

FACTSHEET - AS OF 20-Sep-2019

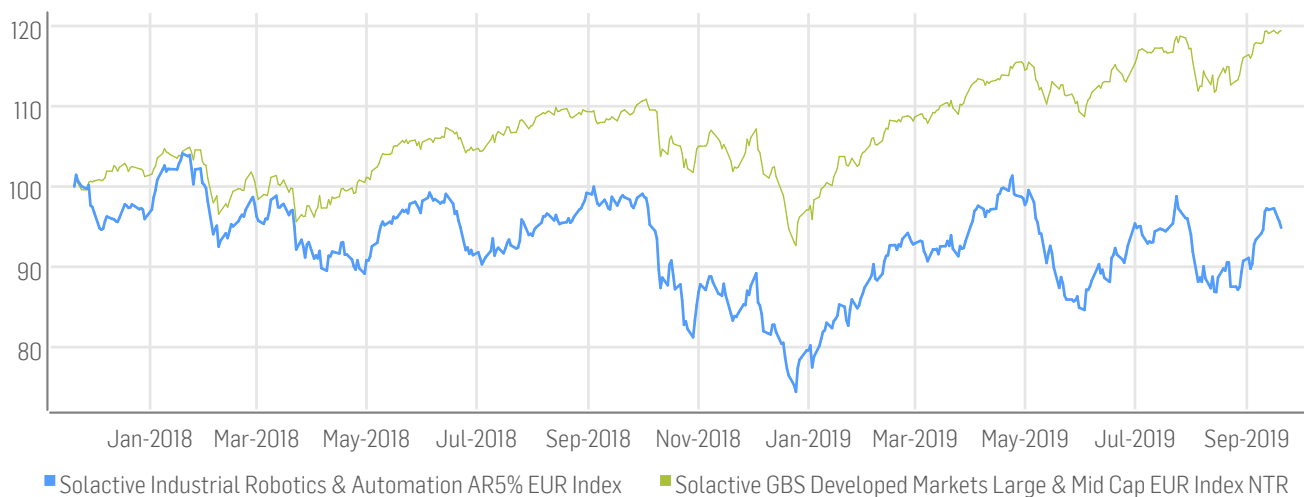
Solactive Industrial Robotics & Automation AR5% EUR Index

DESCRIPTION

The Solactive Industrial Robotics & Automation AR5% EUR Index aims to track a portfolio of companies whose products and services are focused on robotics and automatization solutions in an industrial context.

The Index is calculated as a Net Total Return (NTR) Index adjusted for a 5% decrement per annum deducted on a daily basis. The index currency is EUR.

HISTORICAL PERFORMANCE*



CHARACTERISTICS

ISIN / WKN	DE000SLA5D96 / SLA5D9	Base Value / Base Date	100 / 12.10.2012
Bloomberg / Reuters	SOLIROBE Index / .SOLIROBE	Last Price	270.92
Index Calculator	Solactive AG	Dividends	Reinvested (Total Return Index)
Index Type	Adjusted Return	Calculation	09:00am to 10:30pm (CET), every 15 seconds
Index Currency	EUR	History	12.10.12
Index Members	30		

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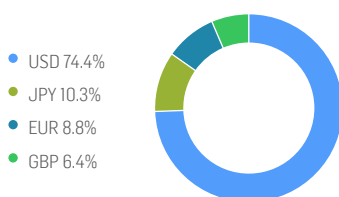
STATISTICS

	30D	90D	180D	360D	YTD	Since Inception
Performance	4.8%	3.7%	2.8%	-2.8%	19.2%	170.9%
Performance (p.a.)	-	-	-	-	-	15.4%
Volatility (p.a.)	20.6%	20.8%	20.5%	21.6%	19.7%	17.7%
High	277.79	282.08	289.41	289.41	289.41	297.29
Low	248.83	248.00	241.66	212.53	221.21	100.00
Sharpe Ratio	3.74	0.77	0.30	-0.12	1.42	0.89
Max. Drawdown	-3.8%	-12.1%	-16.5%	-24.9%	-16.5%	-28.5%
VaR 95 \ 99				-36.9% \ -65.8%		-30.8% \ -51.0%
CVaR 95 \ 99				-52.9% \ -66.7%		-42.7% \ -62.0%

