

Active Quantitative Equity

A Pioneer in Quantitative and Sustainable Investing

Emerging Markets Enhanced

STATE STREET GLOBAL ADVISORS

Why State Street Global Advisors?

27 global offices

10 investment centers

500+ investment professionals

24-hour trading capabilities; Traders in Boston, London and Hong Kong

25 years of experience in managing enhanced equity portfolios

Why Enhanced?

- Potential to provide a modest amount of excess return while closely adhering to benchmark characteristics.
- Minimizes allocation of active risk budgets
- Targets the 'sweet spot' of excess risk/return spectrum in search for risk-efficient alpha
- Rigorous and multi-dimensional approach to risk management seeks to achieve diversification and minimize unintended stock-specific and macro-factor risks.

Ways Investors Can Benefit

- Offers a lower-risk solution for investors seeking diversification with higher-risk active strategies or an alternative to indexed solutions.
- As investors contemplate lower capital market returns going forward on core portfolio assets, an additional 75–100bps of alpha from their equity line-up can become meaningful.
- Strict risk controls for deviations from index allow for a low tracking error, constrained active positions to limit concentration and targeted low turnover to limit costs.
- Decreased costs versus utilizing a combination of indexed plus higher-risk alpha strategies, and also allows for a more precise allocation.

Investment Objective

- Seeks to outperform the MSCI Emerging Markets Index by 0.75–1.00% p.a. over a 3–5 year period.
- Active risk expected to be between 0.25–1.75% p.a. over a 3–5 year period.

The above figures are estimates based on certain assumptions and analysis made by State Street Global Advisors. There is no guarantee that the estimates will be achieved.

Robust performance is a function of the **precision of our forecasts**, the **number of independent forecasts** we can use, and our **ability to express these** in clients' portfolios.

Investment Philosophy

- Market inefficiencies exist due to behavioral biases and limits to arbitrage—leading to opportunities for excess return.
- Our insights are best applied to a wide investment universe with a robust and systematic investment process.
- A strong emphasis on economic rationale, vetted by rigorous research is critical to ensure successful outcomes.

Investment Process

Research

Innovation is critical to continual process improvement. We dedicate significant resources to finding and exploiting market inefficiencies.

Stock Selection

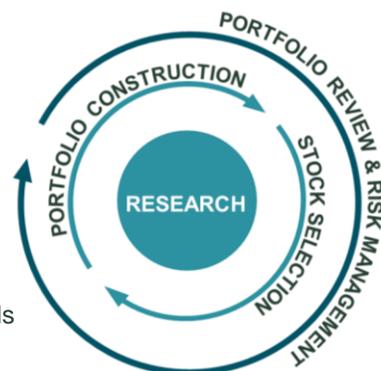
We forecast security returns by analyzing company fundamentals and the actions of market participants – from both bottom up and top down perspectives.

Portfolio Construction

We balance return forecasts with expected risks and transaction costs to optimally reflect our investment insights in portfolio holdings.

Portfolio Review and Risk Management

We regularly review the drivers of return and seek to take sufficient risk to achieve risk/return targets, without exposing investors to any unintended biases such as size, beta and style. Our portfolios benefit from prudent risk limits at the security, sector and country levels.



Intuitive Process

Sound intuition combined with behavioral finance insights provides the ability to systematically identify mispriced stock opportunities.

Objectivity and Breadth

Systematic process lends well to providing the breadth of coverage and depth of expertise to evaluate the vast universe of data and adapt to changing variables.

Built for Purpose

Alpha engine allows us to efficiently manage investment challenges such as taxation, liquidity constraints and barriers to entry.

Experience

Portfolio optimization process which has been fine-tuned through our experience with managing enhanced strategies and navigating multiple market cycles.

ESG Integration

ESG is systematically integrated into the stock selection model as a component of the Quality theme, providing scores for nearly 4,000 companies worldwide.

