances existing, or changes occurring, after the

date of publication. The views expressed do not reflect the opinions of all investment personnel at Morgan Stanley Investment Management (MSIM) and its subsidiaries and affiliates (collectively "the Firm"), and may not be reflected in all the strategies and products that the Firm offers.

Forecasts and/or estimates provided herein are subject to change and may not actually come to pass. Information regarding expected market returns and market outlooks is based on the research, analysis and opinions of the authors or the investment team. These conclusions are speculative in nature, may not come to pass and are not intended to predict the future performance of any specific strategy or product the Firm offers. Future results may differ significantly depending on factors such as changes in securities or financial markets or general economic conditions.

This material has been prepared on the basis of publicly available information, internally developed data and other third-party sources believed to be reliable. However, no assurances are provided regarding the reliability of such information and the Firm has not sought to independently verify information taken from public and third-party sources.

This material is a general communication, which is not impartial and all information provided has been prepared solely for informational and educational purposes and does not constitute an offer or a recommendation to buy or sell any particular security or to adopt any specific investment strategy. The information herein has not been based on a consideration of any individual investor circumstances and is not investment advice, nor should it be construed in any way as tax, accounting, legal or regulatory advice. To that end, investors should seek independent legal and financial advice, including advice as to tax consequences, before making any investment decision.

Charts and graphs provided herein are for illustrative purposes only. **Past performance is no guarantee of future results.**

The indexes are unmanaged and do not include any expenses, fees or sales charges. It is not possible to invest directly in an index. Any index referred to herein is the intellectual property (including registered trademarks) of the applicable licensor. Any product based on an index is in no way sponsored, endorsed, sold or promoted by the applicable licensor and it shall not have any liability with respect thereto.

This material is not a product of Morgan Stanley's Research Department and should not be regarded as a research material or a recommendation.

The Firm has not authorised financial intermediaries to use and to distribute this material, unless such use and distribution is made in accordance with applicable law and regulation. Additionally, financial intermediaries are required to satisfy themselves that the information in this material is appropriate for any person to whom they provide this material in view of that person's circumstances and purpose. The Firm shall not be liable for, and accepts no liability for, the use or misuse of this material by any such financial intermediary.

This material may be translated into other languages. Where such a translation is made this English version remains definitive. If there are any discrepancies between the English version and any version of this material in another language, the English version shall prevail.

The whole or any part of this material may not be directly or indirectly reproduced, copied, modified, used to create a derivative work, performed, displayed, published, posted, licensed, framed, distributed or transmitted or any of its contents disclosed to third parties without the Firm's express written consent. This material may not be linked to unless such hyperlink is for personal and non-commercial use. All information contained herein is proprietary and is protected under copyright and other applicable law.

Morgan Stanley Investment Management is the asset management division of Morgan Stanley.

#### **DISTRIBUTION**

**This material is only intended for and will only be distributed to persons resident in jurisdictions where such distribution or availability would not be contrary to local laws or regulations.**

**MSIM, the asset management division of Morgan Stanley (NYSE: MS), and its affiliates have arrangements in place to market each other's products and services. Each MSIM affiliate is regulated as appropriate in the jurisdiction it operates. MSIM's affiliates are: Eaton Vance Management (International) Limited, Eaton Vance Advisers International Ltd, Calvert Research and Management, Eaton Vance Management, Parametric Portfolio Associates LLC, and Atlanta Capital Management LLC.**

This material has been issued by any one or more of the following entities:

#### **EMEA**

This material is for Professional Clients/Accredited Investors only.

In the EU, MSIM and Eaton Vance materials are issued by MSIM Fund Management (Ireland) Limited ("FMIL"). FMIL is regulated by the Central Bank of Ireland and is incorporated in Ireland as a private company limited by shares with company registration number 616661 and has its registered address at 24-26 City Quay, Dublin 2, DO2 NY19, Ireland.

Outside the EU, MSIM materials are issued by Morgan Stanley Investment Management Limited (MSIM Ltd) is authorised and regulated by the Financial Conduct Authority. Registered in England. Registered No. 1981121. Registered Office: 25 Cabot Square, Canary Wharf, London E14 4QA.

In Switzerland, MSIM materials are issued by Morgan Stanley & Co. International plc, London (Zurich Branch) Authorised and regulated by the Eidgenössische Finanzmarktaufsicht ("FINMA"). Registered Office: Beethovenstrasse 33, 8002 Zurich, Switzerland.

Outside the US and EU, Eaton Vance materials are issued by Eaton Vance Management (International) Limited ("EVMIL") 125 Old Broad Street, London, EC2N 1AR, UK, which is authorised and regulated in the United Kingdom by the Financial Conduct Authority.

**Italy:** MSIM FMIL (Milan Branch), (Sede Secondaria di Milano) Palazzo Serbelloni Corso Venezia, 16 20121 Milano, Italy. **The Netherlands:** MSIM FMIL (Amsterdam Branch), Rembrandt Tower, 11th Floor Amstelplein 1 1096HA, Netherlands. **France:** MSIM FMIL (Paris Branch), 61 rue de Monceau 75008 Paris, France. **Spain:** MSIM FMIL (Madrid Branch), Calle Serrano 55, 28006, Madrid, Spain. **Germany:** MSIM FMIL Frankfurt Branch, Große Gallusstraße 18, 60312 Frankfurt am Main, Germany (Gattung: Zweigniederlassung (FDI) gem. § 53b KWG). **Denmark:** MSIM FMIL (Copenhagen Branch), Gorrissen Federspiel, Axel Towers, Axeltorv2, 1609 Copenhagen V, Denmark.

