

FTSE EDHEC-Risk Efficient Index Series

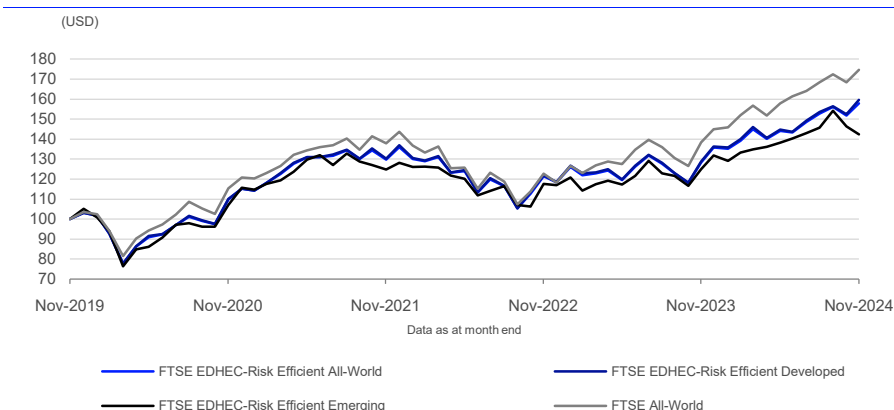
Data as at: 29 November 2024

The FTSE EDHEC-Risk Efficient Index Series, launched in association with EDHEC-Risk Institute (EDHEC-Risk), is based on all constituent securities in the FTSE All-World Index Series. Constituents' weights result from EDHEC-Risk's portfolio optimisation, which targets improvements in efficiency for a broad market index by maximising the Return/Risk Ratio.

Key Features:

- The indices attempt to improve the risk/reward trade-off available in the broad stock market.
- The indices are highly diversified.
- The high concentration and the poor diversification of cap-weighted indices can be avoided.

5-Year Performance - Total Return



Index Characteristics

| Attributes | FTSE EDHEC-Risk Efficient All-World | FTSE EDHEC-Risk Efficient Developed | FTSE EDHEC-Risk Efficient Emerging | FTSE All-World |
|-------------------------|-------------------------------------|-------------------------------------|------------------------------------|----------------|
| Number of constituents | 3304 | 2016 | 1288 | 4242 |
| Dividend Yield % | 2.27 | 2.15 | 3.48 | 1.81 |
| Constituent (Wgt %) | | | | |
| Average | 0.03 | 0.05 | 0.08 | 0.02 |
| Largest | 0.61 | 0.67 | 1.59 | 4.29 |
| Median | 0.01 | 0.02 | 0.05 | 0.00 |
| Top 10 Holdings (Wgt %) | 4.45 | 4.88 | 8.29 | 21.53 |

Performance and Volatility - Total Return

| Index (USD) | Return % | | | | | | Return pa %* | | Volatility %** | | |
|-------------------------------------|----------|------|------|------|------|------|--------------|------|----------------|------|------|
| | 3M | 6M | YTD | 12M | 3YR | 5YR | 3YR | 5YR | 1YR | 3YR | 5YR |
| FTSE EDHEC-Risk Efficient All-World | 3.4 | 9.6 | 16.2 | 23.0 | 21.7 | 57.9 | 6.8 | 9.6 | 9.1 | 15.0 | 18.0 |
| FTSE EDHEC-Risk Efficient Developed | 4.0 | 10.3 | 17.1 | 24.0 | 22.5 | 59.6 | 7.0 | 9.8 | 9.4 | 15.6 | 18.3 |
| FTSE EDHEC-Risk Efficient Emerging | -2.3 | 3.0 | 8.0 | 13.8 | 14.0 | 42.3 | 4.5 | 7.3 | 10.8 | 13.2 | 17.6 |
| FTSE All-World | 3.7 | 10.6 | 20.5 | 26.3 | 26.6 | 74.6 | 8.2 | 11.8 | 9.9 | 15.8 | 17.4 |
| FTSE Developed | 4.0 | 11.0 | 21.4 | 27.4 | 29.5 | 81.3 | 9.0 | 12.6 | 10.3 | 16.3 | 17.9 |
| FTSE Emerging | 0.7 | 6.6 | 12.1 | 16.2 | 3.4 | 25.7 | 1.1 | 4.7 | 12.3 | 15.9 | 18.2 |

* Compound annual returns measured over 3 and 5 years respectively

** Volatility – 1YR based on 12 months daily data. 3YR based on weekly data (Wednesday to Wednesday). 5YR based on monthly data

FEATURES

Objective

The indices are designed for the creation of index tracking funds, derivatives and as a performance benchmark.