Potential Reward

Solid performance versus benchmark in varying market environments due to uncorrelated model themes that seek to capture diverse sources of return.

Global Team Highlights

as of December 31, 2018

US\$29B in Active Quantitative
Equity assets under management

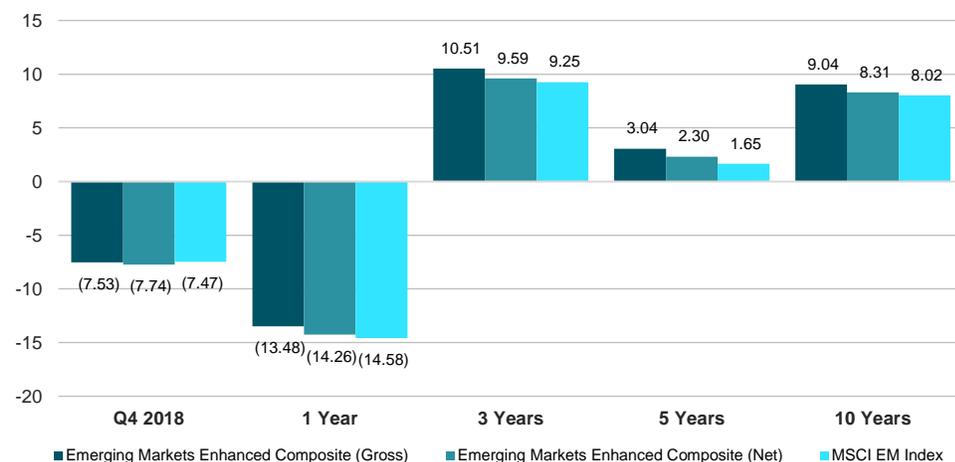
19 portfolio managers
Average 21 years' industry experience

13 quantitative equity researchers
Average 11 years' industry experience

14 CFAs

8 PhD designations

Annualized Performance (%) in USD as of December 31, 2018



Source: State Street Global Advisors

Inception date July 2007

Returns greater than one year are annualized. Returns represent past performance and are not a guarantee of future results. Current performance may differ from the performance shown. Returns shown are asset-weighted using Composite (as defined below) member market values, where the Composite member's return calculations are time-weighted and reflect the reinvestment of dividends and other income.

Composite gross: These performance figures are provided gross of fees and expenses other than actual trading fees and expenses, and reflect all items of income, gain, and loss (other than unrealized gain or loss on units of the securities lending pools held by any portfolio in the Composite). The performance figures do not take account of the mark to market value of the units of the securities lending cash collateral pools held by any of the portfolios in the Composite. If they had, the performance shown would have been lower.

Composite net: These performance figures (i) are provided net of actual trading, audit, custody, administrative and legal fees and expenses; (ii) beginning on 9/30/2014, adjusted quarterly to reflect the highest investment management fee on the actual fee schedule, inclusive of incentive fee, if any, of any account within the Composite ("Management Fee") at the relevant time; prior to 9/30/2014, adjusted for an assumed investment management fee, which is equal to or higher than the Management Fee (except in each case certain small accounts-subject to a minimum investment management fee-may have incurred an actual investment management fee higher than that fee assumed in calculating the performance shown above); and (iii) reflect all items of income, gain and loss (other than unrealized gain or loss on units of the securities lending pools held by any portfolio in the Composite). Index returns are unmanaged and do not reflect the deduction of any fees or expenses. Index returns reflect all items of income and the reinvestment of dividends (net of withholding tax rates) and other income and are calculated in U.S. dollars. It is not possible to invest directly in an index.

Performance returns are calculated in U.S. dollars.

