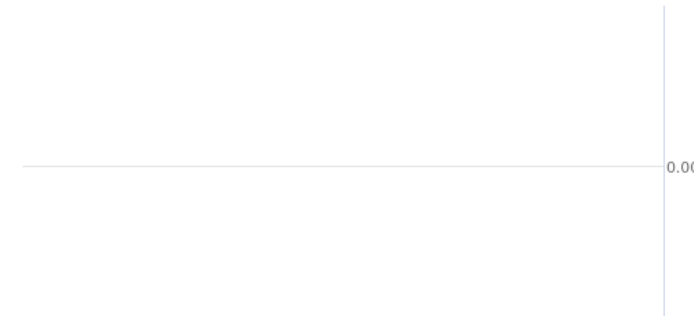# BlueStar® Machine Learning and Quantum Computing Index

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 are acitive in the quantum computing or machine learning business, 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

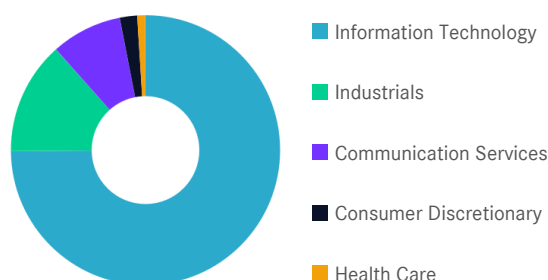|	
	0.00
Index 523.09/87.19 523.09/359.32	

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**		69	**Price/Earnings Trailing**	37.58	**1 Month**	-4.32%
Type	Sector	**Volatility** (250 days)		17.79	**Price/Book**	3.58	**1 Year**	27.27%
Currency	USD	**Full MCap** bn USD		13,617.91	**Price/Sales**	2.92	**3 Years**	5.43%
Base Date	18 Dec 2015	**Float MCap** bn USD		11,104.87	**Price/Cash Flow**	14.50	**5 Years**	17.92%
Base Value	100.00	**Correlation*** (250 days)		0.14	**Dividend Yield**	1.23	**7 Years**	20.80%

* Indxx Global Robotics & Artificial Intelligence Thematic

* as of 28 Feb 2025

* Total Return Net Index

Sector Weightings

Sector	Count	Weight
Information Technology	53	74.88%
Industrials	9	13.54%
Communication Services	5	8.49%
Consumer Discretionary	1	2.11%
Health Care	1	0.97%

- Information Technology
- Industrials
- Communication Services
- Consumer Discretionary
- Health Care

BlueStar® Machine Learning and Quantum Computing Index

Country and Size Weightings

Country	Count	Weight
United States	41	56.82%
Japan	7	11.57%
Netherlands	6	8.85%
Taiwan	4	5.67%
Cayman Islands	3	4.95%
France	1	2.18%
Finland	1	1.77%
Italy	1	1.60%
Germany	1	1.54%
Switzerland	1	1.39%
Ireland	1	1.26%
India	1	1.22%
Others	1	1.19%

Legend (pie chart 1): US, JP, NL, TW, KY, FR, FI, IT, DE, CH, IE, IN, Others

Legend (pie chart 2): Large-Cap, Mid-Cap, Small-Cap, Micro-Cap
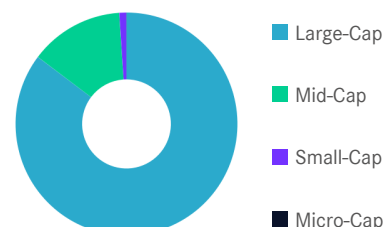
Size	Count	Weight
Large-Cap (> 6 bn)	59	85.27%
Mid-Cap (1.5 bn - 6 bn)	9	13.69%
Small-Cap (0.2 bn - 1.5 bn)	1	1.04%
Micro-Cap (0.0 bn - 0.2 bn)	0	0.00%

Index Components

Top Components by Weight	Country	Weight
D-WAVE QUANTUM INC	US	3.64%
PALANTIR TECHNOLOGIES INC-A	US	2.43%
ORANGE	FR	2.18%
ALIBABA GROUP HOLDING-SP ADR	KY	2.11%
NEC CORP	JP	2.03%
RIGETTI COMPUTING INC	US	1.98%
KONINKLIJKE KPN NV	NL	1.86%
FUJITSU LIMITED	JP	1.81%
NOKIA CORP-SPON ADR	FI	1.77%
RTX CORP	US	1.67%
KLA CORP	US	1.67%
MITSUBISHI ELECTRIC CORP	JP	1.65%
Subtotal		24.82%

Best Performing Components	YTD	1 Day
IONQ INC	-16.23%	7.53%
MITSUBISHI ELECTRIC CORP	18.86%	3.39%
RIGETTI COMPUTING INC	-22.35%	2.69%
NOKIA CORP-SPON ADR	13.18%	2.67%
MICRON TECHNOLOGY INC	16.60%	2.67%

Worst Performing Components	YTD	1 Day
APPLIED MATERIALS INC	2.04%	-5.25%
RENESAS ELECTRONICS CORP	-4.06%	-3.59%
TOWER SEMICONDUCTOR LTD	-20.19%	-2.26%
MARVELL TECHNOLOGY INC	-42.18%	-2.21%
KLA CORP	25.85%	-1.84%

Symbols

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

![MarketVector Indexes logo]

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For further information visit www.marketvector.com