Investability

A transparent and replicable portfolio construction strategy.

Liquidity

Stocks in the underlying universe are screened to ensure that the index is tradable.

Transparency

Index rules are freely available on the FTSE website.

Availability

The index is calculated based on price and total return methodologies, both real time and end of day. A Net Total Return index is also calculated.

Industry Classification Benchmark

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis.

Year-on-Year Performance - Total Return

| Index % (USD) | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------------------------|------|-------|------|------|-------|------|------|------|-------|------|
| FTSE EDHEC-Risk Efficient All-World | 8.1 | 0.9 | 8.6 | 23.8 | -9.5 | 23.8 | 11.5 | 18.1 | -12.9 | 14.7 |
| FTSE EDHEC-Risk Efficient Developed | 8.4 | 2.3 | 8.6 | 23.3 | -9.3 | 24.8 | 11.7 | 18.9 | -13.4 | 14.9 |
| FTSE EDHEC-Risk Efficient Emerging | 4.7 | -13.4 | 8.5 | 28.7 | -11.6 | 14.9 | 10.1 | 10.8 | -8.8 | 12.7 |
| FTSE All-World | 4.8 | -1.7 | 8.6 | 24.6 | -9.1 | 27.2 | 16.6 | 18.9 | -17.7 | 22.6 |
| FTSE Developed | 5.1 | -0.3 | 8.2 | 23.9 | -8.6 | 28.0 | 16.7 | 21.4 | -17.8 | 24.2 |
| FTSE Emerging | 1.6 | -15.2 | 13.5 | 32.5 | -13.0 | 20.6 | 15.5 | 0.1 | -16.9 | 9.1 |

Return/Risk Ratio and Drawdown - Total Return

| Index (USD) | Return/Risk Ratio | | | | Drawdown (%) | | | |
|-------------------------------------|-------------------|-----|-----|------|--------------|-------|-------|-------|
| | 1YR | 3YR | 5YR | 10YR | 1YR | 3YR | 5YR | 10YR |
| FTSE EDHEC-Risk Efficient All-World | 2.5 | 0.5 | 0.5 | 0.6 | -5.4 | -23.0 | -36.4 | -36.4 |
| FTSE EDHEC-Risk Efficient Developed | 2.5 | 0.5 | 0.5 | 0.6 | -5.5 | -23.7 | -36.5 | -36.5 |
| FTSE EDHEC-Risk Efficient Emerging | 1.2 | 0.3 | 0.4 | 0.3 | -9.1 | -19.2 | -36.3 | -38.0 |
| FTSE All-World | 2.6 | 0.5 | 0.7 | 0.7 | -8.2 | -26.0 | -33.7 | -33.7 |
| FTSE Developed | 2.6 | 0.5 | 0.7 | 0.7 | -8.2 | -26.1 | -34.0 | -34.0 |
| FTSE Emerging | 1.3 | 0.1 | 0.3 | 0.2 | -8.8 | -28.9 | -34.8 | -35.1 |

Return/Risk Ratio – based on compound annual returns and volatility in Performance and Volatility table
Drawdown - based on daily data

Top 10 Constituents - FTSE EDHEC-Risk Efficient Developed

| Constituent | Country/Market | ICB Sector | FTSE EDHEC-Risk Efficient Developed (Wgt %) | FTSE Developed (Wgt %) | Diff % |
|------------------------|----------------|---------------------------------------|---|------------------------|--------|
| Howmet Aerospace Inc | USA | Aerospace and Defense | 0.67 | 0.07 | 0.60 |
| Marathon Petroleum | USA | Oil Gas and Coal | 0.53 | 0.08 | 0.45 |
| Vistra Corp | USA | Electricity | 0.52 | 0.08 | 0.45 |
| O Reilly Auto | USA | Retailers | 0.52 | 0.10 | 0.42 |
| Walmart | USA | Retailers | 0.52 | 0.55 | -0.04 |
| M&T Bank | USA | Banks | 0.47 | 0.05 | 0.42 |
| SPOTIFY TECHNOLOGY SA | USA | Media | 0.44 | 0.10 | 0.34 |
| Duke Energy Corp | USA | Gas Water and Multi-utilities | 0.42 | 0.12 | 0.30 |
| Kroger | USA | Personal Care Drug and Grocery Stores | 0.41 | 0.06 | 0.36 |
| Verizon Communications | USA | Telecommunications Service Providers | 0.38 | 0.26 | 0.12 |
| Totals | | | 4.88 | 1.47 | |