Risk Statistics gross of fees, in USD as of December 31, 2018

Annualized 36 Months

Standard Deviation	14.4	Sharpe Ratio	0.66
Beta	0.98	Information Ratio	1.54
Tracking Error	0.82	Correlation to Benchmark	1.00

Characteristics as of December 31, 2018

	Portfolio	MSCI EM Index
Annual Dividend Yield (Trailing 12 Months)	3.45%	2.91%
Composite Assets Under Management (\$M)	2,419.5	--
Estimated 3-5 Year EPS Growth	11.33	12.21
Price/Book Ratio	1.45x	1.51x
Price/Earnings (Forward 12 Months)	9.91x	11.15x
Total Number of Holdings	535	1122
Weighted Average Market Cap (\$B)	45.68	44.03

The Supplemental Information above (except for the Beta and Standard Deviation) is that of a single representative account within the Composite, which is subject to change. The representative account was chosen because it has no material restrictions and fairly represents the investment style of the Strategy. The Supplemental Information should not be deemed to be reflective of (and could differ from) the overall Composite or any other single account within the Composite. Certain Supplemental Information may be rounded to the nearest hundredth decimal and may result in the total not adding up to 100. Characteristics are calculated using the month-end market value of holdings of the representative account, and where averages are shown these reflect the market weights of the securities in the representative account. For beta and standard deviation, if shown, these reflect Composite month-end returns. Characteristics are as of the date indicated, are subject to change, and should not be relied upon as current thereafter. Market data, prices, and dividend estimates for characteristics calculations provided by Factset Research Systems, Inc. All other portfolio data provided by State Street Global Advisors.

Glossary

Alpha The excess return of a fund relative to the return of a benchmark index.

Beta Measures the volatility of a security or portfolio in relation to the market, for example, the S&P 500 Index. A beta of 1 indicates the security will move with the market. A beta of 1.3 means the security is expected to be 30 percent more volatile than the market, while a beta of 0.8 means the security is expected to be 20 percent less volatile than the market.

Sharpe Ratio Represents the average return earned in excess of the risk free rate relative to level of volatility. It is used as a measure of risk-adjusted returns.

Standard Deviation Quantifies how much a series of numbers vary around the mean or average value. A higher standard deviation would indicate more fluctuation.

Tracking error A measure of how closely a portfolio follows the index to which it is benchmarked.

ESG Environmental, Social and Governance criteria is used by socially-conscious investors to screen potential investments.

MSCI Emerging Markets Index A stock market index of 'emerging market' stocks.

Information Ratio Represents the portfolio returns above the returns of a benchmark relative to the volatility of those returns.

Correlation to Benchmark Strength of the relationship of a strategy's performance and its market, as measured by the benchmark.

Dividend Yield The ratio of dividends paid in a given year relative to its stock price.

EPS Growth Earnings per Share Growth is the percentage change in profits divided by the number of common outstanding shares

Price/Book Ratio Represents a stock's market value to the net assets of the company.

Price/Earnings Ratio Represents a stock's market value to the net assets of the company.

Weighted Average Market Cap A measure of the average size of a company in a given strategy or index, calculated by weighting the market capitalization of each stock held.

