

# **M SUBFUND MONTHLY REPORT** 2021 DECEMBER

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.

M SUBFUND STATISTICS AFTER FEES (SINCE 2013	3)	UNIT V	ALUE
This month's result	1.67%	180	
Returns since Fund launch (2013)	31.63%	100	Algorithmic Trading Portfolio M subfund USD
Last 12 months return	-8.13%	160	5 5
Positive months	67.59%		Managed Account Before Fund Inception
Max drawdown from peak	-12.83%	140	SG CTA index
Annual volatility	6.90%	120	Dow Jones Industrial Avg.
Sharpe	0.45	120	Gold
Number of traded futures	28	100	
Number of algorithms during this month	60		hun K
Number of trades during this month	79	80	
TRADING STATISTICS AFTER FEES (SINCE 2008)		60	
Returns since model live trading (2008)	196.96%	00	and the second s
Positive months	68.45%	40	
Max drawdown from peak	-12.83%		
Annual volatility	9.42%	20	*
Sharpe	0.86	200	8 2009 2010 2011 2012 2013 2014 2015 2016



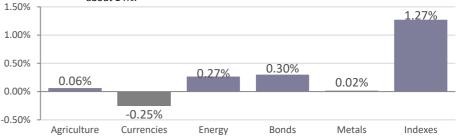
## MANAGER MONTHLY REPORT



M SUBFUND FACTS

Algorithmic Trading Portfolio earned 1.67% in December. The highest gains were earned from the stock index (+1.27%), bond (+0.30%) and energy (+0.27%) asset classes. The solely negative sector was currencies (-0.25%). Looking at individual futures, the algorithms performed best when trading S&P 400 (+0.35%), Russell 2000 (+0.32%), S&P 500 (+0.31%) and DOW 30 (+0.29%) stock index futures. Profits were reduced by losses from Australian dollars (-0.25%), 30-year US bonds (-0.16%) and soybeans (-0.10%).

World markets recovered in December from the previous month's slump, which was caused by the initial scare of the new version of the Covid-19. With the variant appearing to be less serious in terms of mortality and vaccine resistance, most countries did not take any significant restrictions, which were predicted shortly after the emergence of Omicron. Those equity markets that suffered most in November such as the UK and Europe grew more than the US in December. In the bond sector, longer-term government debt yields rose slightly. However, shorter-term bond yields have risen significantly in response to a faster than expected exit from expansive monetary policies. In the commodity market, energy prices rose sharply, returning to the level of November. The price of oil rose by about 14%.



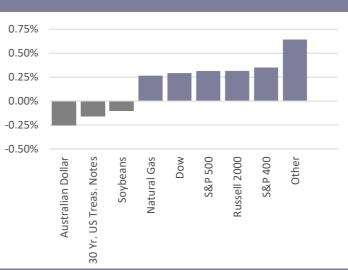
TRADING	RESULTS (A	FTER FEES)											
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	YTD
2008	-1.38%	-0.88%	-0.18%	-0.58%	1.62%	2.38%	3.61%	0.49%	6.25%	8.89%	2.49%	4.33%	29.98%
2009	1.53%	-5.08%	5.88%	0.81%	3.37%	4.49%	0.70%	1.61%	2.71%	-1.76%	-0.40%	0.02%	14.27%
2010	-2.82%	2.50%	0.33%	3.21%	-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%	-0.21%	-1.87%	1.67%	-8.13%

The results have been generated live trading Managed Account (5 months are solely backtesting results in italic). Same trading approach and models have been implemented within ALGORITHMIC TRADING PORTFOLIO Fund starting 2013-01. 2011 and 2012 performance results are presented in accordance with UAB KPMG Baltics Independent Reasonable Assurance Report. Since 2013 results are verified by SEB depository bank. Different fees were applied in particular periods. Since 2008-01-01 to 2012-12-31 results include pro forma management fee 1% and pro forma performance fee 20%. Since inception of the Fund (2013) results are displayed after Fund's fees



## 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.

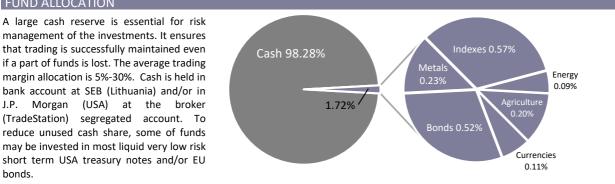


## STRATEGY CORRELATION TO OTHER ASSET CLASSES



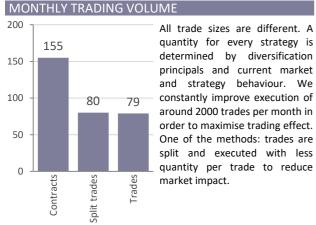
results show Trading almost nonexistent correlation to asset classes returns. Correlation in range -0.3 to 0.3 means that relationship between returns is weak. Therefore, Fund's results are only weakly affected by asset classes rises and falls in a long term. Thus returns usually do not depend on whether 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

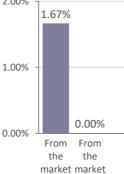


FUND ALLOCATION

bonds



MONTHLY PROFIT FROM MARKET RISE/FALL 2.00%



rise

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

0
Сасао
Coffee
Corn
Feeder cattle
Sugar
Soybeans
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

fall