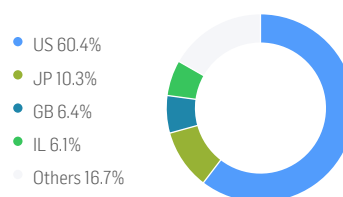
STATISTICS - GBS - Solactive GBS Developed Markets Large & Mid Cap EUR Index NTR

EUR	30D	90D	180D	360D	YTD	Since Inception
Performance	3.9%	4.2%	8.8%	9.5%	23.0%	19.4%
Performance (p.a.)	-	-	-	-	-	10.2%
Volatility (p.a.)	10.1%	12.8%	11.4%	13.1%	11.1%	11.9%
High	1205.43	1205.43	1205.43	1205.43	1205.43	1205.43
Low	1136.96	1127.72	1097.09	935.10	967.69	935.10
Sharpe Ratio	5.92	1.45	1.67	0.77	3.03	0.88
Max. Drawdown	-2.0%	-5.9%	-5.9%	-16.4%	-5.9%	-16.4%
VaR 95 \ 99				-24.4% \ -38.8%		-22.9% \ -37.7%
CVaR 95 \ 99				-33.3% \ -47.9%		-31.6% \ -45.7%

Composition by Currencies



Composition by Countries



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TOP COMPONENTS AS OF 20-Sep-2019

Company	Ticker	Country	Currency	Index Weight (%)
AMBARELLA INC	AMBA UW Equity	KY	USD	4.63%
LATTICE SEMICONDUCTOR CORP	LSCC UW Equity	US	USD	3.93%
DIODES INC	DIOD UW Equity	US	USD	3.66%
ALBANY INTERNATIONAL CORP	AIN UN Equity	US	USD	3.64%
INPHI CORP	IPHI UN Equity	US	USD	3.63%
SILICON LABORATORIES INC	SLAB UW Equity	US	USD	3.54%
OKUMA CORP ORD	6103 JT Equity	JP	JPY	3.51%
KORNIT DIGITAL LTD	KRNT UW Equity	IL	USD	3.51%
KEYENCE CORP ORD	6861 JT Equity	JP	JPY	3.51%
CYPRESS SEMICONDUCTOR CORP	CY UW Equity	US	USD	3.47%
NVIDIA CORP	NVDA UW Equity	US	USD	3.46%
QUALCOMM INC	QCOM UW Equity	US	USD	3.44%
INTEL CORP	INTC UW Equity	US	USD	3.43%
BROADCOM INC	AVGO UW Equity	US	USD	3.37%
EMERSON ELECTRIC CO	EMR UN Equity	US	USD	3.34%
MICROCHIP TECHNOLOGY INC	MCHP UW Equity	US	USD	3.32%
AMETEK INC	AME UN Equity	US	USD	3.32%
HALMA PLC	HLMA LN Equity	GB	GBP	3.31%
DMG MORI CO LTD	6141 JT Equity	JP	JPY	3.30%
MARVELL TECHNOLOGY GROUP LTD	MRVL UW Equity	BM	USD	3.28%
SEMTECH CORP	SMTC UW Equity	US	USD	3.16%
SPECTRIS PLC	SXS LN Equity	GB	GBP	3.12%
KONECRANES OYJ	KCR FH Equity	FI	EUR	3.08%
ADVANCED MICRO DEVICES	AMD UW Equity	US	USD	3.04%
IMA INDUSTRIA MACCHINE AUTOMATICHE SPA	IMA IM Equity	IT	EUR	3.01%
MAXLINEAR INC-CLASS A	MXL UN Equity	US	USD	2.99%
KENNAMETAL	KMT UN Equity	US	USD	2.96%
VALMET CORP	VALMT FH Equity	FI	EUR	2.75%
XILINX INC	XLNX UW Equity	US	USD	2.70%
STRATASYS LTD	SSYS UW Equity	IL	USD	2.62%

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