

FTSE Infrastructure Index Series

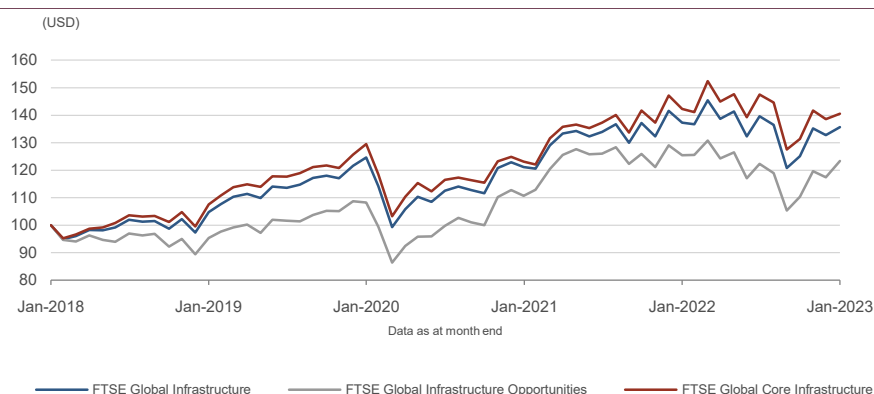
Data as at: 31 January 2023

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	8.4	-2.8	2.2	-1.2	8.9	35.6	2.9	6.3	16.1	19.8	15.4
FTSE Global Infrastructure Opportunities	11.7	0.8	5.0	-1.7	13.9	23.3	4.4	4.3	15.2	19.1	15.8
FTSE Global Core Infrastructure	7.0	-4.7	1.4	-1.2	8.5	40.5	2.8	7.0	16.6	20.0	15.5
FTSE Global All Cap	11.2	3.0	7.3	-7.1	23.5	32.9	7.3	5.9	19.1	22.0	18.2
FTSE All-World	11.2	2.8	7.1	-7.4	23.6	33.8	7.3	6.0	18.9	21.5	17.9

* 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)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
FTSE Global Infrastructure	17.2	15.3	-9.3	12.1	16.9	-2.4	24.9	1.0	15.2	-6.2
FTSE Global Infrastructure Opportunities	19.9	5.6	-7.5	11.8	16.4	-8.9	21.6	3.7	14.5	-9.0
FTSE Global Core Infrastructure	17.1	18.9	-10.6	13.1	16.9	-0.9	26.3	-0.7	17.8	-5.8
FTSE Global All Cap	23.9	4.5	-1.7	9.0	24.4	-9.6	27.1	16.8	18.5	-17.9
FTSE All-World	23.3	4.8	-1.7	8.6	24.6	-9.1	27.2	16.6	18.9	-17.7

Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Global Infrastructure	-0.1	0.1	0.4	0.6	-20.9	-34.5	-34.5	-34.5
FTSE Global Infrastructure Opportunities	-0.1	0.2	0.3	0.5	-21.8	-32.7	-32.7	-32.7
FTSE Global Core Infrastructure	-0.1	0.1	0.5	0.6	-20.6	-35.3	-35.3	-35.3
FTSE Global All Cap	-0.4	0.3	0.3	0.6	-23.4	-34.3	-34.3	-34.3
FTSE All-World	-0.4	0.3	0.3	0.6	-23.5	-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 %
NextEra Energy Inc	USA	Conventional Electricity	148,065	4.78
Union Pacific Corp	USA	Railroads	125,365	4.04
American Tower Corp	USA	Infrastructure REITs	103,543	3.34
Enbridge	Canada	Pipelines	82,600	2.66
Duke Energy Corp	USA	Multi-utilities	78,800	2.54
Southern Co	USA	Conventional Electricity	73,517	2.37
Canadian Pacific Railway	Canada	Railroads	73,065	2.36
Canadian National Railway	Canada	Railroads	71,641	2.31
Iberdrola	Spain	Conventional Electricity	70,649	2.28
CSX Corp	USA	Railroads	64,872	2.09
Totals			892,117	28.77

