

FTSE EDHEC-Risk Efficient Index Series

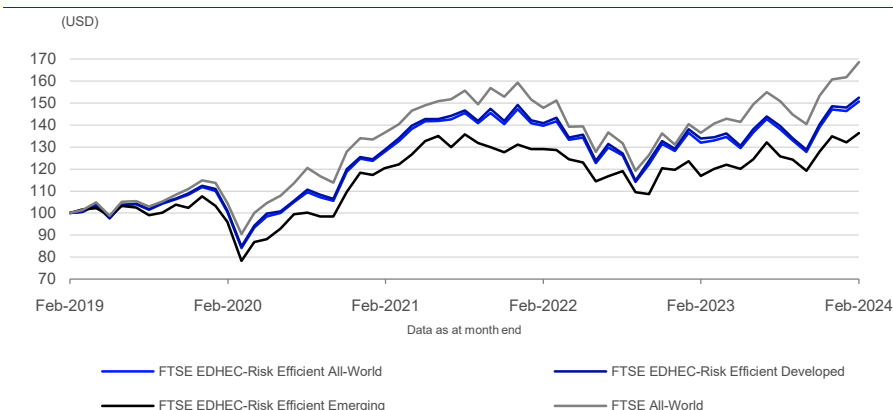
Data as at: 29 February 2024

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	3360	2107	1253	4294
Dividend Yield %	2.44	2.31	3.74	1.97
Constituent (Wgt %)				
Average	0.03	0.05	0.08	0.02
Largest	0.64	0.71	1.44	4.33
Median	0.01	0.02	0.04	0.00
Top 10 Holdings (Wgt %)	4.55	5.02	8.62	19.12

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	8.5	9.1	2.5	14.2	17.9	50.8	5.6	8.6	10.2	14.6	18.1
FTSE EDHEC-Risk Efficient Developed	8.6	9.2	2.6	13.9	18.4	52.4	5.8	8.8	10.8	15.2	18.4
FTSE EDHEC-Risk Efficient Emerging	6.6	8.5	1.1	16.7	13.3	36.4	4.3	6.4	9.7	12.7	17.6
FTSE All-World	9.9	11.8	4.9	23.6	23.5	68.6	7.3	11.0	10.1	15.3	17.7
FTSE Developed	10.5	12.5	5.3	25.2	28.6	76.0	8.7	12.0	10.5	15.8	18.1
FTSE Emerging	4.1	5.1	0.5	9.2	-12.7	16.7	-4.4	3.1	11.8	15.8	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	1.3	0.3	0.5	0.5	-11.4	-23.2	-36.4	-36.4
FTSE EDHEC-Risk Efficient Developed	1.2	0.3	0.5	0.6	-11.6	-23.7	-36.5	-36.5
FTSE EDHEC-Risk Efficient Emerging	1.6	0.2	0.4	0.3	-10.5	-21.0	-36.3	-38.0
FTSE All-World	2.2	0.4	0.6	0.6	-10.4	-26.0	-33.7	-33.7
FTSE Developed	2.3	0.5	0.7	0.6	-10.4	-26.1	-34.0	-34.0
FTSE Emerging	0.7	-0.3	0.2	0.2	-11.3	-32.9	-34.8	-35.7

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	ICB Sector	FTSE EDHEC-Risk Efficient Developed (Wgt %)	FTSE Developed (Wgt %)	Diff %
Marathon Petroleum	USA	Oil Gas and Coal	0.71	0.10	0.61
O Reilly Auto	USA	Retailers	0.60	0.10	0.50
Pioneer Natural Resource	USA	Oil Gas and Coal	0.56	0.08	0.48
Netflix Inc	USA	Media	0.54	0.40	0.13
General Electric	USA	General Industrials	0.47	0.26	0.21
Phillips 66	USA	Oil Gas and Coal	0.46	0.10	0.36
Chipotle Mexican Grill	USA	Travel and Leisure	0.45	0.11	0.34
Merck & Co	USA	Pharmaceuticals and Biotechnology	0.41	0.50	-0.09
D.R. Horton Inc	USA	Household Goods and Home Construction	0.41	0.07	0.34
Kroger	USA	Personal Care Drug and Grocery Stores	0.41	0.05	0.36
Totals			5.02	1.77	

