

# FTSE Developed Asia Pacific Minimum Variance Indices

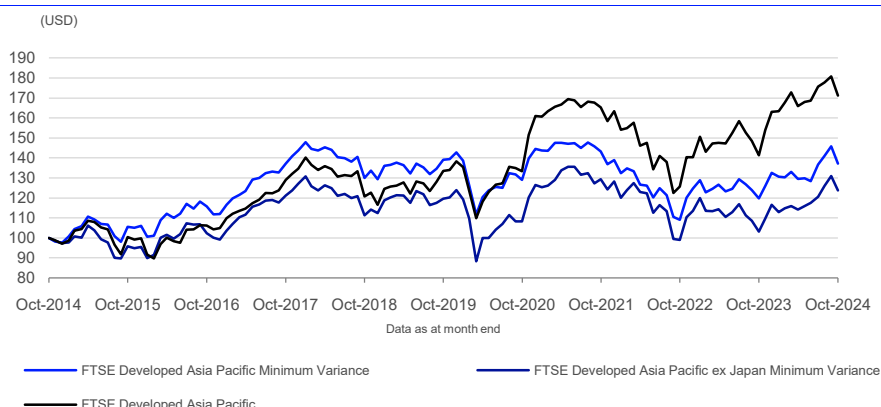
Data as at: 31 October 2024

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.

## 10-Year Performance - Total Return



## Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE Developed Asia Pacific Minimum Variance	0.3	5.9	3.5	14.5	-4.3	-1.4	-1.5	-0.3	12.1	12.4	14.4
FTSE Developed Asia Pacific ex Japan Minimum Variance	2.6	8.4	6.1	20.0	-4.3	3.5	-1.4	0.7	11.7	14.4	18.9
FTSE Developed Asia Pacific	-2.5	3.2	5.0	21.1	3.6	28.2	1.2	5.1	18.0	16.4	17.0

\* 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 % (USD)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
FTSE Developed Asia Pacific Minimum Variance	4.2	8.8	5.6	28.3	-10.0	10.4	1.2	-3.9	-10.2	6.3
FTSE Developed Asia Pacific ex Japan Minimum Variance	8.0	-2.0	3.9	28.2	-11.6	10.3	2.1	1.4	-11.5	2.7
FTSE Developed Asia Pacific	-3.2	2.8	5.2	28.3	-13.4	18.6	16.4	1.5	-14.2	16.2

## 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 indices 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 indices are tradable.

### Transparency

Index rules are freely available on the FTSE website.

### Availability

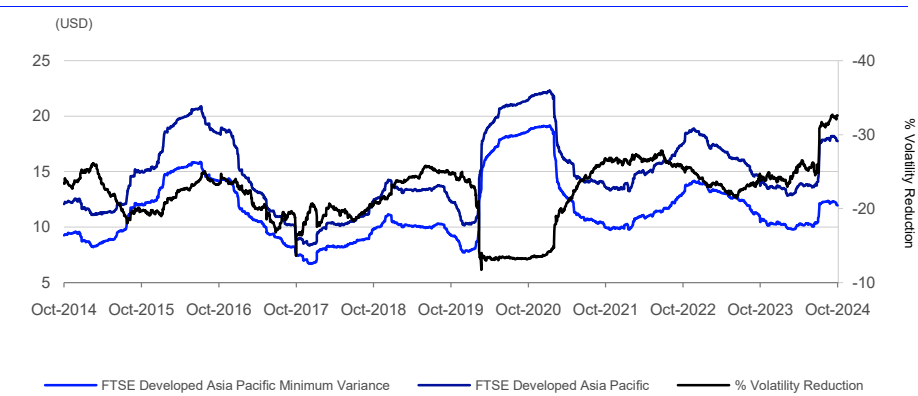
The indices are calculated based on price and total return methodologies, both real time and end-of-day.

