

FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

DESCRIPTION

The Solactive Artificial Intelligence Merged Series 8 ER Index (the "Index"):

- Provides exposure to stocks of certain companies concentrated in the technology sector that may benefit from the development of "Artificial Intelligence". For purposes of the Index, Artificial Intelligence is the ability of a machine to perform cognitive tasks typically associated with human brains, such as perception, reasoning, learning, interacting with the environment and problem solving.
- Is calculated on an excess return basis by measuring the extent to which (a) the stocks and any money market position outperform (b) SOFR + 0.26161% and 0.75% per annum (accruing daily).^{*}
 - The money market position reflects the returns accruing on a hypothetical cash investment in a notional money market account denominated in U.S. dollars that accrues interest at the notional interest rate, which is equal to SOFR + 0.26161%.^{*}
- Applies a daily volatility control:
 - Volatility cap: 8%. It is measured on a daily basis by calculating the realized volatility of the stocks for a 20 index business day look back period. The Index is rebalanced by ratably reallocating all or a portion of the exposure to the stocks in the Index to the money market position sufficient to reduce the realized volatility for such period to the volatility cap.

Note Regarding the June 2020 Transition

- The Index will track the Motif Capital Artificial Intelligence 8 ER Index (the "Terminating Index") through June 23, 2020. The Terminating Index will cease to be published after June 23, 2020.
- From June 24, 2020, the Index will be calculated, administered and published using a methodology that is substantively the same as the Solactive Artificial Intelligence 8 ER Index, except that the closing level of the Index on June 23, 2020 will have been set to equal the closing level of the Terminating Index on June 23, 2020.
- Differences in methodology between the Terminating Index and the Index will cause the composition of the Index on and after June 24, 2020 to differ from the composition of the Terminating Index had the latter index not been discontinued. Although the theme and main characteristics of the Index and the Terminating Index have similarities, they are not identical. The Index is a different index than the Terminating Index. For example, the Index uses algorithms and methods developed by Solactive to select and weigh component stocks and not the ones developed by the sponsor of the Terminating Index. While some stocks will be common to both indices, some stocks will not be the same.
- Past performance of the Terminating Index is not necessarily indicative of the future performance of the Index.

^{*} Prior to January 01, 2022, the 3M USD Libor rate had been used.

HISTORICAL PERFORMANCE**



** Levels to the left of the vertical red line are closing levels of the Terminating Index. Levels on and to the right of the vertical red line are closing levels of the Index using its own methodology. The Index is a different index than the Terminating Index and past performance of the Terminating Index is not indicative of the future performance of the Index. Past performance is no guarantee of future results and may be lower or higher than current performance.

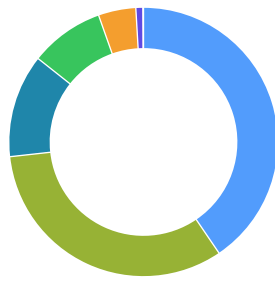
FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

CHARACTERISTICS

ISIN / WKN	DE000SLOASH1 / SLOASH	Base Value / Base Date	118.49 Points / October 30, 2018
Ticker / RIC	SOLAITMS Index / .SOLAITMS	Last Price	143.13
Index Sponsor	Solactive AG	52W High	146.65
Index Type	Excess Return	52W Low	131.23
Index Currency	USD	Calculation	03:30pm to 10:50pm (CET), every 15 seconds
Index Members	66		

COMPOSITION OF STOCKS BY INDUSTRY GROUP AS OF OCTOBER 11, 2024*



- No data 40.5%
- Software and Consulting 32.8%
- Electronic Components and Manufacturing 12.4%
- Food and Staples Retail 8.9%
- Specialty Finance and Services 4.5%
- Hardware 0.8%
- Business Services 0.1%

* Composition of Stocks by Industry Group is in Technology. The industry groups referenced above are categorized in the technology sector. Industry group percentages relate only to the stocks that comprise the Index. The percentages above sum to 100% regardless of whether a portion of the Index has been allocated to the money market position. Historically, a very significant portion of the Index consistently has been allocated to the money market position.

