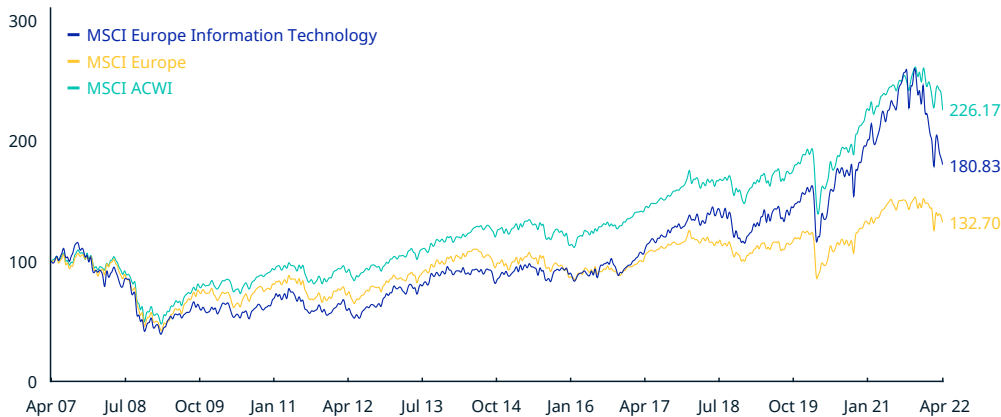


MSCI Europe Information Technology Index (USD)

The MSCI Europe Information Technology Index is designed to capture the large and mid cap segments across 15 Developed Markets (DM) countries in Europe*. All securities in the index are classified in the Information Technology sector as per the Global Industry Classification Standard (GICS®).

CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (APR 2007 – APR 2022)



ANNUAL PERFORMANCE (%)

Year	MSCI Europe Information Technology	MSCI Europe	MSCI ACWI
2021	26.95	16.30	18.54
2020	24.79	5.38	16.25
2019	35.09	23.77	26.60
2018	-11.30	-14.86	-9.41
2017	36.18	25.51	23.97
2016	1.20	-0.40	7.86
2015	3.62	-2.84	-2.36
2014	-4.76	-6.18	4.16
2013	33.38	25.23	22.80
2012	27.72	19.12	16.13
2011	-12.75	-11.06	-7.35
2010	8.86	3.88	12.67
2009	17.76	35.83	34.63
2008	-51.35	-46.42	-42.19

INDEX PERFORMANCE – NET RETURNS (%) (APR 29, 2022)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 29, 2000
					3 Yr	5 Yr	10 Yr		
MSCI Europe Information Technology	-11.75	-14.70	-18.28	-26.56	8.22	10.34	11.38	0.22	
MSCI Europe	-5.75	-8.51	-6.69	-12.69	4.88	4.93	5.89	4.09	
MSCI ACWI	-8.00	-8.44	-5.44	-12.94	9.41	9.46	9.21	5.88	

FUNDAMENTALS (APR 29, 2022)

Div Yld (%)	P/E	P/E Fwd	P/BV
1.07	32.61	22.31	4.85
3.05	15.54	13.07	1.96
2.05	18.09	15.52	2.75

INDEX RISK AND RETURN CHARACTERISTICS (APR 29, 2022)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 29, 2000	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Europe Information Technology	2.48	24.83	21.42	19.26	0.41	0.51	0.62	0.30	86.94	2000-02-29–2002-10-08
MSCI Europe	1.90	19.49	16.88	15.61	0.30	0.30	0.40	0.32	62.99	2007-10-31–2009-03-09
MSCI ACWI	2.98	17.96	15.67	13.50	0.55	0.58	0.67	0.34	58.38	2007-10-31–2009-03-09

¹ Last 12 months

² Based on monthly net returns data

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

* Developed Markets countries in Europe include: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the UK.