Top 10 Constituents - FTSE EDHEC-Risk Efficient Emerging

| Constituent | Country/Market | ICB Sector | FTSE EDHEC-Risk Efficient Emerging (Wgt %) | FTSE Emerging (Wgt %) | Diff % |
|-------------------------------|----------------|-----------------------------------|--|-----------------------|--------|
| Anta Sports Products (P Chip) | China | Personal Goods | 1.59 | 0.16 | 1.42 |
| Delta Electronics (Thailand) | Thailand | Technology Hardware and Equipment | 1.31 | 0.16 | 1.15 |
| Evergreen Marine | Taiwan | Industrial Transportation | 0.94 | 0.09 | 0.85 |
| Bharat Petroleum Corp | India | Oil Gas and Coal | 0.70 | 0.09 | 0.60 |
| Gold Fields | South Africa | Precious Metals and Mining | 0.67 | 0.17 | 0.50 |
| Sabesp ON | Brazil | Gas Water and Multi-utilities | 0.66 | 0.09 | 0.58 |
| Varun Beverages | India | Beverages | 0.65 | 0.11 | 0.54 |
| Adani Enterprises | India | General Industrials | 0.63 | 0.12 | 0.51 |
| Hindustan Petroleum | India | Oil Gas and Coal | 0.58 | 0.05 | 0.52 |
| Indian Oil | India | Oil Gas and Coal | 0.56 | 0.09 | 0.47 |
| Totals | | | 8.29 | 1.13 | |

INFORMATION

Index Universe

FTSE All World Index Series

Index Launch

18 January 2010

Base Date

20 December 2002

Base Value

100

Investability Screen

Actual free float applied and liquidity screened

Index Calculation

Real-time and end-of-day indices available

End-of-Day Distribution

Via FTP and email

Currency

USD, GBP, JPY, EUR

Review Dates

Quarterly in March, June, September, December

ICB Industry Breakdown

| | | FTSE EDHEC-Risk Efficient All-World | | FTSE All-World | | |
|----------|------------------------|-------------------------------------|--------|----------------|--------|--------|
| ICB Code | ICB Industry | No. of Cons | Wgt % | No. of Cons | Wgt % | Diff % |
| 10 | Technology | 297 | 12.21 | 422 | 27.94 | -15.73 |
| 15 | Telecommunications | 102 | 3.07 | 122 | 2.73 | 0.34 |
| 20 | Health Care | 243 | 8.93 | 350 | 9.75 | -0.81 |
| 30 | Financials | 525 | 13.27 | 618 | 15.33 | -2.06 |
| 35 | Real Estate | 204 | 4.92 | 233 | 2.31 | 2.62 |
| 40 | Consumer Discretionary | 486 | 14.95 | 599 | 13.94 | 1.01 |
| 45 | Consumer Staples | 256 | 9.42 | 317 | 5.00 | 4.42 |
| 50 | Industrials | 613 | 15.15 | 782 | 13.07 | 2.08 |
| 55 | Basic Materials | 251 | 4.12 | 381 | 2.90 | 1.21 |
| 60 | Energy | 139 | 6.33 | 184 | 4.14 | 2.19 |
| 65 | Utilities | 188 | 7.63 | 234 | 2.90 | 4.73 |
| Totals | | 3304 | 100.00 | 4242 | 100.00 | |

5-Year Correlation - Total Return

| | FTSE EDHEC-Risk Efficient All-World | FTSE All-World | FTSE EDHEC-Risk Efficient Developed | FTSE Developed | FTSE EDHEC-Risk Efficient Emerging | FTSE Emerging |
|-------------------------------------|-------------------------------------|----------------|-------------------------------------|----------------|------------------------------------|---------------|
| FTSE EDHEC-Risk Efficient All-World | 1.000 | 0.976 | 0.999 | 0.971 | 0.874 | 0.794 |
| FTSE All-World | | 1.000 | 0.976 | 0.997 | 0.841 | 0.788 |
| FTSE EDHEC-Risk Efficient Developed | | | 1.000 | 0.974 | 0.847 | 0.767 |
| FTSE Developed | | | | 1.000 | 0.807 | 0.741 |
| FTSE EDHEC-Risk Efficient Emerging | | | | | 1.000 | 0.937 |
| FTSE Emerging | | | | | | 1.000 |

