

The AtonRâ Artificial Intelligence & Robotics certificate is a long-only, monthly rebalanced, USD-based actively-managed certificate.

Thanks to increasing computing power and big data, artificial intelligence (AI) has been expanding at a fast pace, with notably major advances in the fields of natural language processing and computer vision.

The development of the Internet of Things and of standard operating systems for objects and devices could give another massive boost to AI applications over coming years. With this, smart cars, smart homes and smart factories could become reality sooner than expected.

Specifically, collaborative robots could be a major field of application as software recreating the human thought process combines with mechatronic devices gradually becoming able to replicate the five human senses. Robot adoption should benefit from falling costs and from increasing labor costs in emerging markets that make them an attractive ROI proposition.

Main Features

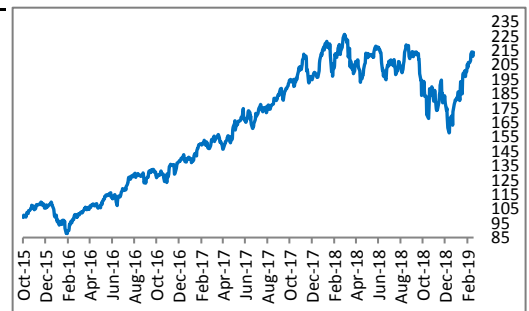
Asset Class	Equity
Inception Date	7-Oct-15
Currency	USD
Type of Return	Total Return
Ticker	NXSRARTI
ISIN	XS1035525325
Issuer	NATIXIS
Issue Price	100.0
Last Price	211.6
Sharpe Ratio	1.09
Correlation	0.69
Beta	1.36
Reference index	MSCI World Net Return

MONTHLY RETURNS (%)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2019	16.9%	6.8%											24.9%
2018	11.8%	-1.3%	-4.2%	-6.0%	7.7%	-5.4%	-0.3%	9.7%	-2.4%	-15.4%	6.2%	-11.2%	-13.7%
2017	2.9%	5.0%	5.2%	-0.9%	7.2%	-1.6%	5.3%	5.5%	2.4%	5.1%	3.2%	-2.8%	42.5%
2016	-9.8%	0.5%	8.0%	2.0%	6.5%	-0.8%	11.6%	0.5%	3.6%	-2.2%	3.5%	3.1%	27.9%
2015										3.6%	5.1%	-1.3%	7.5%

Highs/Lows

	Price	Date
All Time High	226.2	12-Mar-18
All Time Low	87.8	11-Feb-16



February 2019 highlights

The AtonRâ Artificial Intelligence & Robotics certificate gained 6.8% in February, outperforming the MSCI World Net Return by 3.8%. Year-to-date, it outperforms its reference index by 13.9% and launch-to-date (October 7, 2015 launch), it outperforms by 77%.

The arrival of 5G telecom networks (see our Innovation monthly report) is expected to spark the long-awaited takeoff of the Internet of Things (IoT). In a AI-driven world, one of the main questions right now about IoT is where the intelligence of connected devices will actually reside.

While the cloud is likely to remain a place of choice for AI since that's where data and IT computing power are, some applications will require real-time decision making untethered from cloud computing's latency and/or from weak connectivity.

This movement of bringing computing power out of the cloud to the edge of the network (devices) is called edge computing and will allow devices such as self-driving cars or military drones to process data instantly and hence operate faster and more efficiently thanks to local computing power and lightweight data storage.

Importantly, edge computing will open up new opportunities to technology vendors and specifically to semiconductor companies. While today's cloud infrastructure is industry-agnostic (the same clouds are used to run ecommerce operations or analyze X-ray images of a hospital patient for instance), edge computing will allow the customization of technologies embedded into devices to better suit each application's needs.

Hence, we'll see in coming years an increasing number of customized pieces of hardware (computing chips, storage, sensors...) for each single IoT application or industry, with software playing a major role as well.

FPGAs, which are programmable chips offered by the likes of **Xilinx** and **Intel's Altera**, seem to suit most edge computing requirements and offer several advantages over GPUs.

First, they are highly adaptive to specific needs thanks to their reconfigurability features. Second, they can handle large workloads at fast speeds. And third, they are highly power efficient (3-4 lower power consumption compared to a GPU), which is a major virtue given that many IoT devices will have electrical power constraints.

Xilinx, which has become our top pick in recent months on the back of its large telecoms (5G) exposure and increasing traction in data centers, should thus soon benefit from a new powerful driver for its FPGAs as edge computing proliferates.

Top 3 Contributors

Name
IFLYTEK CO LTD - A
XILINX INC
HANGZHOU HIKVISION DIGITAL-A

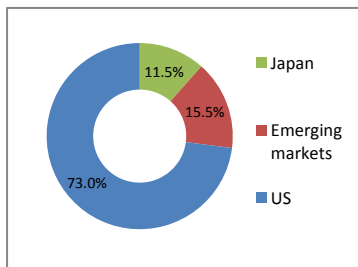
Worst 3 Contributors

Name
ADVANCED MICRO DEVICES
AMAZON.COM INC
BAIDU INC - SPON ADR

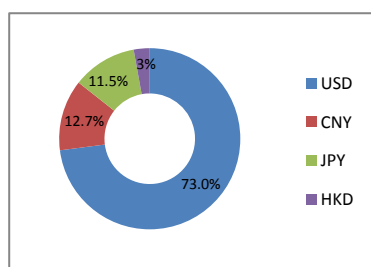
Top 3 Holdings

Name
XILINX INC
ADVANCED MICRO DEVICES
SPLUNK INC

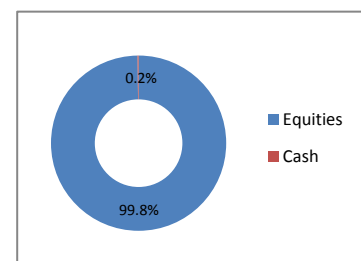
Geographical Breakdown



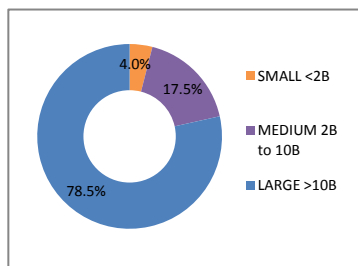
Currency exposure



Asset Allocation



Equity Market Capitalization



Equity Liquidity

1 to 3 days to liquidate*	100%
3 to 5 days to liquidate	0%
More than 5 days to liquidate	0%

*on average daily trading over the last 3M

Important Information

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