

# Sentinel US Gurus 175 Long/Short Strategy

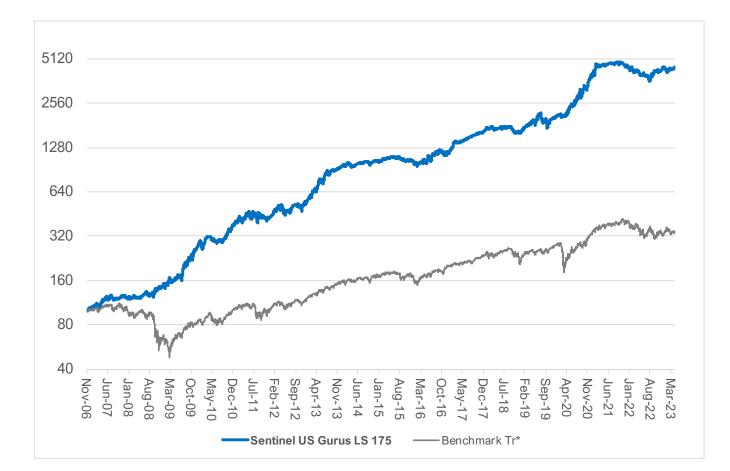
a Member of the Sentinel Family of Investment Strategies

**For Professional Investors and Market Counterparties only** 

**April 2023** 

## Separately Managed Account Live Track Record





	Sentinel US Gurus LS 175	Benchmark Tr*	Delta
Total Return	4345.1%	244.8%	4100.3%
CAGR	25.9%	7.8%	18.1%
Volatility (ann.)	17.5%	22.2%	-4.7%
Max Drawdown	-26.2%	-56.7%	30.5%
Calmar ratio	0.99	0.14	0.85
Sharpe ratio	1.58	0.52	1.06
Sortino ratio	4.14	1.21	2.93

Daily data is utilised for this analysis. The performance information is gross of fees basedon the NOT AUDITED track record of the investment managed by the principals of NAVA Capital for a Swiss single family office but does not necessarily reflect the deduction of all expenses.

\*The Benchmark is 50% S&P500 Tr and 50% Russell 2000 Tr

## **Portfolio and Strategy Key Facts**



# Type of instruments traded:

listed instruments such as

- equities,
- options,
- futures and
- ETF's only.

# Liquidity profile of underlying assets:

- US listed stocks only
- applying strict liquidity filter to avoid slippage
- liquidity of underlying assets in line with applicable redemption terms

# Expected gross and net exposure

- LMV gross range: 100% to 175%
- SMV gross range: 0% to 150%
- Range for total gross: 100% to 250%
- Net Exposure: -50% to +175%

## Expected number of positions:

approx. 275-350

## Expected size of individual positions:

between 0.1% and 2%

#### Typical position concentrations (as % of equity):

- Top 5: approx. 7% to 10%
- Top 10: approx. 10% to 15%
- Top 20: approx. 15% to 25%

#### Trading frequency:

Core portfolio once a quarter; beta overlay 5 to 30 times p.a. (historically)

## **Strategy features**



LICD 1m

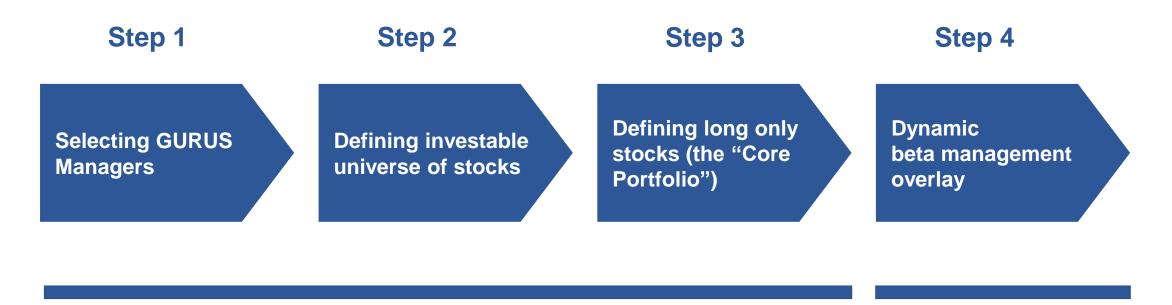
#### Approx. 18x outperformance to the S&P 500 TRI in approx. 16 years

