

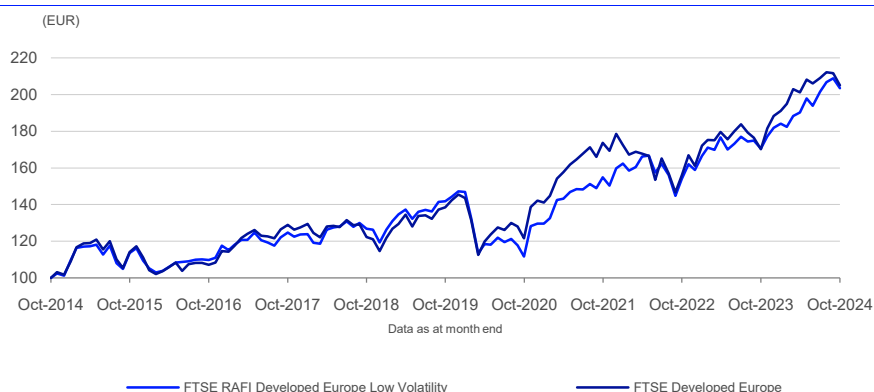
# FTSE RAFI™ Developed Europe Low Volatility Index

Data as at: 31 October 2024

FTSE partners with Research Affiliates on the FTSE RAFI Index Series. Index constituents are weighted using a composite of fundamental factors, including total cash dividends, free cash flow, total sales and book equity value. Prices and market values are not determinants of the index weights. Consequently the indexes are less prone to excessive concentration arising from market fads, which can result in over-exposure to individual companies, sectors or countries.

The FTSE RAFI™ Low Volatility Index Series represents a complementary offering to the existing FTSE RAFI™ Index Series by applying the FTSE RAFI™ index methodology to a universe of low volatility securities. Global, Developed, Emerging and single country indexes are available.

## 10-Year Performance - Total Return



## Performance and Volatility - Total Return

Index (EUR)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE RAFI Developed Europe Low Volatility	1.0	7.0	11.9	19.4	31.4	43.6	9.5	7.5	8.3	10.4	14.9
FTSE Developed Europe	-1.9	1.8	8.9	20.4	18.0	48.0	5.7	8.1	9.9	12.6	15.8

\* 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

## Year-on-Year Performance - Total Return

Index % (EUR)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
FTSE RAFI Developed Europe Low Volatility	8.9	8.0	7.5	5.2	-3.5	23.5	-11.9	23.2	-0.4	14.4
FTSE Developed Europe	7.4	9.3	3.1	11.1	-10.1	26.9	-2.2	25.5	-9.7	16.9

## FEATURES

### Coverage

Global, Developed, Emerging and regional and single country indexes are available.

### Objective

The index is designed for use in the creation of a range of financial products, including index-linked funds, ETFs and over-the-counter (OTC) products.

### Liquidity

Stocks are screened to ensure that the index is tradable.

### Transparency

Index rules are freely available on the FTSE Russell website.

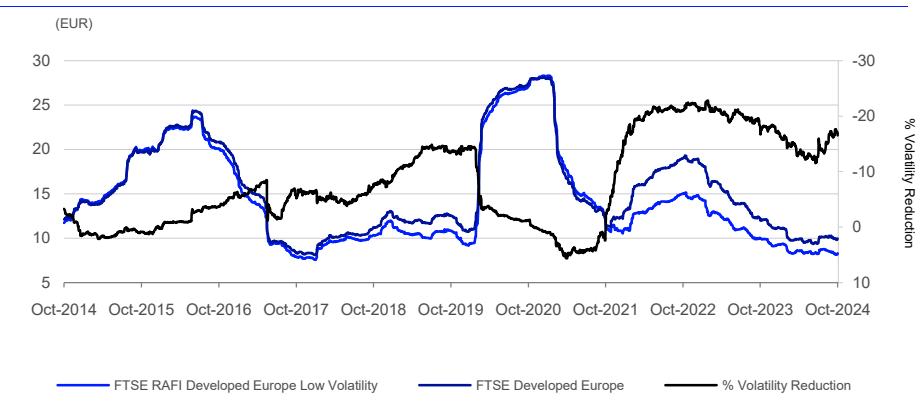
### Availability

The index is calculated based on price and total return methodologies, available end-of-day. Net of tax indexes are also available.