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

		FTSE Global Infrastructure			FTSE Global Infrastructure Opportunities			FTSE Global Core Infrastructure		
ICB Code	ICB Subsector	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
15101010	Telecommunications Equipment	29	15,697	0.51	29	54,259	0.97	7	11,412	0.46
15102015	Telecommunications Services	117	160,275	5.17	117	1,149,577	20.54	13	50,352	2.03
35102025	Infrastructure REITs	5	202,746	6.54	5	202,746	3.62	5	202,746	8.19
40501010	Airlines	43	7,976	0.26	43	79,763	1.42	-	-	-
40501015	Travel and Tourism	12	7,719	0.25	12	11,251	0.20	4	3,534	0.14
50101010	Construction	103	19,901	0.64	103	179,915	3.21	1	2,121	0.09
50101015	Engineering and Contracting Services	40	11,366	0.37	40	113,664	2.03	-	-	-
50101030	Cement	67	16,522	0.53	67	165,215	2.95	-	-	-
50101035	Building Materials: Other	23	14,338	0.46	23	143,383	2.56	-	-	-
50205020	Professional Business Support Services	3	1,904	0.06	3	19,043	0.34	-	-	-
50206010	Trucking	16	9,943	0.32	16	99,426	1.78	-	-	-
50206020	Railroads	21	491,735	15.86	21	494,617	8.84	12	455,055	18.38
50206030	Marine Transportation	51	11,548	0.37	51	115,480	2.06	-	-	-
50206040	Delivery Services	23	26,334	0.85	23	263,341	4.70	-	-	-
50206060	Transportation Services	71	141,369	4.56	71	199,540	3.56	54	130,127	5.26
55102010	Iron and Steel	91	34,145	1.10	91	341,448	6.10	-	-	-
55102035	Aluminum	20	4,210	0.14	20	42,098	0.75	-	-	-
60101035	Pipelines	14	339,849	10.96	14	339,849	6.07	12	331,606	13.40
65101015	Conventional Electricity	77	1,056,649	34.08	77	1,056,649	18.88	68	833,105	33.66
65102000	Multi-utilities	16	298,582	9.63	16	298,582	5.33	13	267,680	10.81
65102020	Gas Distribution	36	128,471	4.14	36	128,471	2.29	29	106,544	4.30
65102030	Water	25	99,467	3.21	25	99,692	1.78	22	80,960	3.27
Totals		903	3,100,744	100.00	903	5,598,008	100.00	240	2,475,243	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	54,220	1.75	20	88,154	1.57	5	50,449	2.04
Austria	7	1,801	0.06	7	7,816	0.14	2	1,132	0.05
Belgium	8	5,976	0.19	8	12,525	0.22	1	5,248	0.21
Brazil	28	35,653	1.15	28	118,354	2.11	14	26,464	1.07
Canada	19	340,164	10.97	19	382,290	6.83	10	330,288	13.34
Chile	8	5,209	0.17	8	7,648	0.14	4	3,770	0.15
China	144	59,764	1.93	144	151,747	2.71	42	46,253	1.87
Colombia	2	1,841	0.06	2	2,146	0.04	1	1,807	0.07
Denmark	6	4,989	0.16	6	49,886	0.89	-	-	-
Egypt	1	31	0.00	1	310	0.01	-	-	-
Finland	5	1,182	0.04	5	11,821	0.21	-	-	-
France	16	69,273	2.23	16	179,501	3.21	4	15,190	0.61
Germany	12	19,892	0.64	12	147,385	2.63	3	5,727	0.23
Greece	7	2,704	0.09	7	6,795	0.12	3	2,250	0.09
Hong Kong	15	42,960	1.39	15	53,707	0.96	5	41,766	1.69
Hungary	1	38	0.00	1	385	0.01	-	-	-
India	52	46,527	1.50	52	145,239	2.59	14	35,559	1.44
Indonesia	15	5,491	0.18	15	22,300	0.40	4	3,623	0.15
Israel	6	623	0.02	6	6,227	0.11	-	-	-
Italy	13	78,710	2.54	13	85,552	1.53	5	29,595	1.20
Japan	118	161,999	5.22	118	428,089	7.65	18	89,526	3.62
Korea	34	11,105	0.36	34	60,261	1.08	3	5,643	0.23
Kuwait	1	383	0.01	1	3,835	0.07	-	-	-
Malaysia	15	13,606	0.44	15	32,862	0.59	3	9,218	0.37
Mexico	13	21,529	0.69	13	59,148	1.06	5	17,349	0.70
Netherlands	6	3,088	0.10	6	30,876	0.55	-	-	-
New Zealand	8	11,027	0.36	8	23,968	0.43	3	9,589	0.39
Norway	7	2,126	0.07	7	21,257	0.38	-	-	-
Pakistan	2	31	0.00	2	309	0.01	-	-	-
Philippines	8	7,171	0.23	8	11,077	0.20	4	6,737	0.27
Poland	1	106	0.00	1	1,060	0.02	-	-	-
Portugal	2	1,108	0.04	2	1,587	0.03	1	1,055	0.04
Qatar	4	700	0.02	4	7,001	0.13	-	-	-
Saudi Arabia	16	7,675	0.25	16	33,602	0.60	1	4,794	0.19
Singapore	7	5,291	0.17	7	26,078	0.47	2	2,981	0.12
South Africa	7	2,221	0.07	7	22,214	0.40	-	-	-
Spain	14	123,959	4.00	14	167,994	3.00	5	48,417	1.96
Sweden	11	3,157	0.10	11	31,567	0.56	-	-	-
Switzerland	8	13,635	0.44	8	105,523	1.89	1	3,425	0.14
Taiwan	34	9,248	0.30	34	74,251	1.33	1	2,025	0.08
Thailand	23	19,608	0.63	23	38,190	0.68	7	17,543	0.71
Turkey	16	2,721	0.09	16	16,697	0.30	2	1,169	0.05
UAE	4	6,569	0.21	4	29,708	0.53	2	3,998	0.16
UK	24	108,034	3.48	24	191,779	3.43	7	75,775	3.06
USA	135	1,787,601	57.65	135	2,699,289	48.22	58	1,576,879	63.71
Totals	903	3,100,744	100.00	903	5,598,008	100.00	240	2,475,243	100.00

Index Characteristics

Attributes	FTSE Global Infrastructure	FTSE Global Infrastructure Opportunities	FTSE Global Core Infrastructure
Number of constituents	903	903	240
Net MCap (USDm)	3,100,744	5,598,008	2,475,243
Dividend Yield %	3.31	3.56	3.24
Constituent Sizes (Net MCap USDm)			
Average	3,434	6,199	10,314
Largest	148,065	174,547	148,065
Smallest	3	25	58
Median	204	1,227	2,646
Weight of Largest Constituent (%)	4.78	3.12	5.98
Top 10 Holdings (% Index MCap)	28.77	20.70	35.77

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