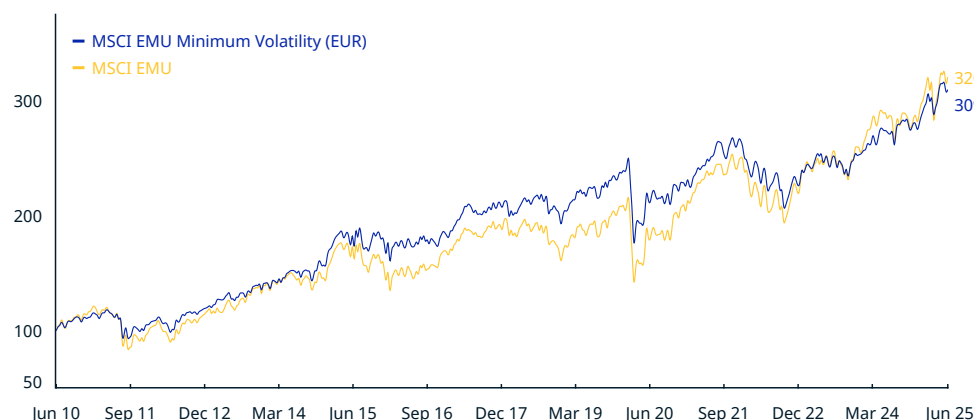


# MSCI EMU Minimum Volatility (EUR) Index (EUR)

The **MSCI EMU Minimum Volatility (EUR) Index** aims to reflect the performance characteristics of a minimum variance strategy applied to the large and mid cap representation across the 10 Developed Markets countries in the European Economic and Monetary Union (EMU)\*. The index is calculated by optimizing the MSCI EMU Index, its parent index, in EUR for the lowest absolute risk (within a given set of constraints). Historically, the index has shown lower beta and volatility characteristics relative to the MSCI EMU Index.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (EUR) (JUN 2010 – JUN 2025)



## ANNUAL PERFORMANCE (%)

Year	MSCI EMU Minimum Volatility (EUR)	MSCI EMU
2024	9.62	9.49
2023	12.55	18.78
2022	-16.21	-12.47
2021	18.41	22.16
2020	-3.87	-1.02
2019	19.83	25.47
2018	-5.28	-12.71
2017	12.39	12.49
2016	1.71	4.37
2015	15.47	9.81
2014	10.93	4.32
2013	19.72	23.36
2012	13.99	19.31
2011	-5.04	-14.89

## INDEX PERFORMANCE – NET RETURNS (%) (JUN 30, 2025)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Nov 30, 2001
MSCI EMU Minimum Volatility (EUR)	-1.93	2.99	15.38	11.60	11.61	7.77	5.87	6.00
MSCI EMU	-0.73	4.95	14.06	12.85	16.46	12.13	6.87	4.94

## FUNDAMENTALS (JUN 30, 2025)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.25	18.23	15.67	2.25
3.03	16.56	14.18	1.90

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 2001 – JUN 30, 2025)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Nov 30, 2001	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI EMU Minimum Volatility (EUR)	0.73	5.92	20.50	11.27	12.36	12.50	0.79	0.55	0.48	0.41	53.07	2007-06-01–2009-03-09
MSCI EMU	1.00	0.00	3.00	14.32	15.71	15.90	0.95	0.72	0.47	0.29	60.13	2007-07-16–2009-03-09

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly net returns data

<sup>3</sup> Based on EMMI EURIBOR 1M from Sep 1 2021 & on ICE LIBOR 1M prior that date

\* Developed Market countries in the EMU include: Austria, Belgium, Finland, France, Germany, Ireland, Italy, the Netherlands, Portugal and Spain.

The MSCI EMU Minimum Volatility (EUR) Index was launched on Jun 28, 2011. 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

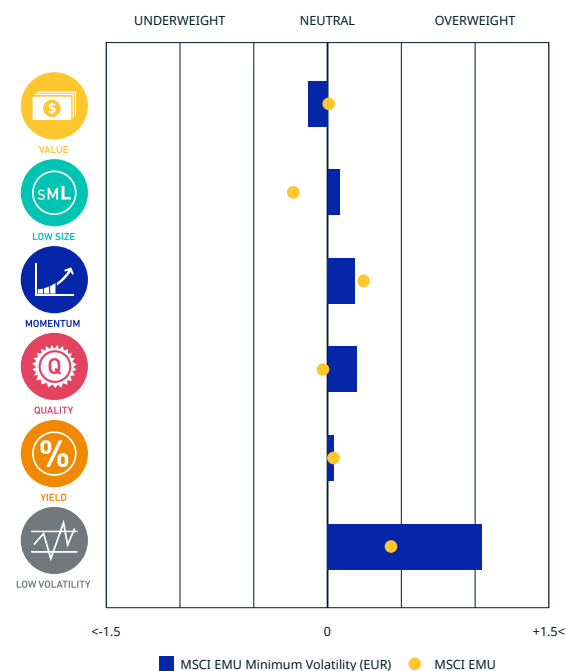
	MSCI EMU Minimum Volatility (EUR)	MSCI EMU
<b>Number of Constituents</b>	125	219
	<b>Weight (%)</b>	
<b>Largest</b>	1.56	4.73
<b>Smallest</b>	0.05	0.04
<b>Average</b>	0.80	0.46
<b>Median</b>	0.74	0.21

## TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
IBERDROLA	ES	1.56	1.66	Utilities
ELISA A	FI	1.56	0.12	Comm Svcs
KONINKLIJKE KPN	NL	1.55	0.28	Comm Svcs
E. ON	DE	1.53	0.62	Utilities
ALLIANZ	DE	1.53	2.33	Financials
TOTALENERGIES	FR	1.52	1.87	Energy
SAP	DE	1.51	4.73	Info Tech
REDEIA CORP	ES	1.51	0.13	Utilities
ORANGE	FR	1.51	0.42	Comm Svcs
NORDEA BANK (FI)	FI	1.50	0.69	Financials
Total		15.28	12.84	

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

## MSCI FACTOR BOX



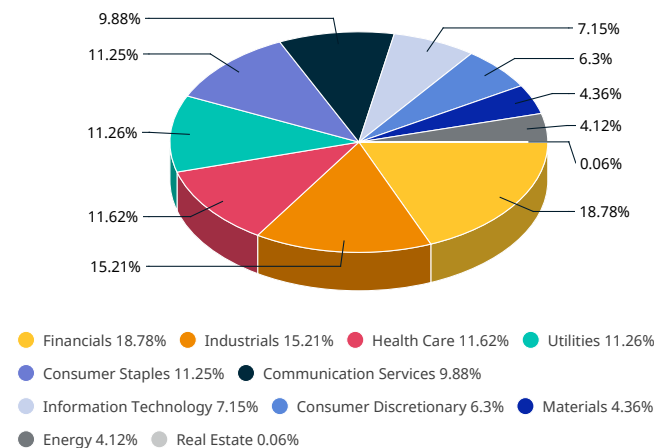
## MSCI FaCS

- 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

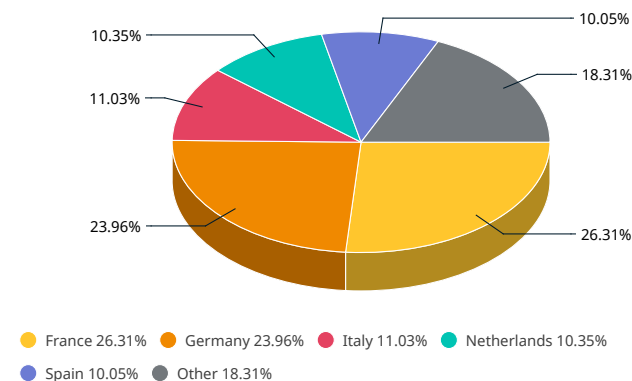
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

## SECTOR WEIGHTS



## COUNTRY WEIGHTS



## 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 50 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](http://www.msci.com).

The information contained herein (the "Information") may not be reproduced or disseminated in whole or in part without prior written permission from MSCI. The Information may not be used to verify or correct other data, to create any derivative works, to create indexes, risk models, or analytics, or in connection with issuing, offering, sponsoring, managing or marketing any securities, portfolios, financial products or other investment vehicles. Historical data and analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. None of the Information or MSCI index or other product or service constitutes an offer to buy or sell, or a promotion or recommendation of, any security, financial instrument or product or trading strategy. Further, none of the Information or any MSCI index is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. MSCI ESG and climate ratings, research and data are produced by MSCI ESG Research LLC, a subsidiary of MSCI Inc. MSCI ESG Indexes, Analytics and Real Estate are products of MSCI Inc. that utilize information from MSCI ESG Research LLC. MSCI Indexes are administered by MSCI Limited (UK) and MSCI Deutschland GmbH. The Information is provided "as is" and the user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF MSCI INC. OR ANY OF ITS SUBSIDIARIES OR ITS OR THEIR DIRECT OR INDIRECT SUPPLIERS OR ANY THIRD PARTY INVOLVED IN MAKING OR COMPILING THE INFORMATION (EACH, AN "INFORMATION PROVIDER") MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH INFORMATION PROVIDER HEREBY EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING ANY OF THE FOREGOING AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL ANY OF THE INFORMATION PROVIDERS HAVE ANY LIABILITY REGARDING ANY OF THE INFORMATION FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR ANY OTHER DAMAGES EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES. The foregoing shall not exclude or limit any liability that may not be applicable by law be excluded or limited. Privacy notice: For information about how MSCI collects and uses personal data, please refer to our Privacy Notice at [www.msci.com/legal/privacy-notice](http://www.msci.com/legal/privacy-notice)

© 2025 MSCI Inc. All rights reserved.