

## BlueStar® Machine Learning and Quantum Computing Index

The BlueStar® Machine Learning and Quantum Computing Index (BQTUM) tracks the performance of the largest and most liquid companies in the global quantum computing and machine learning industries. This is a modified market cap-weighted index, and only includes companies that generate at least 50% of their revenue from products and services related to quantum computing or machine learning, such as the development or use of quantum computers or computing chips, superconducting materials, applications built on quantum computers, embedded artificial intelligence chips, or software that specialize in the perception, collection, visualization, or management of big data.

### Key Features



	All Time High/Low	52-Week High/Low
<b>Total Return Net Index</b>	523.09/87.19	523.09/359.32

#### Size and Liquidity Requirements

Full MCap of at least 150 mln USD. Three months average-daily-trading volume of at least 1 mln USD at a review and also at the previous two reviews. At least 250,000 shares traded per month over the last six months at a review and also at the previous two reviews.

#### Universe

Companies have to offer products or services related to quantum computing or machine learning technology.

#### Diversification

Companies are equally weighted.

#### Review

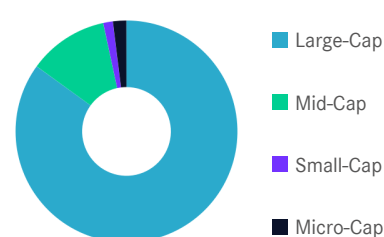
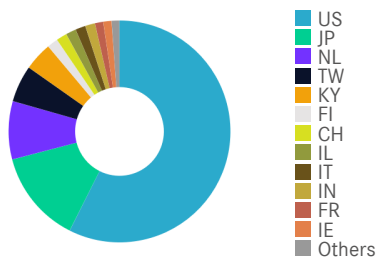
Semi-annual in June and December.

### Index Data

INDEX PARAMETERS				FUNDAMENTALS*		ANNUALISED PERFORMANCE*	
Launch Date	07 Jun 2018	Components	68	Price/Earnings Trailing	67.49	1 Month	-6.69%
Type	Sector	Volatility (250 days)	17.68	Price/Book	3.46	1 Year	32.86%
Currency	USD	Full MCap bn USD	10,655.97	Price/Sales	2.76	3 Years	5.06%
Base Date	18 Dec 2015	Float MCap bn USD	8,684.61	Price/Cash Flow	14.90	5 Years	17.68%
Base Value	100.00	Correlation* (250 days)	0.14	Dividend Yield	1.23	7 Years	20.57%
* INDXX ARTIFICIAL INTELLIGENCE & BIG DATA INDEX				* as of 31 Mar 2024		* Total Return Net Index	

### Country and Size Weightings

Country	Count	Weight
United States	37	57.42%
Japan	9	13.52%
Netherlands	6	8.48%
Taiwan	4	5.37%
Cayman Islands	4	4.12%
Finland	1	1.57%
Switzerland	1	1.56%
Israel	1	1.50%
Italy	1	1.48%
India	1	1.43%
France	1	1.22%
Ireland	1	1.20%
Others	1	1.14%

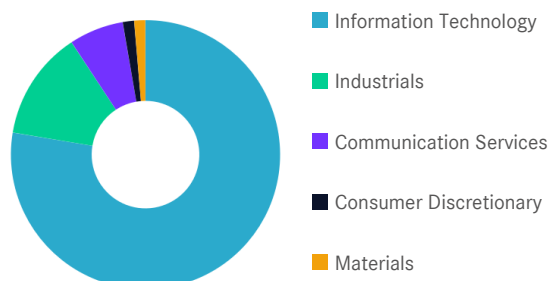


Size	Count	Weight
Large-Cap (> 6 bn)	56	84.98%
Mid-Cap (1.5 bn - 6 bn)	9	11.65%
Small-Cap (0.2 bn - 1.5 bn)	1	1.40%
Micro-Cap (0.0 bn - 0.2 bn)	2	1.96%

# BlueStar® Machine Learning and Quantum Computing Index

## Sector Weightings

Sector	Count	Weight
Information Technology	52	77.63%
Industrials	9	13.12%
Communication Services	5	6.55%
Consumer Discretionary	1	1.37%
Materials	1	1.34%



## Index Components

Top Components by Weight	Country	Weight	Best Performing Components	YTD	1 Day
MICROSTRATEGY INC-CL A	US	3.35%	TERADYNE INC	0.48%	8.15%
NVIDIA CORP	US	2.36%	MARVELL TECHNOLOGY INC	12.10%	4.06%
MICRON TECHNOLOGY INC	US	1.99%	INFINEON TECHNOLOGIES AG	-15.58%	3.83%
SOCIONEXT INC	JP	1.95%	NVIDIA CORP	66.87%	3.71%
MKS INSTRUMENTS INC	US	1.85%	LATTICE SEMICONDUCTOR CORP	7.13%	3.26%
TAIWAN SEMICONDUCTOR-SP ADR	TW	1.82%			
APPLIED MATERIALS INC	US	1.78%			
COHERENT CORP	US	1.77%			
MARVELL TECHNOLOGY INC	US	1.74%			
ONTO INNOVATION INC	US	1.72%			
ADVANCED MICRO DEVICES	US	1.71%			
ASML HOLDING NV-NY REG SHS	NL	1.70%			
<b>Subtotal</b>		23.74%			

Worst Performing Components	YTD	1 Day
INTERNATIONAL BUSINESS MACHINES CORP	4.21%	-8.25%
ALCHIP TECHNOLOGIES LTD	-18.64%	-5.13%
MITSUBISHI ELECTRIC CORP	9.96%	-4.00%
HITACHI LTD	18.62%	-3.81%
SOCIONEXT INC	42.18%	-3.52%

## Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
<b>Price Index</b>	BQTUM	DE000SL0FUQ7	SL0FUQ	BQ0GS05	BQTUM	.BQTUM	118655363
<b>Total Return Net</b>	BQTUMNTR	DE000SL0FUR5	SL0FUR	BQ0GS16	BQTUMNTR	.BQTUMNTR	118655364
<b>Total Return Gross</b>	BQTUMTR	DE000SLA5JF2	SLA5JF	BMGR4X9	BQTUMTR	.BQTUMTR	42196303

For further information visit [www.marketvector.com](http://www.marketvector.com)

Nothing on this factsheet shall be considered a solicitation to buy or an offer to sell a security, or any other product or service, to any person in any jurisdiction where such offer, solicitation, purchase or sale would be unlawful under the laws of such jurisdiction. Neither MarketVector Indexes GmbH nor any of its licensors makes any warranties or representations, express or implied, to the user with respect to any of the data contained herein. The data is provided for informational purposes only, and the Company shall not be responsible or liable for the accuracy, usefulness or availability of any information transmitted or made available through it. The MarketVector™ family of indexes (MarketVector™, BlueStar®, MVIS®) is protected through various intellectual property rights and unfair competition and misappropriation laws. MVIS® is a registered trademark of Van Eck Associates Corporation that has been licensed to MarketVector Indexes GmbH. MarketVector™ and MarketVector Indexes™ are pending trademarks of Van Eck Associates Corporation. BlueStar®, BlueStar Indexes®, BIGI® and BIGITech® are trademarks of MarketVector Indexes GmbH. You require a licence to launch any product whose performance is linked to the value of a particular MarketVector™ Index and for all use of the MarketVector™ name or name of the MarketVector™ Index in the marketing of the product.