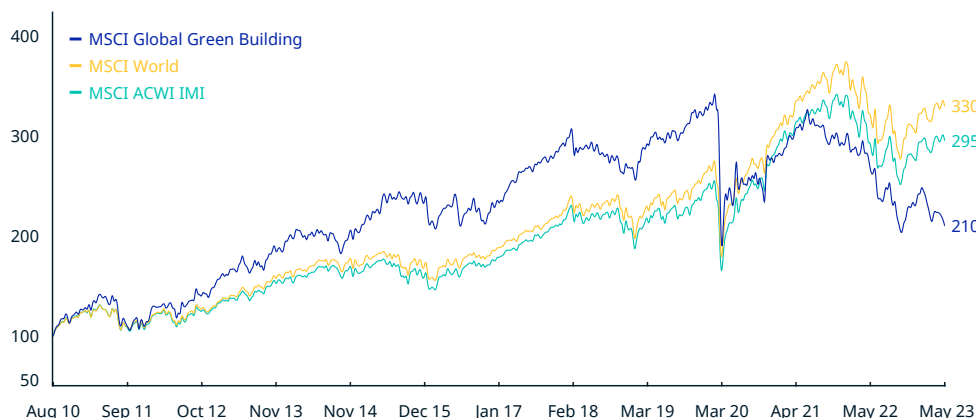


# MSCI Global Green Building Index (USD)

The MSCI Global Green Building Index includes developed and emerging market large, mid and small cap companies that derive 50% or more of their revenues from products and services in Green Building.

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (AUG 2010 – MAY 2023)



## ANNUAL PERFORMANCE (%)

Year	MSCI Global Green Building	MSCI World	MSCI ACWI IMI
2022	-22.00	-18.14	-18.40
2021	5.37	21.82	18.22
2020	-14.30	15.90	16.25
2019	25.80	27.67	26.35
2018	-11.34	-8.71	-10.08
2017	28.63	22.40	23.95
2016	-3.01	7.51	8.36
2015	14.94	-0.87	-2.19
2014	4.73	4.94	3.84
2013	28.51	26.68	23.55
2012	33.85	15.83	16.38
2011	-7.61	-5.54	-7.89

## INDEX PERFORMANCE – NET RETURNS (%) (MAY 31, 2023)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Aug 31, 2010
					3 Yr	5 Yr	10 Yr		
MSCI Global Green Building	-6.67	-9.78	-21.49	-9.14	-4.68	-6.11	2.11	6.01	
MSCI World	-1.00	3.85	2.07	8.52	10.96	7.79	8.59	9.82	
MSCI ACWI IMI	-1.21	2.51	0.27	7.00	10.04	6.31	7.68	8.87	

## FUNDAMENTALS (MAY 31, 2023)

Div Yld (%)	P/E	P/E Fwd	P/BV
5.31	16.41	16.27	0.74
2.11	19.16	16.20	2.82
2.27	18.25	15.43	2.43

## INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2023)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO 2,3			Since Aug 31, 2010	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Global Green Building	11.19	20.25	20.40	17.46	-0.20	-0.28	0.15	0.36	44.21	2020-02-14–2020-03-23
MSCI World	2.23	17.65	18.13	14.63	0.61	0.42	0.57	0.65	34.03	2020-02-12–2020-03-23
MSCI ACWI IMI	2.39	17.17	18.09	14.65	0.57	0.34	0.51	0.59	34.52	2020-02-12–2020-03-23

<sup>1</sup> Last 12 months <sup>2</sup> Based on monthly net returns data

<sup>3</sup> Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

\* DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US. EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Pakistan, Peru, Philippines, Poland, Russia, Qatar, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI Global Green Building Index was launched on Sep 07, 2010. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