TOP COMPONENTS AS OF OCTOBER 11, 2024**

Ticker	Currency	Country	Company	Index Weight (%)
			Money Market Position	55.14%
BABA	USD	KY	ALIBABA GROUP HOLDING-SP ADR	2.81%
META	USD	US	META PLATFORMS INC	2.46%
NVDA	USD	US	NVIDIA CORP	2.34%
GOOGL	USD	US	ALPHABET INC-CL A	1.88%
BIDU	USD	KY	BAIDU INC - SPON ADR	1.70%
ADBE	USD	US	ADOBE INC	1.69%
FICO	USD	US	FAIR ISAAC CORP	1.60%
PDD	USD	KY	PINDUODUO INC	1.19%
MA	USD	US	MASTERCARD INC-CLASS A	1.09%
RBLX	USD	US	ROBLOX CORP	1.08%

** From and including June 24, 2020, the Index will be rebalanced over a five-day rebalancing period based on new target weights selected in accordance with the Index. Differences in methodology between the Terminating Index and the Index will cause the composition of the Index on and after June 24, 2020 to differ from the composition of the Terminating Index had the latter index not been discontinued.

FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

PERFORMANCE^{1,5}

AS OF OCTOBER 11, 2024	Index
Effective Performance (1M)	4.16%
Effective Performance (6M) ¹	1.84%
Effective Performance (1Y) ¹	4.44%
Annualized Performance (since October 2018) ²	3.23%
Annualized Volatility (since October 2018) ²	8.83%
Return over risk (since October 2018) ³	0.37
Maximum Drawdown (since October 2018) ⁴	17.15%

DETAILED HISTORICAL MONTHLY PERFORMANCE⁵

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2024	-1.67%	1.55%	0.01%	-3.30%	1.75%	1.69%	-0.93%	-1.70%	1.95%	1.37%			0.58%
2023	4.11%	-0.22%	1.52%	-2.95%	2.81%	2.25%	2.79%	-2.28%	-2.77%	-2.91%	4.82%	2.83%	9.96%
2022	-2.63%	-0.88%	-0.20%	-2.79%	-0.84%	-1.38%	1.39%	-0.91%	-3.79%	0.53%	2.44%	-1.30%	-10.04%
2021	0.75%	1.90%	-1.11%	0.36%	-1.52%	2.96%	-1.75%	1.13%	-3.13%	2.62%	-1.59%	-0.62%	-0.22%
2020	1.45%	-0.82%	-3.44%	1.39%	2.53%	1.79%	2.20%	3.16%	-2.34%	-1.02%	5.22%	3.62%	14.23%
2019	2.62%	2.44%	0.87%	2.20%	-5.42%	2.11%	1.24%	-2.37%	-1.22%	1.33%	2.51%	1.73%	7.99%
2018										0.62%	0.25%	-2.22%	-1.36%

¹ Past performance is no guarantee of future results and may be lower or higher than current performance.

² Calculated on an annualized basis since October 30, 2018.

³ Calculated by dividing the annualized performance by the annualized volatility since October 30, 2018.

⁴ The largest percentage decline in the Index level from any previously occurring level since October 30, 2018.

⁵ Data prior to June 24, 2020 reflects closing levels of the Terminating Index. Data from and including June 24, 2020 reflects closing levels of the Index using its own methodology. The Index is a different index than the Terminating Index and past performance of the Terminating Index is not indicative of the future performance of the Index. Past performance is no guarantee of future results and may be lower or higher, perhaps materially, than current performance.

FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

MONEY MARKET POSITION AND TOP 10 STOCKS FOR EACH MONTH AS OF THE LAST INDEX PUBLICATION DAY OF EACH MONTH*

- Stocks and target weights are rebalanced once a year.
- Volatility control is applied daily, which may result in a rebalancing into the money market position.
- The average weight of the money market position is shown for each month.
- The top constituent stocks for each month are identified based on their actual weight in the Index as of the last Index publication date for such month. Each weight below is the average weight of such top constituent stock for such month.

