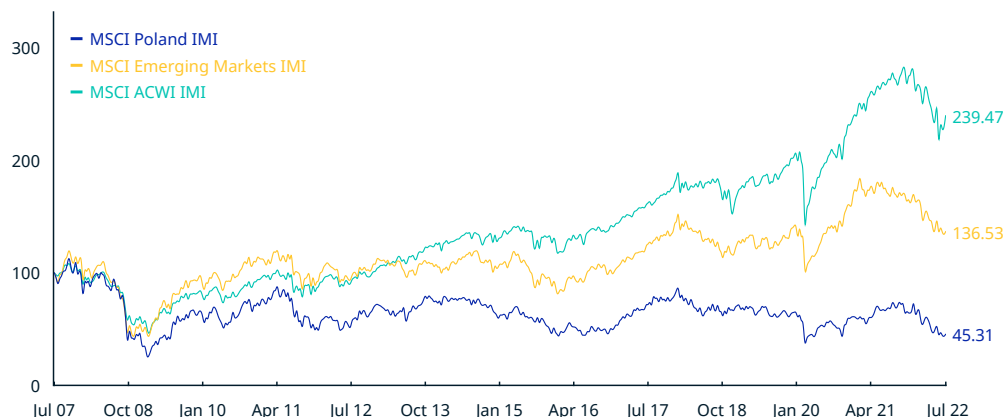


MSCI Poland IMI (USD)

The MSCI Poland Investable Market Index (IMI) is designed to measure the performance of the large, mid and small cap segments of the Polish market. With 34 constituents, the index covers approximately 99% of the free float-adjusted market capitalization in Poland.

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (USD) (JUL 2007 – JUL 2022)



ANNUAL PERFORMANCE (%)

Year	MSCI Poland IMI	MSCI Emerging Markets IMI	MSCI ACWI IMI
2021	12.59	0.06	18.71
2020	-8.23	18.78	16.81
2019	-4.07	18.10	27.04
2018	-14.06	-14.71	-9.61
2017	54.15	37.28	24.58
2016	3.16	10.30	8.96
2015	-23.31	-13.55	-1.68
2014	-14.03	-1.42	4.36
2013	4.97	-1.86	24.17
2012	40.58	19.08	17.04
2011	-30.63	-19.24	-7.43
2010	15.54	20.22	14.87
2009	45.13	82.88	37.18
2008	-57.02	-53.63	-42.01

INDEX PERFORMANCE – GROSS RETURNS (%) (JUL 29, 2022)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 1994	FUNDAMENTALS (JUL 29, 2022)			
					3 Yr	5 Yr	10 Yr	Div Yld (%)		P/E	P/E Fwd	P/BV	
MSCI Poland IMI	-0.50	-8.93	-32.91	-32.18	-12.21	-9.10	-2.06	0.90	3.78	5.96	6.84	0.93	
MSCI Emerging Markets IMI	0.22	-6.68	-19.42	-17.60	1.99	1.61	3.41	4.61	3.19	12.70	10.88	1.60	
MSCI ACWI IMI	7.18	-1.90	-10.60	-14.50	8.84	8.13	9.88	7.47	2.18	17.81	14.85	2.51	

INDEX RISK AND RETURN CHARACTERISTICS (JUL 29, 2022)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 1994	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI Poland IMI	1.70	34.31	29.31	25.24	-0.23	-0.22	0.01	0.13	78.03	2007-10-29–2009-02-17
MSCI Emerging Markets IMI	5.58	18.52	17.03	15.68	0.17	0.11	0.25	0.20	65.34	2007-10-31–2008-10-27
MSCI ACWI IMI	2.86	18.84	16.75	13.75	0.51	0.48	0.70	0.38	58.28	2007-10-31–2009-03-09

¹ Last 12 months

² Based on monthly gross returns data

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

The MSCI Poland IMI was launched on Jun 05, 2007. 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

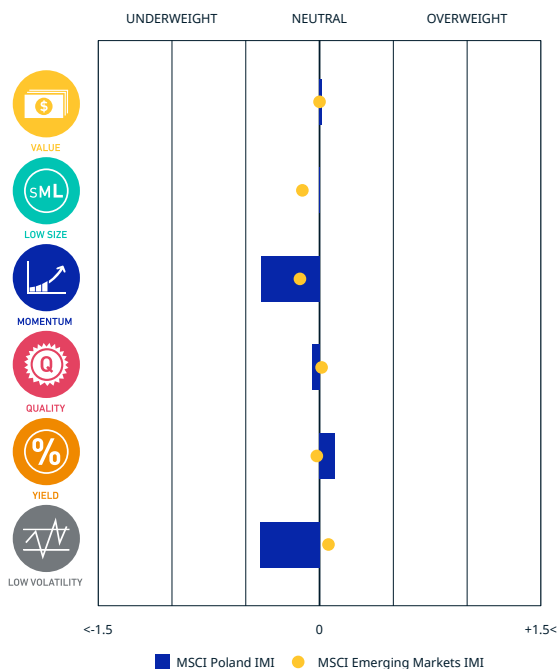
MSCI Poland IMI	
Number of Constituents	34
Mkt Cap (USD Millions)	
Index	49,058.54
Largest	6,631.89
Smallest	189.26
Average	1,442.90
Median	723.08

TOP 10 CONSTITUENTS

	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
POLSKI KONCERN NAF ORLEN	6.63	13.52	Energy
PKO BANK POLSKI	4.94	10.07	Financials
POWSZECHNY ZAKLAD UBEZP	3.95	8.05	Financials
DINO POLSKA	3.82	7.79	Cons Staples
KGHM POLSKA MIEDZ	3.49	7.11	Materials
BANK PEKAO	2.90	5.91	Financials
POLISH OIL & GAS	2.59	5.27	Energy
LPP	2.37	4.83	Cons Discr
POLSKA GRUPA ENER	2.00	4.08	Utilities
ALLEGRO.EU	1.93	3.94	Cons Discr
Total	34.62	70.57	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



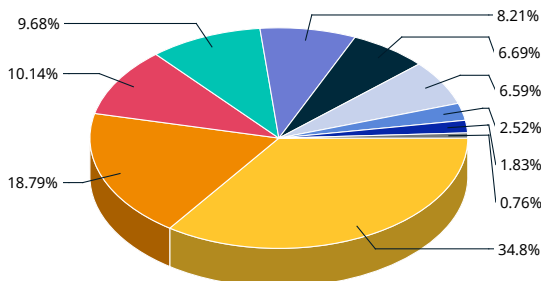
MSCI FaCS

- 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



- Financials 34.8%
- Energy 18.79%
- Consumer Discretionary 10.14%
- Materials 9.68%
- Consumer Staples 8.21%
- Utilities 6.69%
- Communication Services 6.59%
- Information Technology 2.52%
- Industrials 1.83%
- Health Care 0.76%

INDEX FRAMEWORK

The index is based on the [MSCI Global Investable Market Indexes \(GIMI\) Methodology](#) – a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large, mid and small capitalization cutoff points are recalculated.

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

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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