

ALGORITHMIC TRADING PORTFOLIO is an open-ended hedge fund with intraday trading frequency and high liquidity. The fund's objectives are to provide absolute returns with a moderate risk-return profile and low correlation to equity markets and other investments and asset classes. The fund seeks to achieve its objectives through the implementation of a portfolio of systematic trading models. The multi asset strategy trades ~42 global equity, metals, bonds, agriculture, energy and currency markets, using regulated, liquid and exchange traded financial instruments - futures. Long and short positions can be held seeking to profit from identified short, medium mean reversion seasonality and trend flowing patterns. Portfolio of ~350 independent automated trading systems aims to provide profit every month. Our strict risk management are based on a clearly defined set of rules, adjusting the portfolio dynamically to changing market conditions. Please visit https://www.orionam.lt/en/fondas/algorithmic-tradingportfolio and http://www.algo.lt/en for more details.

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M SUBFUND STATISTICS AFTER FEES (SINCE 201	3)
This month's result	-3.57%
Returns since Fund launch (2013)	32.21%
Last 12 months return	-8.30%
Positive months	68.57%
Max drawdown from peak	-12.14%
Annual volatility	6.94%
Sharpe	0.47
Number of traded futures	38
Number of algorithms during this month	63
Number of trades during this month	417
TRADING STATISTICS AFTER FEES (SINCE 2008)	
Returns since model live trading (2008)	198.28%
Positive months	69.09%
Max drawdown from peak	-12.14%
Annual volatility	9.48%

# UNIT VALUE 160 Algorithmic Trading Portfolio M subfund USD Managed Account Before Fund Inception 140 SG CTA index 120 Dow Jones Industrial Avg. Gold 100 80 60 40 20 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

### MANAGER MONTHLY REPORT

Algorithmic Trading Portfolio subfund M Liquidity Monthly Lock-up period None Recommended investment term 6+ months Average margin to equity 7.24% Fund size \$2.2 MM Fund unit price (Class A), USD 132.2130 Fund unit price (Class B), EUR 132.2131 Fund currency USD, EUR ISIN code LTIF00000559

Sharpe

Strategy

M SUBFUND FACTS

Domicile Lithuania Type Open ended IISKIS High watermark Management company Orion Asset Management **Fund Administrator Orion Securities** Depository AB SEB bank Regulator Bank of Lithuania Auditor Ernst & Young Baltic UAB Broker **Trade Station Securities** Management fee 1% Subscription fee Up to 3.0% Success fee 20% Redemption fee No charge Target annual returns



0.87

15%

Technical analysis

Aistis Raudys, Ph.D. in artificial intelligence, 10 v. in finance, former Deutsche Bank and Société Générale quantitative researcher. Author of ATP models and strategies.

During September value of Algorithmic Trading Portfolio Fund shrank by 3.57%. Unsuccessful trading of bond and energy sector futures contributed the most to the loss (-3.94% and -1.42%, respectively). Algorithms worked profitably in the metals (+1.20%), currency (+0.39%) and stock index (+0.17%) sectors. Among individual futures the best performers were copper (+0.89%), Canadian dollar (+0.47%) and gold (+0.22%). The most significant losses were generated by trading of long-term British Gilt bonds (-1.84%), natural gas (-1.33%), Euro Buxl and 2-year US bonds (-0.88% and -0.68%, respectively).

Major developed market stock indexes were down in September after a prolonged period of growth. The correction in the markets confirmed September as the worst month of the year for equities statistically. European stock indexes shrank by about 3.5% (DAX -3.63%, Euro Stoxx 50 -3.53%). US indexes fell slightly more (NASDQ Composite -5.31%, DJIA -4.29%, S&P 500 -4.76%). In September, the FED, the British BOE and the European ECB all announced similar news, saying that they will be slowing down asset purchases. The FED and the BOE have also promised to raise key interest rates in the near future. This, along with the improving Covid situation in the Western world, has caused government bonds to

