

# FTSE Developed Europe Minimum Variance Indices

Data as at: 31 October 2024

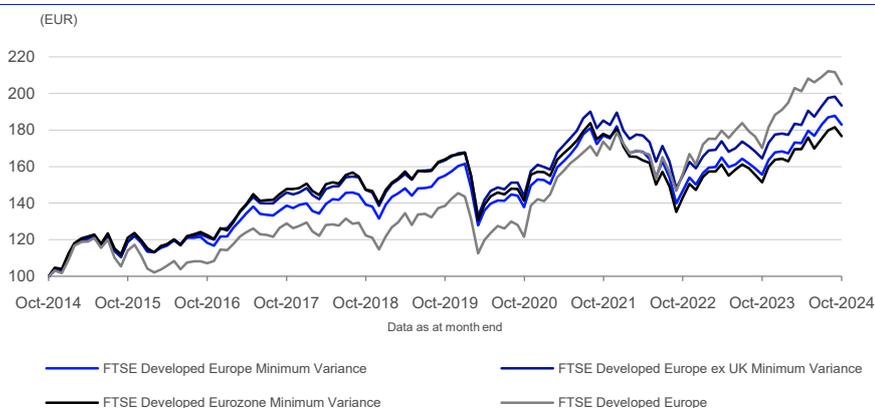
The FTSE Global Minimum Variance Index Series aims to deliver reduced index volatility based on historical return information, thereby offering potential improvements to the risk reward trade-off, whilst maintaining full allocation to the relevant equity market.

Reduced volatility is achieved by applying a transparent rules-based approach which minimizes historical variance subject to additional constraints on the weight of individual stocks within an index, and, at aggregate level on the weight of countries and industries represented in the index.

Constituents are selected from the corresponding underlying universe of the FTSE All-World Index Series at the time of the bi-annual review and aspects such as index reviews and company classification are governed by the FTSE All-World Index Series Ground Rules.

There is also a UK-specific index - the FTSE 100 Minimum Variance Index - which is based on the FTSE 100 and has its own rules. See [www.ftse.com](http://www.ftse.com) for more information.

## 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 Developed Europe Minimum Variance	0.0	5.9	9.1	17.6	3.4	18.0	1.1	3.4	7.8	11.1	14.2
FTSE Developed Europe ex UK Minimum Variance	0.2	5.9	8.9	17.6	4.4	18.4	1.5	3.4	7.7	10.8	14.2
FTSE Developed Eurozone Minimum Variance	0.8	4.3	7.9	16.7	-0.6	7.8	-0.2	1.5	8.3	11.5	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

## FEATURES

### Methodology

The approach applies a rules-based strategy to minimise volatility. Some constraints are applied, for example, to avoid over concentration in any particular stock, sector or country.

### Objective

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

### Investability

Stocks in the underlying universe are free-float weighted to ensure that only the investable opportunity set is included.

### Liquidity

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

### Transparency

The indexes use a transparent, methodologies-based construction process. Index methodologies are freely available on the FTSE Russell website.

### Availability

The indexes are calculated based on price and total return methodologies, both real time and end-of-day.

### Industry Classification Benchmark (ICB)

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**

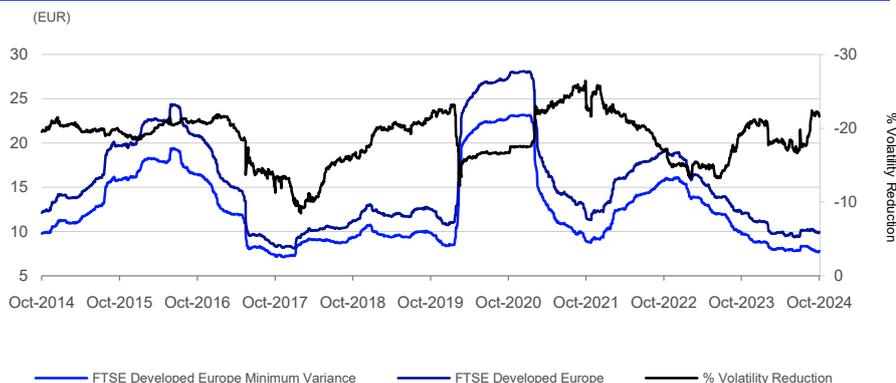
Index % (EUR)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
FTSE Developed Europe Minimum Variance	10.0	14.7	3.0	14.1	-5.5	22.0	-4.6	19.0	-17.5	11.7
FTSE Developed Europe ex UK Minimum Variance	8.8	15.3	5.9	15.7	-5.0	20.7	-3.7	17.8	-16.1	11.6
FTSE Developed Eurozone Minimum Variance	7.5	15.0	5.5	17.4	-5.6	19.1	-5.6	14.9	-18.5	11.2
FTSE Developed Europe	7.4	9.3	3.1	11.1	-10.1	26.9	-2.2	25.5	-9.7	16.9

**Return/Risk Ratio and Drawdown - Total Return**

Index (EUR)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Developed Europe Minimum Variance	2.2	0.1	0.2	0.5	-4.2	-24.4	-32.5	-32.5
FTSE Developed Europe ex UK Minimum Variance	2.2	0.1	0.2	0.6	-3.9	-23.6	-31.6	-31.6
FTSE Developed Eurozone Minimum Variance	1.9	0.0	0.1	0.5	-5.3	-27.4	-33.2	-33.2
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

