

FTSE Infrastructure Index Series

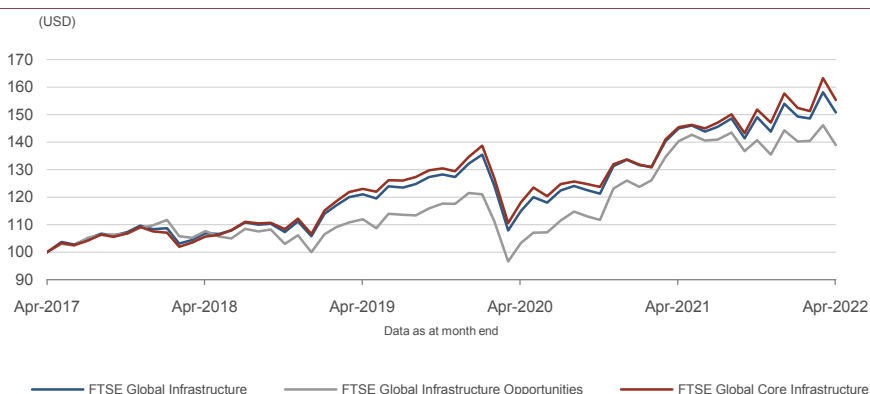
Data as at: 29 April 2022

The FTSE Infrastructure Index Series is a comprehensive set of nine cap-weighted indices, diversified across six FTSE-defined infrastructure sub-sectors, to reflect the performance of infrastructure and infrastructure-related listed securities worldwide.

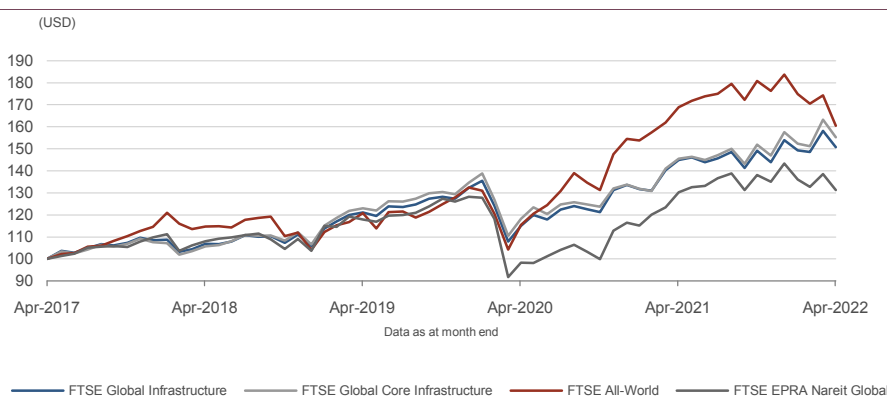
The Index Series uses a building block approach to give investors greater choice and flexibility in the way they can benchmark, research and manage their exposure to global infrastructure. Infrastructure is defined by FTSE as companies that own, manage or operate structures or networks, which are used for the processing or movement of goods, services, information/data, people, energy and necessities. This definition forms the basis for the FTSE Core Infrastructure Sectors and the FTSE Core Infrastructure Indices.

FTSE further expands the definition of infrastructure from the structures and networks to include the conveyance of goods, services, information/data, people, energy and necessities. This forms the basis for the FTSE Infrastructure-Related Sectors and the FTSE Infrastructure Opportunities Indices.

5-Year Performance - Total Return



FTSE Global Infrastructure Indices against FTSE All-World and FTSE EPRA Nareit Global 5-Year Performance - Total Return



FEATURES

Coverage

Constituents are selected from the FTSE Global All Cap Index using FTSE Russell's definition of infrastructure. FTSE Russell applies minimum infrastructure revenue thresholds of 65% for constituents of the Core Infrastructure indexes and 20% for constituents of the Infrastructure Opportunities indexes.

Market Cap Adjustment

FTSE applies a 10% market cap adjustment across all constituents of the Infrastructure-related sectors to reduce excessive concentration in individual sectors and provide a more balanced exposure.

Objective

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

Investability

Stocks are selected and weighted to ensure that the index is investable.

Liquidity

Stocks are screened to ensure that the index is tradable.

Transparency

Index methodologies are freely available on the FTSE Russell website.

Availability

The indexes are calculated based on price and total return methodologies, on an end-of-day basis.

Industry Classification Benchmark (ICB)

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis. Constituents are screened according to ICB Subsectors that meet FTSE's definition of infrastructure.

Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE Global Infrastructure	1.1	1.2	-2.0	4.1	24.6	50.8	7.6	8.6	10.4	17.6	13.3
FTSE Global Infrastructure Opportunities	-0.9	-1.3	-3.7	-1.0	24.0	38.9	7.4	6.8	10.5	17.0	13.5
FTSE Global Core Infrastructure	1.9	2.3	-1.5	6.8	26.2	55.3	8.1	9.2	10.8	17.8	13.4
FTSE Global All Cap	-8.1	-11.6	-12.7	-5.7	32.1	58.9	9.7	9.7	13.3	19.9	16.1
FTSE All-World	-8.2	-11.2	-12.6	-5.0	32.9	60.5	9.9	9.9	13.2	19.4	15.7

* 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)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
FTSE Global Infrastructure	9.7	17.2	15.3	-9.3	12.1	16.9	-2.4	24.9	1.0	15.2
FTSE Global Infrastructure Opportunities	10.1	19.9	5.6	-7.5	11.8	16.4	-8.9	21.6	3.7	14.5
FTSE Global Core Infrastructure	9.9	17.1	18.9	-10.6	13.1	16.9	-0.9	26.3	-0.7	17.8
FTSE Global All Cap	17.2	23.9	4.5	-1.7	9.0	24.4	-9.6	27.1	16.8	18.5
FTSE All-World	17.1	23.3	4.8	-1.7	8.6	24.6	-9.1	27.2	16.6	18.9

Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Global Infrastructure	0.4	0.5	0.6	0.8	-6.5	-34.5	-34.5	-34.5
FTSE Global Infrastructure Opportunities	-0.1	0.5	0.5	0.6	-6.8	-32.7	-32.7	-32.7
FTSE Global Core Infrastructure	0.6	0.5	0.7	0.8	-6.9	-35.3	-35.3	-35.3
FTSE Global All Cap	-0.5	0.5	0.6	0.7	-13.5	-34.3	-34.3	-34.3
FTSE All-World	-0.4	0.5	0.6	0.7	-13.4	-33.7	-33.7	-33.7

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

Drawdown - based on daily data

FTSE Global Infrastructure Index - Top 10 Constituents

Constituent	Country	ICB Subsector	Net MCap (USDm)	Wgt %
Union Pacific Corp	USA	Railroads	150,443	4.61
NextEra Energy Inc	USA	Conventional Electricity	139,107	4.26
American Tower Corp	USA	Infrastructure REITs	108,648	3.33
Enbridge	Canada	Pipelines	88,710	2.72
Duke Energy Corp	USA	Multi-utilities	84,653	2.59
Crown Castle Intl Corp	USA	Infrastructure REITs	79,685	2.44
Southern Co	USA	Conventional Electricity	77,529	2.38
CSX Corp	USA	Railroads	75,808	2.32
Canadian National Railway	Canada	Railroads	69,934	2.14
Iberdrola	Spain	Conventional Electricity	69,615	2.13
Totals			944,133	28.93

INFORMATION**Index Universe**

FTSE Global All Cap Index

Index Launch

31 March 2011

Base Date

16 December 2005

Base Value

1000

Investability Screen

Actual free float applied and liquidity screened

Index Calculation

End-of-day

End-of-Day Distribution

Via FTP and email

Currency

USD, EUR, GBP, JPY and AUD

Review Dates

Semi-annually in March & September

History

Available from December 2005

Fundamental Research

Fundamental research on the constituents of the FTSE Infrastructure Index Series is provided by LPX Group.

LPX Group Website

www.lpx-group.com

ICB Subsector Breakdown

ICB Code	ICB Subsector	FTSE Global Infrastructure			FTSE Global Infrastructure Opportunities			FTSE Global Core Infrastructure		
		No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
15101010	Telecommunications Equipment	23	19,630	0.60	23	48,451	0.83	8	16,428	0.63
15102015	Telecommunications Services	118	171,870	5.27	118	1,250,640	21.37	12	52,007	1.99
35102025	Infrastructure REITs	4	228,270	6.99	4	228,270	3.90	4	228,270	8.73
40501010	Airlines	45	7,923	0.24	45	79,231	1.35	-	-	-
40501015	Travel and Tourism	14	7,934	0.24	14	13,212	0.23	4	2,934	0.11
50101010	Construction	105	19,070	0.58	105	176,363	3.01	1	1,593	0.06
50101015	Engineering and Contracting Services	41	11,805	0.36	41	118,046	2.02	-	-	-
50101030	Cement	66	16,237	0.50	66	162,368	2.77	-	-	-
50101035	Building Materials: Other	22	15,059	0.46	22	150,587	2.57	-	-	-
50205020	Professional Business Support Services	2	376	0.01	2	3,760	0.06	-	-	-
50206010	Trucking	17	12,537	0.38	17	125,370	2.14	-	-	-
50206020	Railroads	21	526,248	16.12	21	529,071	9.04	12	492,359	18.84
50206030	Marine Transportation	48	14,588	0.45	48	145,881	2.49	-	-	-
50206040	Delivery Services	24	25,571	0.78	24	255,705	4.37	-	-	-
50206060	Transportation Services	69	144,223	4.42	69	173,904	2.97	53	136,613	5.23
55102010	Iron and Steel	93	33,890	1.04	93	338,897	5.79	-	-	-
55102035	Aluminum	20	4,986	0.15	20	49,859	0.85	-	-	-
60101035	Pipelines	14	351,341	10.77	14	351,341	6.00	12	343,011	13.12
65101015	Conventional Electricity	76	1,107,534	33.94	76	1,107,534	18.92	67	869,540	33.27
65102000	Multi-utilities	17	315,559	9.67	17	315,559	5.39	13	284,809	10.90
65102020	Gas Distribution	38	128,977	3.95	38	128,977	2.20	30	104,689	4.01
65102030	Water	25	99,982	3.06	25	100,161	1.71	22	81,534	3.12
Totals		902	3,263,610	100.00	902	5,853,189	100.00	238	2,613,788	100.00