Marketing communication

State Street Global Advisors Worldwide Entities

Abu Dhabi: State Street Global Advisors Limited, Middle East Branch, 42801, 28, Al Khatem Tower, Abu Dhabi Global Market Square, Al Mayah Island, Abu Dhabi, United Arab Emirates. Telephone: +971 2 245 9000. **Australia:** State Street Global Advisors, Australia, Limited (ABN 42 003 914 225) is the holder of an Australian Financial Services Licence (AFSL Number 238276). Registered office: Level 17, 420 George Street, Sydney, NSW 2000, Australia T: +612 9240-7600. F: +612 9240-7611. **Belgium:** State Street Global Advisors Belgium, Chaussée de La Hulpe 120, 1000 Brussels, Belgium. T: 32 2 663 2036. F: 32 2 672 2077. SSGA Belgium is a branch office of State Street Global Advisors Limited. State Street Global Advisors Limited is authorised and regulated by the Financial Conduct Authority in the United Kingdom. **Canada:** State Street Global Advisors, Ltd., 770 Sherbrooke Street West, Suite 1200 Montreal, Quebec, H3A 1G1, T: +514 282 2400 and 30 Adelaide Street East Suite 500, Toronto, Ontario M5C 3G6. T: +647 775 5900. **Dubai:** State Street Global Advisors Limited, DIFC Branch, Central Park Towers, Suite 15-38 (15th floor), P.O Box 26838, Dubai International Financial Centre (DIFC), Dubai, United Arab Emirates. Telephone: +971 (0)4-4372800, Facsimile: +971 (0)4-4372818. **France:** State Street Global Advisors Ireland Limited, Paris branch is a branch of State Street Global Advisors Ireland Limited, registered in Ireland with company number 145221, authorised and regulated by the Central Bank of Ireland, and whose registered office is at 78 Sir John Rogerson's Quay, Dublin 2. State Street Global Advisors Ireland Limited, Paris Branch, is registered in France with company number RCS Nanterre 832 734 602 and whose office is at Immeuble Défense Plaza, 23-25 rue Delarivière-Lefoullon, 92064 Paris La Défense Cedex, France. T: (+33) 1 44 45 40 00. F: (+33) 1 44 45 41 92. **Germany:** State Street Global Advisors GmbH, Briener Strasse 59, D-80333 Munich. Authorised and regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht ("BaFin"). Registered with the Register of Commerce Munich HRB 121381. T: +49 (0)89-55878-400. F: +49 (0)89-55878-440. **Hong Kong:** State Street Global Advisors Asia Limited, 68/F, Two International Finance Centre, 8 Finance Street, Central, Hong Kong. T: +852 2103-0288. F: +852 2103-0200. **Ireland:** State Street Global Advisors Ireland Limited is regulated by the Central Bank of Ireland. Registered office address 78 Sir John Rogerson's Quay, Dublin 2. Registered Number: 145221. T: +353 (0)1 776 3000. F: +353 (0)1 776 3300. **Italy:** State Street Global Advisors Limited, Milan Branch (Sede Secondaria di Milano) is a branch of State Street Global Advisors Limited, a company registered in the UK, authorised and regulated by the Financial Conduct Authority (FCA), with a capital of GBP 62'350'000.00, and whose registered office is at 20 Churchill Place, London E14 5HJ. State Street Global Advisors Limited, Milan Branch (Sede Secondaria di Milano), is registered in Italy with company number 06353340968 - R.E.A. 1887090 and VAT number 06353340968 and whose office is at Via dei Bossi, 4 - 20121 Milano, Italy. T: 39 02 32066 100. F: 39 02 32066 155. **Japan:** State Street Global Advisors (Japan) Co., Ltd., Toranomon Hills Mori Tower 25F 1-23-1 Toranomon, Minato-ku, Tokyo 105-6325 Japan. T: +81-3-4530-7380. Financial Instruments Business Operator, Kanto Local Financial Bureau (Kinsho #345), Membership:

Japan Investment Advisers Association, The Investment Trust Association, Japan, Japan Securities Dealers' Association. **Netherlands:** State Street Global Advisors Netherlands, Apollo Building, 7th floor Herikerbergweg 29 1101 CN Amsterdam, Netherlands. T: +31 20 7181701. SSGA Netherlands is a branch office of State Street Global Advisors Limited. State Street Global Advisors Limited is authorised and regulated by the Financial Conduct Authority in the United Kingdom. **Singapore:** State Street Global Advisors Singapore Limited, 168, Robinson Road, #33-01 Capital Tower, Singapore 068912 (Company Reg. No: 200002719D, regulated by the Monetary Authority of Singapore). T: +65 6826-7555. F: +65 6826-7501. **Switzerland:** State Street Global Advisors AG, Beethovenstr. 19, CH-8027 Zurich. Authorised and regulated by the Eidgenössische Finanzmarktaufsicht ("FINMA"). Registered with the Register of Commerce Zurich CHE-105.078.458. T: +41 (0)44 245 70 00. F: +41 (0)44 245 70 16. **United Kingdom:** State Street Global Advisors Limited. Authorised and regulated by the Financial Conduct Authority. Registered in England. Registered No. 2509928. VAT No. 5776591 81. Registered office: 20 Churchill Place, Canary Wharf, London, E14 5HJ. T: 020 3395 6000. F: 020 3395 6350. **United States:** State Street Global Advisors, 1 Iron Street, Boston, MA 02210-1641.