Money Market Position	BABA	META	NVDA	ADBE	GOOGL	FCO	BIDU	RBLX	MA	SNPS	SNOW	PDD	INTC	AMBA	NUAN	YNDX	IBM	V	NDW	MSFT	
Sep-2024	66.0%	5.5%	5.5%	4.8%	4.5%	4.4%	3.6%	3.5%	2.8%	2.6%	2.4%	-	-	-	-	-	-	-	-	-	
Aug-2024	72.2%	5.0%	5.3%	4.9%	4.5%	4.6%	3.3%	3.4%	2.6%	-	2.6%	-	2.6%	-	-	-	-	-	-	-	
Jul-2024	42.1%	4.5%	4.7%	5.2%	4.4%	4.7%	2.9%	3.5%	-	-	2.6%	-	2.7%	2.6%	-	-	-	-	-	-	
Jun-2024	43.1%	4.2%	-	13.4%	4.4%	-	3.1%	2.5%	-	5.3%	-	-	6.1%	4.1%	-	-	-	-	-	-	
Mar-2024	63.0%	4.0%	-	10.0%	4.8%	-	2.9%	2.8%	-	5.8%	-	-	5.3%	5.9%	-	-	-	-	-	-	
Dec-2023	51.8%	4.1%	-	5.5%	5.6%	-	2.7%	3.2%	-	5.2%	-	-	6.5%	6.3%	-	-	-	-	-	-	
Sep-2023	59.8%	5.4%	-	5.5%	5.4%	-	-	4.1%	-	5.5%	-	-	4.8%	5.5%	-	-	-	-	-	-	
Apr-2023	64.1%	3.9%	-	8.4%	4.9%	-	3.5%	3.7%	-	5.6%	-	-	3.8%	4.2%	-	-	-	-	-	-	
Dec-2022	77.5%	4.1%	-	5.6%	4.9%	-	3.4%	3.6%	-	5.9%	-	-	5.3%	4.1%	-	-	-	-	-	-	
Nov-2022	79.7%	3.6%	-	5.5%	4.9%	-	3.1%	-	-	5.9%	-	3.0%	4.2%	4.5%	-	-	-	-	-	-	
Jul-2022	79.2%	4.5%	-	5.1%	5.1%	-	-	4.1%	-	5.1%	-	2.6%	3.1%	5.0%	-	-	-	-	-	-	
Jun-2022	82.7%	3.8%	-	6.5%	5.2%	5.7%	-	3.9%	-	6.0%	-	-	-	3.8%	-	-	-	-	3.6%	-	4.0%
Apr-2022	78.6%	2.9%	-	7.6%	5.0%	6.6%	-	3.0%	-	5.7%	-	-	-	3.7%	-	-	-	-	3.9%	-	4.5%

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FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