### Industry Classification Benchmark

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

Annualised Rolling 252 Day Volatility - Total Return



Return/Risk Ratio and Drawdown - Total Return

Index (EUR)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE RAFI Developed Europe Low Volatility	2.2	0.9	0.5	0.6	-4.6	-14.1	-36.1	-36.1
FTSE Developed Europe	2.0	0.4	0.5	0.5	-7.0	-20.0	-35.4	-35.4

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

Top 10 Constituents - FTSE RAFI Developed Europe Low Volatility

Constituent	Country/Market	ICB Sector	FTSE RAFI Developed Europe Low Volatility (Wgt %)	FTSE Developed Europe (Wgt %)	Diff %
HSBC Hldgs	UK	Banks	5.51	1.52	3.99
Deutsche Telekom	Germany	Telecommunications Service Providers	5.18	0.91	4.27
Unilever	UK	Personal Care Drug and Grocery Stores	4.63	1.34	3.29
TotalEnergies SE	France	Oil Gas and Coal	4.48	1.12	3.36
Sanofi	France	Pharmaceuticals and Biotechnology	4.24	1.04	3.20
Enel	Italy	Electricity	4.10	0.53	3.57
Nestle	Switzerland	Food Producers	3.60	2.17	1.43
Zurich Insurance Group	Switzerland	Non-life Insurance	3.40	0.76	2.64
GSK	UK	Pharmaceuticals and Biotechnology	3.08	0.64	2.43
Nordea Bank Abp	Finland	Banks	2.33	0.35	1.98
Totals			40.55	10.38	

INFORMATION

Index Universe

FTSE Developed Europe All Cap Index

Index Launch

26 June 2014

Base Date

23 December 2013

Base Value

5000

Index Calculation

End-of-Day indexes available

End-of-Day Distribution

Via FTP and email

Currency

USD, GBP, JPY, EUR, AUD, CAD, HKD

Review Dates

Quarterly in March, June, September & December

History

Available from 2003

## Country/Market Breakdown

	FTSE RAFI Developed Europe Low Volatility		FTSE Developed Europe		
Country/Market	No. of Cons	Wgt %	No. of Cons	Wgt %	Diff %
Austria	-	-	7	0.34	-0.34
Belgium	4	1.26	13	1.58	-0.31
Denmark	4	1.72	19	4.85	-3.14
Finland	6	4.94	14	1.57	3.37
France	14	17.73	67	16.36	1.38
Germany	12	14.75	67	13.61	1.13
Ireland	-	-	5	0.45	-0.45
Italy	4	6.74	36	4.69	2.05
Netherlands	5	3.61	29	6.54	-2.93
Norway	4	1.40	16	0.95	0.45
Poland	-	-	10	0.49	-0.49
Portugal	2	0.77	4	0.26	0.52
Spain	7	1.51	24	4.37	-2.86
Sweden	10	5.19	53	5.05	0.14
Switzerland	14	13.30	53	14.84	-1.54
UK	26	27.07	100	24.05	3.02
<b>Totals</b>	<b>112</b>	<b>100.00</b>	<b>517</b>	<b>100.00</b>	

## ICB Supersector Breakdown

		FTSE RAFI Developed Europe Low Volatility		FTSE Developed Europe		
ICB Code	ICB Supersector	No. of Cons	Wgt %	No. of Cons	Wgt %	Diff %
1010	Technology	2	0.39	22	7.48	-7.09
1510	Telecommunications	8	9.83	19	2.76	7.07
2010	Health Care	9	11.75	51	15.84	-4.09
3010	Banks	6	10.88	40	9.67	1.21
3020	Financial Services	4	0.71	28	4.17	-3.46
3030	Insurance	9	10.81	30	5.77	5.04
3510	Real Estate	4	2.53	21	1.17	1.36
4010	Automobiles and Parts	-	-	13	2.06	-2.06
4020	Consumer Products and Services	6	3.39	26	5.64	-2.25
4030	Media	3	1.37	11	1.97	-0.60
4040	Retailers	3	0.90	10	1.05	-0.14
4050	Travel and Leisure	1	0.30	10	1.09	-0.78
4510	Food Beverage and Tobacco	9	8.86	27	6.20	2.66
4520	Personal Care Drug and Grocery Stores	8	10.29	13	2.91	7.38
5010	Construction and Materials	2	0.71	23	3.82	-3.11
5020	Industrial Goods and Services	18	6.89	92	14.26	-7.38
5510	Basic Resources	1	0.70	19	2.41	-1.71
5520	Chemicals	6	3.66	18	2.46	1.19
6010	Energy	4	6.91	17	5.24	1.67
6510	Utilities	9	9.11	27	4.04	5.07
<b>Totals</b>		<b>112</b>	<b>100.00</b>	<b>517</b>	<b>100.00</b>	

Index Characteristics

Attributes	FTSE RAFI Developed Europe Low Volatility	FTSE Developed Europe
Number of constituents	112	517
Dividend Yield %	4.20	3.19
Constituent (Wgt %)		
Average	0.89	0.19
Largest	5.51	3.07
Median	0.43	0.07
Top 10 Holdings (Wgt %)	40.55	20.57



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