### 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 Volatility - Total Return



Top 10 Constituents - FTSE Developed Asia Pacific Minimum Variance Index

Constituent	Country/Market	ICB Sector	FTSE Developed Asia Pacific Minimum Variance (Wgt %)	FTSE Developed Asia Pacific (Wgt %)	Diff %
Jardine Matheson Holdings	Hong Kong	General Industrials	0.60	0.10	0.50
Infratil	New Zealand	Electricity	0.52	0.10	0.42
Contact Energy	New Zealand	Electricity	0.49	0.05	0.44
McDonald's Holdings (Japan)	Japan	Travel and Leisure	0.49	0.05	0.44
PCCW	Hong Kong	Telecommunications Service Providers	0.48	0.03	0.45
Hongkong Land Holdings	Hong Kong	Real Estate Investment and Services Development	0.48	0.06	0.41
NetLink NBN Trust	Singapore	Telecommunications Service Providers	0.48	0.03	0.45
Mercury NZ	New Zealand	Electricity	0.47	0.04	0.43
ComfortDelGro	Singapore	Industrial Transportation	0.44	0.03	0.41
Korea Zinc	Korea	Precious Metals and Mining	0.42	0.09	0.33
Totals			4.87	0.58	

Country/Market Breakdown

Country/Market	FTSE Developed Asia Pacific Minimum Variance		FTSE Developed Asia Pacific		Diff %
	No. of Cons	Wgt %	No. of Cons	Wgt %	
Australia	71	13.68	104	18.95	-5.27
Hong Kong	57	11.24	70	5.39	5.86
Japan	294	49.50	496	60.40	-10.90
Korea	86	12.02	157	11.21	0.81
New Zealand	13	4.64	13	0.72	3.92
Singapore	35	8.91	35	3.33	5.58
Totals	556	100.00	875	100.00	

INFORMATION

Index Universe

FTSE Developed Asia Pacific 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



ICB Supersector Breakdown

		FTSE Developed Asia Pacific Minimum Variance		FTSE Developed Asia Pacific		
ICB Code	ICB Supersector	No. of Cons	Wgt %	No. of Cons	Wgt %	Diff %
1010	Technology	34	4.70	81	9.03	-4.33
1510	Telecommunications	14	4.20	17	6.06	-1.86
2010	Health Care	33	6.68	51	7.55	-0.87
3010	Banks	25	4.46	44	12.67	-8.21
3020	Financial Services	12	2.20	28	3.16	-0.95
3030	Insurance	15	2.66	22	4.55	-1.88
3510	Real Estate	65	14.74	76	4.82	9.91
4010	Automobiles and Parts	21	2.22	38	6.28	-4.06
4020	Consumer Products and Services	32	3.45	56	5.27	-1.82
4030	Media	9	1.32	12	0.31	1.01
4040	Retailers	26	3.43	28	2.45	0.98
4050	Travel and Leisure	31	5.67	40	1.99	3.68
4510	Food Beverage and Tobacco	45	10.80	47	2.66	8.14
4520	Personal Care Drug and Grocery Stores	27	5.89	27	2.21	3.68
5010	Construction and Materials	17	2.38	32	1.73	0.65
5020	Industrial Goods and Services	84	13.09	161	18.63	-5.54
5510	Basic Resources	8	1.23	30	4.44	-3.21
5520	Chemicals	22	2.53	38	2.55	-0.02
6010	Energy	11	2.64	19	1.61	1.03
6510	Utilities	25	5.74	28	2.05	3.70
Totals		556	100.00	875	100.00	

Index Characteristics

Attributes	FTSE Developed Asia Pacific Minimum Variance	FTSE Developed Asia Pacific ex Japan Minimum Variance
Number of constituents	556	214
Dividend Yield %	3.68	4.58
Constituent (Wgt %)		
Average	0.18	0.47
Largest	0.60	1.43
Median	0.16	0.41
Top 10 Holdings (Wgt %)	4.87	11.93



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