Country Breakdown

Country	FTSE Global Infrastructure			FTSE Global Infrastructure Opportunities			FTSE Global Core Infrastructure		
	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
Australia	20	55,039	1.69	20	94,217	1.61	5	50,686	1.94
Austria	7	1,799	0.06	7	7,043	0.12	2	1,216	0.05
Belgium	8	6,536	0.20	8	14,805	0.25	1	5,618	0.21
Brazil	28	35,012	1.07	28	117,370	2.01	14	25,862	0.99
Canada	20	359,543	11.02	20	422,832	7.22	10	346,128	13.24
Chile	9	3,896	0.12	9	7,036	0.12	4	2,893	0.11
China	140	55,964	1.71	140	140,176	2.39	40	43,236	1.65
Colombia	2	2,484	0.08	2	3,150	0.05	1	2,409	0.09
Czech Rep.	1	6,780	0.21	1	6,780	0.12	-	-	-
Denmark	6	6,301	0.19	6	63,013	1.08	-	-	-
Egypt	1	30	0.00	1	301	0.01	-	-	-
Finland	5	1,200	0.04	5	12,001	0.21	-	-	-
France	16	67,858	2.08	16	174,923	2.99	4	17,863	0.68
Germany	12	18,197	0.56	12	132,510	2.26	3	5,496	0.21
Greece	7	2,849	0.09	7	7,723	0.13	3	2,307	0.09
Hong Kong	15	50,632	1.55	15	61,297	1.05	6	49,447	1.89
Hungary	1	41	0.00	1	407	0.01	-	-	-
India	48	55,853	1.71	48	163,299	2.79	13	43,915	1.68
Indonesia	14	7,437	0.23	14	25,053	0.43	4	5,479	0.21
Israel	6	706	0.02	6	7,064	0.12	-	-	-
Italy	15	100,154	3.07	15	106,854	1.83	6	43,157	1.65
Japan	119	158,900	4.87	119	434,300	7.42	18	89,151	3.41
Korea	34	12,318	0.38	34	71,839	1.23	3	5,704	0.22
Kuwait	1	470	0.01	1	4,695	0.08	-	-	-
Malaysia	15	13,374	0.41	15	32,669	0.56	3	9,006	0.34
Mexico	12	18,582	0.57	12	52,773	0.90	5	14,783	0.57
Netherlands	7	3,701	0.11	7	37,013	0.63	-	-	-
New Zealand	8	10,414	0.32	8	24,433	0.42	3	8,856	0.34
Norway	8	2,538	0.08	8	25,378	0.43	-	-	-
Pakistan	2	63	0.00	2	629	0.01	-	-	-
Philippines	8	8,264	0.25	8	13,452	0.23	4	7,687	0.29
Poland	1	101	0.00	1	1,006	0.02	-	-	-
Portugal	2	1,240	0.04	2	1,847	0.03	1	1,173	0.04
Qatar	4	680	0.02	4	6,797	0.12	-	-	-
Saudi Arabia	16	9,233	0.28	16	41,545	0.71	1	5,643	0.22
Singapore	8	7,120	0.22	8	28,397	0.49	2	3,328	0.13
South Africa	7	2,849	0.09	7	28,493	0.49	-	-	-
Spain	14	131,941	4.04	14	178,852	3.06	5	57,114	2.19
Sweden	11	3,738	0.11	11	37,377	0.64	-	-	-
Switzerland	8	13,833	0.42	8	109,209	1.87	1	3,235	0.12
Taiwan	33	11,567	0.35	33	97,867	1.67	1	1,978	0.08
Thailand	23	18,350	0.56	23	38,061	0.65	8	16,159	0.62
Turkey	16	1,628	0.05	16	9,801	0.17	2	719	0.03
UAE	3	4,155	0.13	3	35,193	0.60	1	707	0.03
UK	25	121,721	3.73	25	221,870	3.79	6	84,553	3.23
USA	136	1,868,520	57.25	136	2,751,837	47.01	58	1,658,278	63.44
Totals	902	3,263,610	100.00	902	5,853,189	100.00	238	2,613,788	100.00

Index Characteristics

Attributes	FTSE Global Infrastructure	FTSE Global Infrastructure Opportunities	FTSE Global Core Infrastructure
Number of constituents	902	902	238
Net MCap (USDm)	3,263,610	5,853,189	2,613,788
Dividend Yield %	3.04	3.30	2.95
Constituent Sizes (Net MCap USDm)			
Average	3,618	6,489	10,982
Largest	150,443	194,317	150,443
Smallest	3	31	49
Median	219	1,319	2,749
Weight of Largest Constituent (%)	4.61	3.32	5.76
Top 10 Holdings (% Index MCap)	28.93	20.29	36.07

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