Money Market Position	BABA	META	NVDA	ADBE	GOOGL	FICO	BIDU	RBLX	MA	SNPS	SNOW	PDD	INTC	AMBA	NUAN	YNDX	IBM	V	NOW	MSFT
Mar-2022	80.9%	3.0%	-	8.2%	5.0%	6.7%	-	3.2%	-	5.2%	-	-	3.7%	-	-	-	-	3.7%	-	4.4%
Oct-2021	60.8%	3.7%	-	5.7%	5.4%	5.5%	-	2.9%	-	4.2%	-	-	3.1%	-	-	3.0%	-	3.1%	-	3.6%
Sep-2021	45.9%	3.6%	-	5.7%	5.6%	5.5%	-	2.8%	-	4.2%	-	-	3.2%	-	-	3.1%	-	3.1%	-	3.5%
Aug-2021	49.0%	4.1%	-	5.4%	5.7%	5.4%	-	2.7%	-	4.4%	-	-	3.2%	-	-	-	-	3.3%	-	3.5%
Jul-2021	37.0%	4.6%	-	5.1%	5.3%	5.0%	-	3.1%	-	4.6%	-	-	3.2%	-	-	2.7%	-	3.3%	-	3.3%
Jun-2021	51.5%	-	-	4.6%	3.1%	4.6%	-	2.3%	-	3.0%	-	-	2.5%	2.4%	-	-	-	-	-	3.3%
May-2021	60.1%	-	-	3.9%	2.8%	4.6%	-	2.3%	-	3.0%	-	-	2.6%	2.4%	-	-	-	-	-	3.4%
Apr-2021	68.4%	-	-	3.8%	2.7%	4.3%	-	2.5%	-	3.0%	-	-	2.7%	2.5%	-	-	-	-	-	3.3%
Mar-2021	76.4%	-	-	3.3%	2.5%	4.0%	-	3.0%	-	2.9%	-	-	3.0%	2.6%	-	-	-	-	-	3.1%
Feb-2021	64.8%	-	-	3.4%	2.5%	3.7%	-	3.3%	-	2.6%	-	-	3.5%	2.3%	-	-	-	-	-	2.9%
Jan-2021	53.4%	-	-	3.4%	2.6%	3.5%	-	2.8%	-	2.7%	-	-	3.4%	2.2%	-	-	-	-	-	2.9%
Dec-2020	53.1%	-	-	3.6%	2.9%	3.7%	-	2.2%	-	2.9%	-	-	3.2%	2.1%	-	-	-	-	-	3.1%
Nov-2020	70.1%	-	-	4.0%	3.0%	4.0%	-	-	-	3.1%	-	-	2.9%	2.2%	-	-	-	-	-	3.3%
Oct-2020	63.3%	-	-	4.3%	3.3%	3.7%	-	-	-	3.3%	-	-	2.1%	2.5%	-	-	-	-	2.1%	3.5%
Sep-2020	66.9%	-	-	4.2%	3.5%	3.8%	-	-	-	3.5%	-	-	2.1%	2.6%	-	-	-	-	-	3.5%
Aug-2020	60.1%	-	-	4.0%	3.3%	3.9%	-	-	-	3.5%	-	-	2.3%	2.5%	-	-	-	-	-	3.6%
Jul-2020	66.5%	-	-	3.6%	3.4%	4.0%	-	-	-	3.4%	-	-	2.4%	3.1%	-	-	-	-	-	3.7%
Jun-2020	70.7%	3.5%	-	4.5%	3.4%	4.3%	-	-	-	3.2%	-	-	5.2%	3.4%	-	-	-	2.3%	-	4.4%
May-2020	76.9%	3.6%	-	6.5%	3.2%	2.7%	-	3.8%	-	2.6%	-	-	6.9%	5.3%	-	-	-	-	-	3.3%
Apr-2020	87.9%	4.0%	-	6.2%	3.1%	2.7%	-	4.2%	-	2.6%	-	-	5.8%	5.7%	-	-	-	-	-	3.4%

FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

Money Market Position	BABA	META	NVDA	ADBE	GOOGL	FICO	BIDU	RBLX	MA	SNPS	SNOW	PDD	INTC	AMBA	NUAN	YNDX	IBM	V	NOW	MSFT
Mar-2020	83.3%	4.1%	-	5.7%	3.3%	2.8%	-	4.5%	-	2.8%	-	4.9%	5.4%	-	-	-	-	-	-	3.2%
Feb-2020	58.1%	3.7%	-	5.2%	3.0%	2.8%	-	4.7%	-	2.9%	-	4.1%	5.4%	-	-	-	-	-	-	3.1%
Jan-2020	39.0%	3.8%	-	4.8%	2.9%	2.8%	-	4.9%	-	2.8%	-	4.5%	5.3%	-	-	-	-	-	-	2.9%
Dec-2019	40.9%	3.8%	-	4.7%	2.8%	2.8%	-	4.7%	-	2.8%	-	4.6%	5.3%	-	-	-	-	-	-	2.9%
Nov-2019	47.1%	3.6%	-	4.5%	2.7%	2.8%	-	4.6%	-	2.8%	-	5.0%	5.4%	2.3%	-	-	-	-	-	2.8%
Oct-2019	57.0%	3.5%	-	4.3%	2.7%	2.8%	-	4.4%	-	2.8%	-	4.7%	5.2%	2.4%	-	-	-	-	-	2.8%
Sep-2019	61.9%	3.5%	-	4.0%	2.7%	2.7%	-	4.4%	-	2.8%	-	4.5%	5.0%	2.8%	-	-	-	-	-	2.8%
Aug-2019	57.7%	3.4%	-	3.7%	2.9%	2.7%	-	4.4%	-	2.9%	-	3.6%	4.7%	-	-	-	-	-	-	2.8%
Jul-2019	37.6%	3.5%	-	3.7%	3.0%	2.5%	-	4.7%	-	2.8%	-	2.5%	4.8%	-	-	-	-	-	-	2.8%
Jun-2019	62.4%	3.3%	-	3.0%	4.1%	2.6%	-	-	-	3.3%	-	-	3.1%	-	2.8%	-	2.9%	-	-	3.7%
May-2019	42.9%	3.4%	-	3.2%	4.0%	2.8%	-	-	-	3.2%	-	-	3.0%	-	3.0%	-	2.9%	-	-	3.5%
Apr-2019	49.0%	3.6%	-	3.6%	3.8%	2.9%	-	3.2%	-	2.9%	-	-	3.5%	-	-	-	3.0%	-	-	3.3%
Mar-2019	39.8%	3.7%	-	3.4%	3.8%	2.9%	-	3.3%	-	2.9%	-	-	3.5%	-	-	-	3.0%	-	-	3.3%
Feb-2019	57.6%	3.6%	-	3.2%	3.9%	-	-	3.4%	-	2.9%	-	-	3.4%	-	2.9%	-	3.1%	-	-	3.1%
Jan-2019	76.4%	3.5%	-	3.3%	3.9%	3.0%	-	3.6%	-	-	-	-	3.5%	-	2.9%	-	3.0%	-	-	3.3%
Dec-2018	75.9%	3.5%	-	3.4%	4.0%	3.0%	-	3.9%	-	-	-	-	3.5%	-	2.9%	-	2.9%	-	-	3.4%
Nov-2018	76.9%	3.3%	-	3.5%	3.6%	2.7%	-	3.8%	-	-	-	-	3.2%	-	3.0%	-	2.7%	-	-	3.2%
Oct-2018	54.3%	3.1%	-	4.3%	4.0%	2.9%	-	4.0%	-	-	-	-	3.3%	-	3.2%	-	2.9%	-	-	3.3%

FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

COMPONENTS AS OF OCTOBER 11, 2024

Ticker	Currency	Country	Company
			Money Market Position
BABA UN Equity	USD	KY	ALIBABA GROUP HOLDING-SP ADR
META UW Equity	USD	US	META PLATFORMS INC
NVDA UW Equity	USD	US	NVIDIA CORP
GOOGL UW Equity	USD	US	ALPHABET INC-CL A
BIDU UW Equity	USD	KY	BAIDU INC - SPON ADR
ADBE UW Equity	USD	US	ADOBE INC
FICO UN Equity	USD	US	FAIR ISAAC CORP
PDD UW Equity	USD	KY	PINDUODUO INC
MA UN Equity	USD	US	MASTERCARD INC-CLASS A
RBLX UN Equity	USD	US	ROBLOX CORP
SNPS UW Equity	USD	US	SYNOPSYS INC
IOT UN Equity	USD	US	SAMSARA INC
SNOW UN Equity	USD	US	SNOWFLAKE INC
MSTR UW Equity	USD	US	MICROSTRATEGY INC-CL A
CSCO UW Equity	USD	US	CISCO SYSTEMS INC
YMM UN Equity	USD	KY	FULL TRUCK ALLIANCE -SPN ADR
ZETA UN Equity	USD	US	ZETA GLOBAL HOLDINGS CORP-A
LITE UW Equity	USD	US	LUMENTUM HOLDINGS INC
PANW UW Equity	USD	US	PALO ALTO NETWORKS INC
NICE UW Equity	USD	IL	NICE LTD
INTC UW Equity	USD	US	INTEL CORP
DDOG UW Equity	USD	US	DATADOG INC
AI UN Equity	USD	US	C3AI INC
OTEX UW Equity	USD	CA	OPEN TEXT CORP
CRWD UW Equity	USD	US	CROWDSTRIKE HOLDINGS INC
AMBA UW Equity	USD	KY	AMBARELLA INC
SOUN UQ Equity	USD	US	SOUNDHOUND AI INC-A
OPRA UW Equity	USD	KY	OPERA LTD
ALTR UW Equity	USD	US	ALTAIR ENGINEERING INC - A
SYNA UW Equity	USD	US	SYNAPTICS INC
ESTC UN Equity	USD	NL	ELASTIC NV
OKTA UW Equity	USD	US	OKTA INC
MTTR UQ Equity	USD	US	MATTERPORT INC
CHKP UW Equity	USD	IL	CHECK POINT SOFTWARE TECH L ORD
INFA UN Equity	USD	US	INFORMATICA INC
ALRM UW Equity	USD	US	ALARM.COM HOLDINGS INC
GLOB UN Equity	USD	LU	GLOBANT SA

FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

Ticker	Currency	Country	Company
NVMI UW Equity	USD	IL	NOVA LTD
NTAP UW Equity	USD	US	NETAPP INC
STNE UW Equity	USD	KY	STONECO LTD
JNPR UN Equity	USD	US	JUNIPER NETWORKS INC
RNG UN Equity	USD	US	RINGCENTRAL INC
CCCS UW Equity	USD	US	CCC INTELLIGENT SOLUTIONS HOLDINGS INC
FVRR UN Equity	USD	IL	FIVERR INTERNATIONAL LTD
CXM UN Equity	USD	US	SPRINKLR INC-A
CYBR UW Equity	USD	IL	CYBERARK SOFTWARE
PRO UN Equity	USD	US	PROS HOLDINGS INC
DOCN UN Equity	USD	US	DIGITALOCEAN HOLDINGS INC
ALGM UW Equity	USD	US	ALLEGRO MICROSYSTEMS INC
SDGR UW Equity	USD	US	SCHRODINGER INC
ATEN UN Equity	USD	US	A10 NETWORKS INC
SSTK UN Equity	USD	US	SHUTTERSTOCK INC
FRSH UW Equity	USD	US	FRESHWORKS INC
PEGA UW Equity	USD	US	PEGASYSTEMS INC
WIX UW Equity	USD	IL	WIX.COM LTD
MITK UR Equity	USD	US	MITEK SYSTEMS INC
GDYN UR Equity	USD	US	GRID DYNAMICS HOLDINGS INC
CERT UW Equity	USD	US	CERTARA INC
CNXN UW Equity	USD	US	PC CONNECTION INC
HIMX UW Equity	USD	KY	HIMAX TECHNOLOGIES INC
RSKD UN Equity	USD	IL	RISKIFIED LTD
SPNS UW Equity	USD	CW	SAPIENS INTERNATIONAL CORP NV
KC UW Equity	USD	KY	KINGSOFT CLOUD HOLDINGS LTD
IREN UW Equity	USD	AU	IRIS ENERGY LTD
CGNT UW Equity	USD	IL	COGNYTE SOFTWARE LTD
TIXT UN Equity	USD	CA	TELUS INTERNATIONAL CDA INC

FACTSHEET – October 11, 2024

Solactive Artificial Intelligence Merged Series 8 ER Index

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