Disclosure

Investing involves risk including the risk of loss of principal.

The information provided does not constitute investment advice and it should not be relied on as such. It should not be considered a solicitation to buy or an offer to sell a security. It does not take into account any investor's particular investment objectives, strategies, tax status or investment horizon. You should consult your tax and financial advisor. All material has been obtained from sources believed to be reliable. There is no representation or warranty as to the accuracy of the information and State Street shall have no liability for decisions based on such information.

Actively managed strategies do not seek to replicate the performance of a specified index.

The Strategy is actively managed and may underperform its benchmarks. An investment in the strategy is not appropriate for all investors and is not intended to be a complete investment program. Investing in the strategy involves risks, including the risk that investors may receive little or no return on the investment or that investors may lose part or even all of the investment.

Investing in foreign domiciled securities may involve risk of capital loss from unfavorable fluctuation in currency values, withholding taxes, from differences in generally accepted accounting principles or from economic or political instability in other nations.

Risk associated with equity investing include stock values which may fluctuate in response to the activities of individual companies and general market and economic conditions.

The MSCI Emerging Markets Index is a trademark of MSCI Inc. Source: MSCI. The MSCI data is comprised of a custom index calculated by MSCI for, and as requested by, SSGA. The MSCI data is for internal use only and may not be redistributed or used in connection with creating or offering any securities, financial products or indices. Neither MSCI nor any other third party involved in or related to compiling, computing or creating the MSCI data (the "MSCI Parties") makes any express or implied warranties or representations with respect to such data (or the results to be obtained by the use thereof), and the MSCI Parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to such data. Without limiting any of the foregoing, in no event shall any of the MSCI Parties have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

Companies with large market capitalizations go in and out of favor based on market and economic conditions. Larger companies tend to be less volatile than companies with smaller market capitalizations. In exchange for this potentially lower risk, the value of the security may not rise as much as companies with smaller market capitalizations.

SSGA uses quantitative models in an effort to enhance returns and manage risk. While SSGA expects these models to perform as expected, deviation between the forecasts and the actual events can result in either no advantage or in results opposite to those desired by SSGA. In particular, these models may draw from unique historical data that may not predict future trades or market performance adequately. There can be no assurance that the models will behave as expected in all market conditions. In addition, computer programming used to create quantitative models, or the data on which such models operate, might contain one or more errors. Such errors might never be detected, or might be detected only after the Portfolio has sustained a loss (or reduced performance) related to such errors. Availability of third-party models could be reduced or eliminated in the future.

Currency Risk is a form of risk that arises from the change in price of one currency against another. Whenever investors or companies have assets or business operations across national borders, they face currency risk if their positions are not hedged.

All information is from SSGA unless otherwise noted and has been obtained from sources believed to be reliable, but its accuracy is not guaranteed. There is no representation or warranty as to the current accuracy, reliability or completeness of, nor liability for, decisions based on such information and it should not be relied on as such.

The trademarks and service marks referenced herein are the property of their respective owners. Third party data providers make no warranties or representations of any kind relating to the accuracy, completeness or timeliness of the data and have no liability for damages of any kind relating to the use of such data.

The whole or any part of this work may not be reproduced, copied or transmitted or any of its contents disclosed to third parties without SSGA's express written consent.