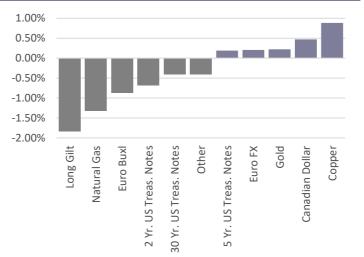
Э	2.00% ¬					1.20%	
3	1.00% -	0.04%	0.39%				0.17%
5	0.00% -	0.0470					0.1770
0	-1.00% -						
ó	-2.00% -			-1.42%			
ó	-3.00% -						
5	-4.00% -				-3.94%		
,	-5.00%				-5.94%		
0	3.3070	Agriculture	Currencies	Energy	Bonds	Metals	Indexes

TRADING RESULTS (AFTER FEES)													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	YTD
2008	-1.38%	-0.88%	-0.18%	-0.58%	1.62%	2.38%	3.61%	0.49%	6.25%	8.89%	2.49%	4.33%	29.98%
2009	1.53%	-5.08%	5.88%	0.81%	3.37%	4.49%	0.70%	1.61%	2.71%	-1.76%	-0.40%	0.02%	14.27%
2010	-2.82%	2.50%	0.33%	3.21%	-4.71%	2.66%	5.40%	0.81%	2.95%	1.36%	1.93%	1.87%	16.17%
2011	3.07%	-1.64%	-2.13%	1.21%	0.37%	-4.18%	3.55%	7.57%	-8.40%	10.95%	-2.69%	2.89%	9.47%
2012	2.55%	3.25%	-0.17%	-1.45%	-4.20%	1.88%	2.20%	4.49%	5.08%	0.64%	9.00%	-4.56%	19.45%
2013	1.17%	2.97%	-2.34%	1.75%	2.16%	1.02%	2.37%	-0.53%	2.79%	0.27%	0.62%	0.92%	13.86%
2014	-3.92%	3.07%	2.77%	2.06%	1.43%	0.76%	0.08%	-2.13%	2.54%	3.27%	-1.28%	2.59%	11.50%
2015	-0.65%	1.62%	1.48%	0.61%	2.86%	0.02%	-1.85%	-10.48%	0.94%	-0.41%	-0.20%	0.56%	-6.01%
2016	-0.32%	2.35%	2.30%	1.67%	-0.01%	0.48%	1.33%	0.45%	0.43%	-1.74%	0.82%	0.13%	8.10%
2017	1.50%	0.98%	-0.42%	0.27%	1.07%	-0.37%	2.24%	2.14%	0.91%	0.88%	0.82%	1.32%	11.89%
2018	-2.25%	-6.20%	0.21%	-0.58%	0.50%	0.46%	-0.28%	-0.52%	-1.44%	-0.15%	0.33%	0.24%	-9.45%
2019	1.00%	0.99%	1.39%	1.21%	0.41%	1.41%	1.63%	0.87%	0.94%	0.82%	1.43%	0.77%	13.65%
2020	-4.74%	-0.31%	-2.80%	1.24%	-0.68%	-0.52%	0.42%	2.75%	1.87%	-1.84%	0.37%	0.87%	-3.54%
2021	1.14%	-3.35%	1.96%	0.31%	0.87%	-2.58%	-0.76%	-1.85%	-3.57%				-7.72%

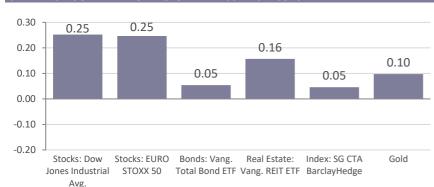


### MONTHLY PROFIT/LOSS BY INSTRUMENT

One key part of our trading success is multi strategy approach. Models exploit short term mean reversion, short term trend following, short term seasonality and index inefficiencies. Some strategies work on minute to hour frequency and some work on daily or even weekly data. These models are used for more than 40 different futures contracts. Put together, they create numerous independent trading patterns. Single strategy will almost always suffer from periods of zero or negative returns. Having several hundred fundamentally different models in our portfolio allows us to compensate one's losses by gains of other models. Therefore, whole fund performance is almost always positive with more than 70% of positive months. Average monthly losses are similar to average monthly profits. All of it results in almost steady performance, however risk is not entirely eliminated.