Top 10 Constituents - FTSE EDHEC-Risk Efficient Emerging

Constituent	Country	ICB Sector	FTSE EDHEC-Risk Efficient Emerging (Wgt %)	FTSE Emerging (Wgt %)	Diff %
Anta Sports Products (P Chip)	China	Personal Goods	1.44	0.18	1.26
Adani Enterprises	India	General Industrials	1.13	0.21	0.92
Evergreen Marine	Taiwan	Industrial Transportation	0.82	0.08	0.74
Sabesp ON	Brazil	Gas Water and Multi-utilities	0.80	0.08	0.72
Indian Oil	India	Oil Gas and Coal	0.77	0.12	0.65
Delta Electronics (Thailand)	Thailand	Technology Hardware and Equipment	0.76	0.08	0.68
Bharat Petroleum Corp	India	Oil Gas and Coal	0.76	0.11	0.65
Gold Fields	South Africa	Precious Metals and Mining	0.72	0.17	0.54
Titan	India	Personal Goods	0.71	0.27	0.44
Varun Beverages	India	Beverages	0.71	0.12	0.59
Totals			8.62	1.42	

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

ICB Code	ICB Industry	FTSE EDHEC-Risk Efficient All-World		FTSE All-World		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
10	Technology	289	10.28	413	26.32	-16.04
15	Telecommunications	115	2.60	134	2.83	-0.23
20	Health Care	250	9.51	353	10.91	-1.40
30	Financials	520	12.99	610	14.27	-1.28
35	Real Estate	211	5.65	242	2.32	3.33
40	Consumer Discretionary	518	16.92	636	14.19	2.72
45	Consumer Staples	269	8.34	332	5.44	2.90
50	Industrials	611	15.39	783	13.16	2.23
55	Basic Materials	256	4.68	381	3.35	1.33
60	Energy	138	7.53	181	4.48	3.05
65	Utilities	183	6.10	229	2.71	3.39
Totals		3360	100.00	4294	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	0.980	0.999	0.975	0.886	0.822
FTSE All-World		1.000	0.981	0.998	0.853	0.814
FTSE EDHEC-Risk Efficient Developed			1.000	0.978	0.862	0.799
FTSE Developed				1.000	0.822	0.772
FTSE EDHEC-Risk Efficient Emerging					1.000	0.937
FTSE Emerging						1.000

Country Breakdown

	FTSE EDHEC-Risk Efficient All-World		FTSE All-World		
Country	No. of Cons	Wgt %	No. of Cons	Wgt %	Diff %
Australia	109	1.25	109	1.88	-0.63
Austria	8	0.29	8	0.05	0.24
Belgium	15	0.36	15	0.22	0.14
Brazil	83	0.60	83	0.61	-0.01
Canada	49	2.41	49	2.37	0.04
Chile	21	0.14	21	0.06	0.08
China	305	1.57	1237	2.66	-1.09
Colombia	5	0.02	5	0.02	0.01
Czech Rep.	5	0.01	5	0.01	0.00
Denmark	18	0.84	18	0.80	0.04
Egypt	3	0.03	3	0.01	0.02
Finland	15	0.40	15	0.25	0.16
France	71	1.84	71	2.76	-0.92
Germany	73	2.04	73	2.04	0.00
Greece	25	0.05	26	0.06	-0.01
Hong Kong	76	0.88	76	0.53	0.34
Hungary	4	0.02	4	0.03	-0.01
Iceland	10	0.01	10	0.01	0.00
India	213	2.60	213	2.03	0.57
Indonesia	42	0.38	42	0.21	0.17
Ireland	5	0.29	5	0.06	0.23
Israel	30	0.16	30	0.16	0.00
Italy	34	0.89	34	0.67	0.22
Japan	511	6.32	511	6.39	-0.08
Korea	157	1.47	157	1.28	0.20
Kuwait	9	0.07	9	0.09	-0.02
Malaysia	39	0.35	39	0.17	0.19
Mexico	39	0.26	39	0.30	-0.04
Netherlands	31	0.88	31	1.18	-0.29
New Zealand	15	0.24	15	0.07	0.16
Norway	18	0.43	18	0.15	0.28
Pakistan	1	0.00	1	0.00	0.00
Philippines	26	0.25	26	0.08	0.17
Poland	10	0.30	10	0.08	0.22
Portugal	4	0.14	4	0.04	0.10
Qatar	17	0.09	17	0.10	-0.01
Romania	6	0.01	6	0.01	0.00
Saudi Arabia	56	0.35	56	0.46	-0.10
Singapore	35	0.34	35	0.30	0.04
South Africa	41	0.38	41	0.29	0.09
Spain	24	0.64	24	0.61	0.03
Sweden	55	1.17	55	0.79	0.37
Switzerland	52	1.35	52	2.21	-0.86
Taiwan	119	1.30	119	1.71	-0.41
Thailand	50	0.38	50	0.19	0.19
Turkiye	104	0.15	104	0.12	0.03
UAE	30	0.20	31	0.17	0.03
UK	105	3.64	105	3.54	0.10
USA	587	62.18	587	62.18	0.00
Totals	3360	100.00	4294	100.00	

About EDHEC-Risk Institute

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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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