The MSCI Europe Information Technology Index was launched on Sep 15, 1999. Data prior to the launch date is back-tested data (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

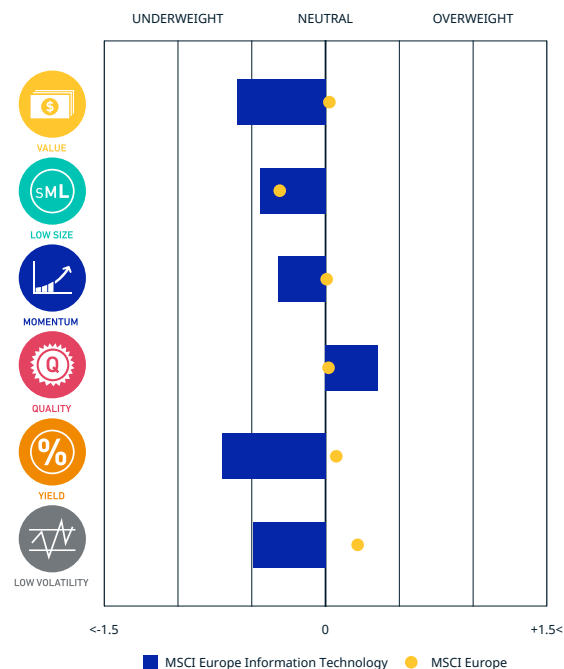
MSCI Europe Information Technology	
Number of Constituents	23
Mkt Cap (USD Millions)	
Index	708,021.54
Largest	238,951.28
Smallest	2,369.56
Average	30,783.55
Median	14,322.79

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)
ASML HLDG	NL	238.95	33.75
SAP	DE	107.47	15.18
INFINEON TECHNOLOGIES	DE	37.82	5.34
ADYEN NV	NL	33.96	4.80
CAPGEMINI	FR	33.17	4.69
DASSAULT SYSTEMES	FR	29.83	4.21
AMADEUS IT GROUP A	ES	28.71	4.05
NOKIA CORP	FI	27.70	3.91
STMICROELECTRONICS	FR	25.75	3.64
HEXAGON B	SE	25.54	3.61
Total		588.90	83.17

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



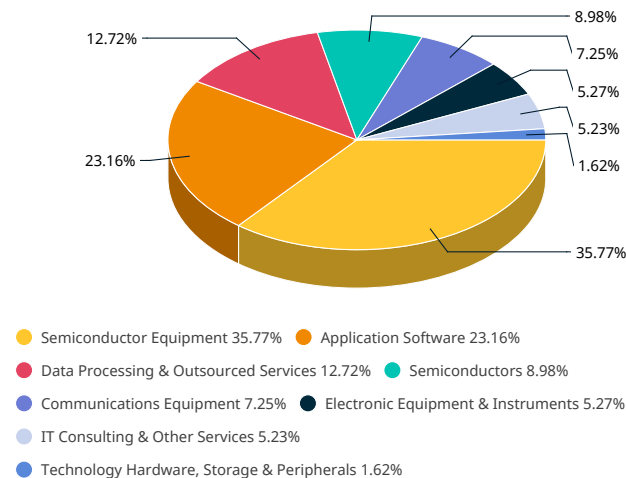
MSCI FaCS

- 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

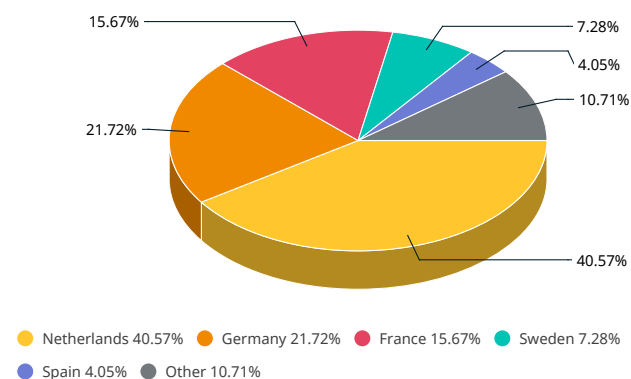
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SUB-INDUSTRY WEIGHTS



COUNTRY WEIGHTS



INDEX METHODOLOGY

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 and mid capitalization cutoff points are recalculated.

FACTOR BOX AND FaCS METHODOLOGY

MSCI FaCS is a standard method ([MSCI FaCS Methodology](#)) 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.

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 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. 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 THE MAKING OR COMPILING OF THE INFORMATION (EACH, AN "MSCI PARTY") MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH MSCI PARTY 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 MSCI PARTIES 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 by applicable law be excluded or limited.

© 2022 MSCI Inc. All rights reserved.