#### **MIDDLE EAST**

**Dubai:** MSIM Ltd (Representative Office, Unit Precinct 3-7th Floor-Unit 701 and 702, Level 7, Gate Precinct Building 3, Dubai International Financial Centre, Dubai, 506501, United Arab Emirates. Telephone: +97 (0)14 709 7158).

This document is distributed in the Dubai International Financial Centre by Morgan Stanley Investment Management Limited (Representative Office), an entity regulated by the Dubai Financial Services Authority ("DFSA"). It is intended for use by professional clients and market counterparties only. This document is not intended for distribution to retail clients, and retail clients should not act upon the information contained in this document.

This document relates to a financial product which is not subject to any form of regulation or approval by the DFSA. The DFSA has no responsibility for reviewing or verifying any documents in connection with this financial product. Accordingly, the DFSA has not approved this document or any other associated documents nor taken any steps to verify the information set out in this document, and has no responsibility for it. The financial product to which this document relates may be illiquid and/or subject to restrictions on

its resale or transfer. Prospective purchasers should conduct their own due diligence on the financial product. If you do not understand the contents of this document, you should consult an authorised financial adviser.

#### **U.S.**

**NOT FDIC INSURED | OFFER NO BANK GUARANTEE | MAY LOSE VALUE | NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY | NOT A DEPOSIT**

#### **Latin America (Brazil, Chile Colombia, Mexico, Peru, and Uruguay)**

This material is for use with an institutional investor or a qualified investor only. All information contained herein is confidential and is for the exclusive use and review of the intended addressee, and may not be passed on to any third party. This material is provided for informational purposes only and does not constitute a public offering, solicitation or recommendation to buy or sell for any product, service, security and/or strategy. A decision to invest should only be made after reading the strategy documentation and conducting in-depth and independent due diligence.

#### **ASIA PACIFIC**

**Hong Kong:** This material is disseminated by Morgan Stanley Asia Limited for use in Hong Kong and shall only be made available to "professional investors" as defined under the Securities and Futures Ordinance of Hong Kong (Cap 571). The contents of this material have not been reviewed nor approved by any regulatory authority including the Securities and Futures Commission in Hong Kong. Accordingly, save where an exemption is available under the relevant law, this material shall not be issued, circulated, distributed, directed at, or made available to, the public in Hong Kong. **Singapore:** This material is disseminated by Morgan Stanley Investment Management Company and should not be considered to be the subject of an invitation for subscription or purchase, whether directly or indirectly, to the public or any member of the public in Singapore other than (i) to an institutional investor under section 304 of the Securities and Futures Act, Chapter 289 of Singapore ("SFA"); (ii) to a "relevant person" (which includes an accredited investor) pursuant to section 305 of the SFA, and such distribution is in accordance with the conditions specified in section 305 of the SFA; or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA. This publication has not been reviewed by the Monetary Authority of Singapore. **Australia:** This material is provided by Morgan Stanley Investment Management (Australia) Pty Ltd ABN 22122040037, AFSL No. 314182 and its affiliates and does not constitute an offer of interests. Morgan Stanley Investment Management (Australia) Pty Limited arranges for MSIM affiliates to provide financial services to Australian wholesale clients. Interests will only be offered in circumstances under which no disclosure is required under the Corporations Act 2001 (Cth) (the "Corporations Act"). Any offer of interests will not purport to be an offer of interests in circumstances under which disclosure is required under the Corporations Act and will only be made to persons who qualify as a "wholesale client" (as defined in the Corporations Act). This material will not be lodged with the Australian Securities and Investments Commission.

#### **Japan**

For professional investors, this material is circulated or distributed for informational purposes only. For those who are not professional investors, this material is provided in relation to Morgan Stanley Investment Management (Japan) Co., Ltd. ("MSIMJ")'s business with respect to discretionary investment management agreements ("IMA") and investment advisory agreements ("IAA"). This is not for the purpose of a recommendation or solicitation of transactions or offers any particular financial instruments. Under an IMA, with respect to management of assets of a client, the client prescribes basic management policies in advance and commissions MSIMJ to make all investment decisions based on an analysis of the value, etc. of the securities, and MSIMJ accepts such commission. The client shall delegate to MSIMJ the authorities necessary for making investment. MSIMJ exercises the delegated authorities based on investment decisions of MSIMJ, and the client shall not make individual instructions. All investment profits and losses belong to the clients; principal is not guaranteed. Please consider the investment objectives and nature of risks before investing. As an investment advisory fee for an IAA or an IMA, the amount of assets subject to the contract multiplied by a certain rate (the upper limit is 2.20% per annum (including tax)) shall be incurred in proportion to the contract period. For some strategies, a contingency fee may be incurred in addition to the fee mentioned above. Indirect charges also may be incurred, such as brokerage commissions for incorporated securities. Since these charges and expenses are different depending on a contract and other factors, MSIMJ cannot present the rates, upper limits, etc. in advance. All clients should read the Documents Provided Prior to the Conclusion of a Contract carefully before executing an agreement. This material is disseminated in Japan by MSIMJ, Registered No. 410 (Director of Kanto Local Finance Bureau (Financial Instruments Firms)), Membership: the Japan Securities Dealers Association, The Investment Trusts Association, Japan, the Japan Investment Advisers Association and the Type II Financial Instruments Firms Association.