**Annualised Rolling 252 Volatility - Total Return**



**Top 10 Constituents - FTSE Developed Europe Minimum Variance Index**

Constituent	Country/Market	ICB Sector	FTSE Developed Europe Minimum Variance (Wgt %)	FTSE Developed Europe (Wgt %)	Diff %
Argenx S.E	Belgium	Pharmaceuticals and Biotechnology	0.81	0.31	0.49
Swisscom	Switzerland	Telecommunications Service Providers	0.79	0.14	0.65
Royal KPN	Netherlands	Telecommunications Service Providers	0.77	0.13	0.64
Orange	France	Telecommunications Service Providers	0.77	0.19	0.58
Haleon	UK	Pharmaceuticals and Biotechnology	0.72	0.32	0.39
Beiersdorf	Germany	Personal Care Drug and Grocery Stores	0.71	0.12	0.59
Barry Callebaut	Switzerland	Food Producers	0.71	0.06	0.65
Unilever	UK	Personal Care Drug and Grocery Stores	0.70	1.34	-0.64
Danone	France	Food Producers	0.70	0.40	0.30
Deutsche Telekom	Germany	Telecommunications Service Providers	0.69	0.91	-0.21
<b>Totals</b>			<b>7.37</b>	<b>3.92</b>	

**INFORMATION**

**Index Universe**

FTSE Developed Europe Index

**Index Launch**

July 2012

**Base Date**

18 June 2012

**Base Value**

100

**Investability Screen**

Actual free float applied and liquidity screened

**Index Calculation**

Real time and end of day

**End-of-Day Distribution**

Via FTP and email

**Currency**

USD, Euro, GBP, JPY, AUD, Local

**Review Dates**

March and September

**History**

Available from September 2001

## Country/Market Breakdown - Developed Europe

Country/Market	FTSE Developed Europe Minimum Variance		FTSE Developed Europe		Diff %
	No. of Cons	Wgt %	No. of Cons	Wgt %	
Austria	6	1.38	7	0.34	1.03
Belgium	9	3.55	13	1.58	1.97
Denmark	14	4.36	19	4.85	-0.49
Finland	12	3.66	14	1.57	2.08
France	46	12.82	67	16.36	-3.54
Germany	51	13.26	67	13.61	-0.36
Ireland	4	1.61	5	0.45	1.16
Italy	29	4.68	36	4.69	-0.01
Netherlands	25	6.89	29	6.54	0.35
Norway	14	4.20	16	0.95	3.25
Poland	5	0.97	10	0.49	0.48
Portugal	4	1.48	4	0.26	1.22
Spain	19	6.24	24	4.37	1.87
Sweden	17	3.33	53	5.05	-1.73
Switzerland	41	14.74	53	14.84	-0.10
UK	62	16.85	100	24.05	-7.20
<b>Totals</b>	<b>358</b>	<b>100.00</b>	<b>517</b>	<b>100.00</b>	

## Country/Market Breakdown - Developed Eurozone

Country/Market	FTSE Developed Eurozone Minimum Variance		FTSE Eurozone		Diff %
	No. of Cons	Wgt %	No. of Cons	Wgt %	
Austria	7	2.33	7	0.68	1.65
Belgium	10	6.35	13	3.14	3.21
Finland	13	6.66	14	3.14	3.53
France	52	24.72	67	32.60	-7.89
Germany	51	23.22	67	27.14	-3.91
Greece	-	-	29	0.81	-0.81
Ireland	4	2.91	5	0.89	2.02
Italy	29	8.67	36	9.34	-0.67
Netherlands	25	11.94	29	13.03	-1.09
Portugal	4	2.48	4	0.51	1.98
Spain	20	10.70	24	8.71	1.99
<b>Totals</b>	<b>215</b>	<b>100.00</b>	<b>295</b>	<b>100.00</b>	

## ICB Supersector Breakdown

ICB Code	ICB Supersector	FTSE Developed Europe Minimum Variance		FTSE Developed Europe		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
1010	Technology	16	2.61	22	7.48	-4.86
1510	Telecommunications	18	6.51	19	2.76	3.75
2010	Health Care	41	12.56	51	15.84	-3.28
3010	Banks	28	5.32	40	9.67	-4.35
3020	Financial Services	11	2.51	28	4.17	-1.66
3030	Insurance	27	8.34	30	5.77	2.56
3510	Real Estate	6	1.69	21	1.17	0.51
4010	Automobiles and Parts	9	1.66	13	2.06	-0.39
4020	Consumer Products and Services	13	3.10	26	5.64	-2.54
4030	Media	11	2.95	11	1.97	0.98
4040	Retailers	4	0.66	10	1.05	-0.38
4050	Travel and Leisure	7	1.88	10	1.09	0.79
4510	Food Beverage and Tobacco	27	11.80	27	6.20	5.60
4520	Personal Care Drug and Grocery Stores	12	5.95	13	2.91	3.04
5010	Construction and Materials	13	2.74	23	3.82	-1.08
5020	Industrial Goods and Services	52	13.04	92	14.26	-1.22
5510	Basic Resources	8	1.63	19	2.41	-0.78
5520	Chemicals	14	3.22	18	2.46	0.75
6010	Energy	15	4.70	17	5.24	-0.55
6510	Utilities	26	7.14	27	4.04	3.11
<b>Totals</b>		<b>358</b>	<b>100.00</b>	<b>517</b>	<b>100.00</b>	

## Index Characteristics

Attributes	FTSE Developed Europe Minimum Variance	FTSE Developed Europe ex UK Minimum Variance	FTSE Developed Eurozone Minimum Variance
Number of constituents	358	283	215
Dividend Yield %	3.62	3.54	3.62
Constituent (Wgt %)			
Average	0.28	0.35	0.47
Largest	0.81	1.04	1.40
Median	0.25	0.31	0.42
Top 10 Holdings (Wgt %)	7.37	8.93	12.12

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