Country/Market Breakdown

| | FTSE EDHEC-Risk Efficient All-World | | FTSE All-World | | |
|----------------|-------------------------------------|--------|----------------|--------|--------|
| Country/Market | No. of Cons | Wgt % | No. of Cons | Wgt % | Diff % |
| Australia | 104 | 1.14 | 104 | 1.80 | -0.65 |
| Austria | 7 | 0.26 | 7 | 0.05 | 0.22 |
| Belgium | 13 | 0.33 | 13 | 0.21 | 0.11 |
| Brazil | 80 | 0.40 | 80 | 0.42 | -0.02 |
| Canada | 48 | 2.43 | 48 | 2.47 | -0.05 |
| Chile | 20 | 0.12 | 20 | 0.05 | 0.07 |
| China | 294 | 1.79 | 1232 | 2.85 | -1.06 |
| Colombia | 4 | 0.02 | 4 | 0.01 | 0.00 |
| Czech Rep. | 4 | 0.01 | 4 | 0.01 | 0.00 |
| Denmark | 19 | 0.71 | 19 | 0.65 | 0.06 |
| Egypt | 1 | 0.02 | 1 | 0.00 | 0.01 |
| Finland | 14 | 0.42 | 14 | 0.21 | 0.21 |
| France | 67 | 1.49 | 67 | 2.18 | -0.69 |
| Germany | 67 | 1.75 | 67 | 1.89 | -0.14 |
| Greece | 29 | 0.05 | 29 | 0.05 | -0.01 |
| Hong Kong | 70 | 0.81 | 70 | 0.48 | 0.33 |
| Hungary | 5 | 0.02 | 5 | 0.03 | -0.01 |
| Iceland | 10 | 0.01 | 10 | 0.01 | 0.00 |
| India | 244 | 2.50 | 244 | 2.15 | 0.36 |
| Indonesia | 39 | 0.30 | 39 | 0.17 | 0.14 |
| Ireland | 5 | 0.25 | 5 | 0.06 | 0.19 |
| Israel | 29 | 0.16 | 29 | 0.16 | 0.00 |
| Italy | 36 | 0.76 | 36 | 0.62 | 0.15 |
| Japan | 496 | 5.69 | 496 | 5.61 | 0.08 |
| Korea | 157 | 1.25 | 157 | 0.98 | 0.27 |
| Kuwait | 8 | 0.05 | 8 | 0.08 | -0.02 |
| Malaysia | 39 | 0.36 | 39 | 0.18 | 0.18 |
| Mexico | 37 | 0.16 | 37 | 0.20 | -0.04 |
| Netherlands | 29 | 0.80 | 29 | 0.90 | -0.10 |
| New Zealand | 13 | 0.20 | 13 | 0.07 | 0.13 |
| Norway | 16 | 0.46 | 16 | 0.13 | 0.32 |
| Philippines | 23 | 0.21 | 23 | 0.06 | 0.15 |
| Poland | 10 | 0.25 | 10 | 0.07 | 0.18 |
| Portugal | 4 | 0.14 | 4 | 0.03 | 0.10 |
| Qatar | 17 | 0.10 | 17 | 0.09 | 0.01 |
| Romania | 7 | 0.01 | 7 | 0.01 | 0.00 |
| Saudi Arabia | 64 | 0.34 | 64 | 0.41 | -0.06 |
| Singapore | 35 | 0.35 | 35 | 0.32 | 0.04 |
| South Africa | 40 | 0.34 | 40 | 0.32 | 0.02 |
| Spain | 24 | 0.57 | 24 | 0.59 | -0.01 |
| Sweden | 53 | 1.18 | 53 | 0.68 | 0.50 |
| Switzerland | 53 | 1.13 | 53 | 2.02 | -0.89 |
| Taiwan | 128 | 1.20 | 128 | 1.86 | -0.66 |
| Thailand | 49 | 0.41 | 49 | 0.19 | 0.22 |
| Turkiye | 114 | 0.14 | 114 | 0.11 | 0.03 |
| UAE | 32 | 0.23 | 32 | 0.16 | 0.06 |
| UK | 100 | 3.48 | 100 | 3.40 | 0.09 |
| USA | 547 | 65.20 | 547 | 65.02 | 0.18 |
| Totals | 3304 | 100.00 | 4242 | 100.00 | |

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To ensure that its activities meet the highest academic standards and to benefit the industry, EDHEC-Risk subjects its activities to a strict validation process. The scientific quality and operational relevance of the research programmes are underpinned by a dual management structure by leading experts serving on its international advisory board.

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