**INDEX CHARACTERISTICS**

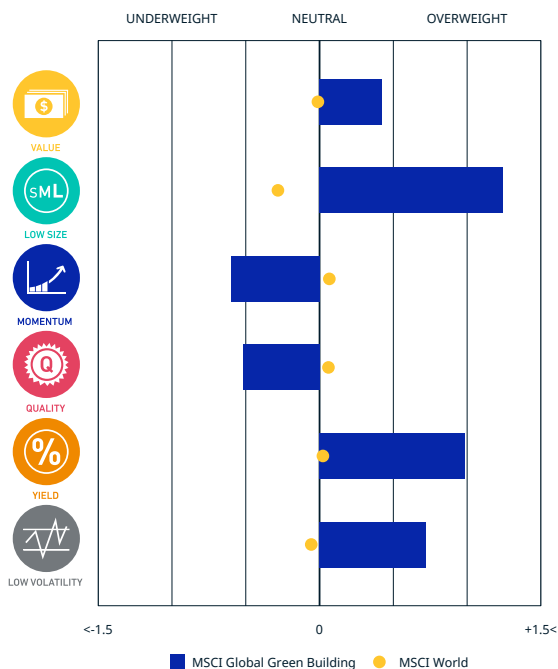
MSCI Global Green Building	
Number of Constituents	94
Mkt Cap (USD Millions)	
Index	223,385.19
Largest	18,452.96
Smallest	128.89
Average	2,376.44
Median	1,487.56

**TOP 10 CONSTITUENTS**

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
SUN HUNG KAI PROPERTIES	HK	18.45	8.26	Real Estate
ALEXANDRIA REAL ESTATE	US	17.69	7.92	Real Estate
CAPITALAND INTEGRATED	SG	7.84	3.51	Real Estate
BOSTON PROPERTIES	US	7.25	3.24	Real Estate
CAPITALAND ASCENDAS REIT	SG	6.70	3.00	Real Estate
NIPPON BUILDING FUND	JP	6.11	2.74	Real Estate
UNIBAIL-RODAMCO-WE	FR	5.38	2.41	Real Estate
BERKELEY GRP HLDGS	GB	5.29	2.37	Cons Discr
LAND SECURITIES GROUP	GB	5.26	2.35	Real Estate
NOMURA REAL EST MF (NEW)	JP	4.98	2.23	Real Estate
Total		84.94	38.02	

**FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN**

**MSCI FACTOR BOX**



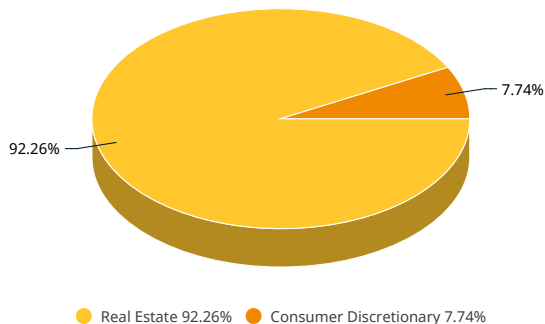
**MSCI FaCS**

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

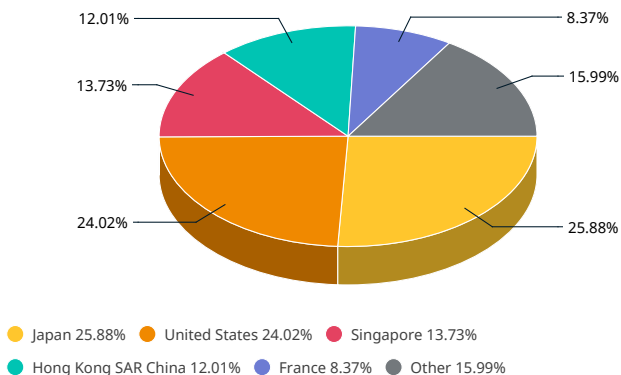
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

**SECTOR WEIGHTS**



**COUNTRY WEIGHTS**



## INDEX FRAMEWORK

The MSCI Global Environment Indexes are drawn from the universe of the MSCI ACWI IMI (Investable Market Index), a broad market benchmark of developed and emerging market large, mid and small cap securities. The Indexes are free float-adjusted market capitalization weighted indexes designed to maximize exposure to Clean Technology environmental themes. Securities of companies in the indexes derive at least 50% of their revenues from products and services from Alternative Energy, Sustainable Water, Green Building, Pollution Prevention and Energy Efficiency. The composition of the MSCI Global Environment Index is fully reviewed quarterly and the changes resulting from the quarterly index reviews are implemented as of the close of the last business day of February, May, August and November.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

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