### STRATEGY CORRELATION TO OTHER ASSET CLASSES

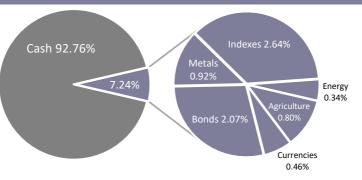


Trading results show almost nonexistent correlation to asset classes returns. Correlation in range -0.3 to 0.3 means that relationship between returns is weak. Therefore, Fund's results are only weakly affected by asset classes rises and falls in a long term. Thus returns usually do not depend on whether for example stock market gains or loses value. For further information about Fund's returns correlation please click here:

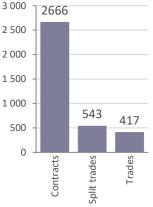
www.algo.lt/wp-content/uploads/ATPkoreliacijos-EN.pdf

## FUND ALLOCATION

A large cash reserve is essential for risk management of the investments. It ensures that trading is successfully maintained even if a part of funds is lost. The average trading margin allocation is 5%-30%. Cash is held in bank account at SEB (Lithuania) and/or in J.P. Morgan (USA) at the broker (TradeStation) segregated account. To reduce unused cash share, some of funds may be invested in most liquid very low risk short term USA treasury notes and/or EU bonds

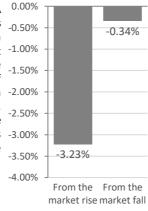


# MONTHLY TRADING VOLUME



All trade sizes are different. A quantity for every strategy is determined by diversification principals and current market  $^{\text{-}1.00\%}$ and strategy behaviour. We constantly improve execution of around 2000 trades per month in -2.00% order to maximise trading effect. One of the methods: trades are split and executed with less quantity per trade to reduce market impact.

## MONTHLY PROFIT FROM MARKET RISE/FALL



At any point, strategy can be long, short or flat, so profits can be generated in rising and falling markets. It results in steadier performance regardless of current economic cycle, crisis, recession. Even in a calm period market tends to move like waves: fall and rise in a short (few days) period. Fund's strategies trades on these few days moves and can make profit even when selling in a rising market or buying in a falling one.

# LIST OF TRADED FUTURES

Indexes DAX Dow

NASDAQ 100

S&P 400 S&P 500

**EURO STOXX 50 FTSE 100** 

Russell 2000

Nikkei 225

**CBOE** Volatility Index

#### Energy

Natural gas

Gasoil

Gasoline

Heating oil

Crude oil

### Metals

Platinum

Gold

Palladium

Silver Copper

#### **Bonds**

2 Yr U.S. treasury notes

5 Yr U.S. treasury notes

10 Yr U.S. treasury notes

30 Yr U.S. treasury notes

Euro bobl Euro bond

Euro buxl

Euro schatz

Long gilt

# Currencies

Euro FX

Australian dollar

British pound

Japanese yen

Canadian dollar

N. Zealand dollar

Swiss franc

# Agriculture

Cacao

Coffee

Corn

Feeder cattle

Soybeans

Sugar

Soybeans oil

Soybeans meal

Wheat

## IMPORTANT INFORMATION

Algorithmic Trading Portfolio (Investment fund) is alternative investment fund designed for Professional or Informed investors only and supervised by the Bank of Lithuania. The information contained in this document does not constitute a solicitation or offer to invest in any financial products. It does not constitute legal or fiscal advice nor does it provide specific investment advice. Detailed information about the fund can be found in the fund's rules, prospectus and Key investor information document that can be obtained from Orion Asset Management. The data has been compiled from sources deemed reliable and is accurate to the best of our knowledge; however, we accept no obligation whatsoever from the information given. Orion Asset Management assumes no (direct or indirect) liability for any losses which result from the data and information published herein. The offering and sale of the products described in this document is legally restricted in certain jurisdictions. Persons who are subordinate to such jurisdictions have to inform themselves about such restrictions and must adhere to them. The prices stated are net of all fees; front load and taxes have not been taken into account. The potential for high returns of this investment strategy is combined with significant risks. Even a total loss of the invested capital is possible. Performance from the past is no guarantee of future results. Funds management company is not liable for the losses of the fund suffered due to the fluctuations of financial markets. It is strongly recommended to overview Fund's Prospect and Articles of Association before making a decision to invest in the Fund. In this document results are shown for USD class of fund only. EUR class results can slightly differ in the period from October 2015 to February 2016. For more information, https://www.orionam.lt/en/fondas/algorithmic-trading-portfolio