Portfolio of	Dynamic	Outperform	invested as of
US-listed stocks	net exposure	the index	Nov. 15, 2006 *
built and managed by using multi- layered quantitative filters and a dynamic Beta Management Overlay	allows a net exposure between -50% and +175%	goal is to consistently outperform the S&P 500 TR Index by high-single digit returns, with similar or lower volatility	US Gurus 175 L/S: Approx. <b>USD 44.5m</b> Benchmark: Approx. <b>USD 3.4m</b>

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## **Investment Process - Summary**





#### Quarterly

**On-going** 

## Step 1 Investment Process – Gurus Managers Selection

- Identification of Best-in-Class Managers (the GURUS)
- Manager must submit quarterly to SEC 13F filing
- Concentrated portfolios, low turnover and well-defined factor expositions are important
- Expertise, experience and consistency is key to selecting managers
- We are not looking for benchmark huggers

Approx Manag	Constantly Monitored	List started in 2006
<b>Approx</b>	Approx. 7.1Q	Approx. 80%
Median fu	Median holding period	Median concentration

## **Step 2 Investment Process – Define universe of investable stocks**



Holdings of the managers in our universe are sourced directly from the SEC 13F filing

Step 1

A number of stocks universes are created from the selected managers holdings Step 2

Universes are based on managers conviction or proxies of consensus among all the manager

#### Result

The final result is a meta-universe of approximately 1'000-1'200 stocks



## Step 3 Investment Process – Define Core Portfolio



Approximately 30 independent quantitative screens are run on the meta-universe using combinations of the following factors:

Value

•

Buybacks

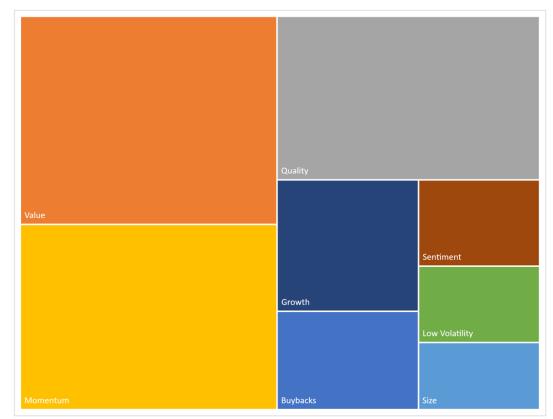
• Momentum

- Low volatility
- Balance sheet and earnings quality
- Sentiment
- Size

Growth

Each factor is expressed in different ways always aiming at the extreme tail of their distribution by selecting only 5-10 stocks each

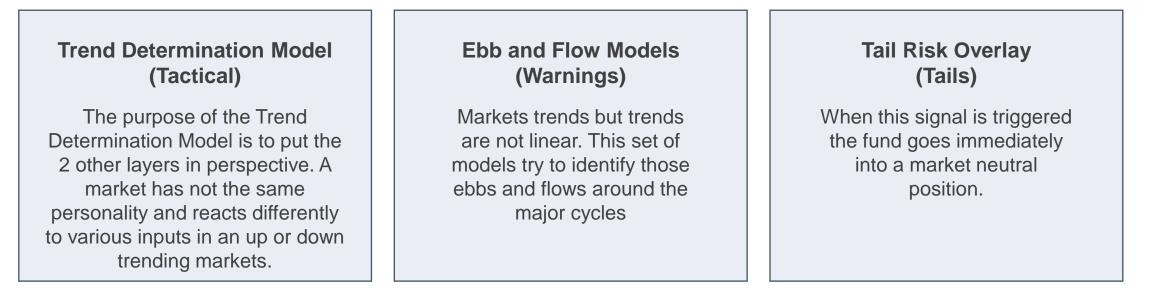
This steps leads to our Core Portfolio which includes approx. 275-350 stocks



## Step 4 Investment Process – Dynamic Beta Management Overlay



The dynamic portfolio beta management overlay is composed of three successive layers:



Based on the signals the PM adjusts the positions so to match the net allocation as per the dynamic portfolio beta management overlay

- Bullish signal: buy more stocks of the Core Portfolio
- Bearish signal: short through futures or deep-in-the-money put options on index

## **Risk Management**



# Risk Management is embedded in each step of the investment process through our Sentinels

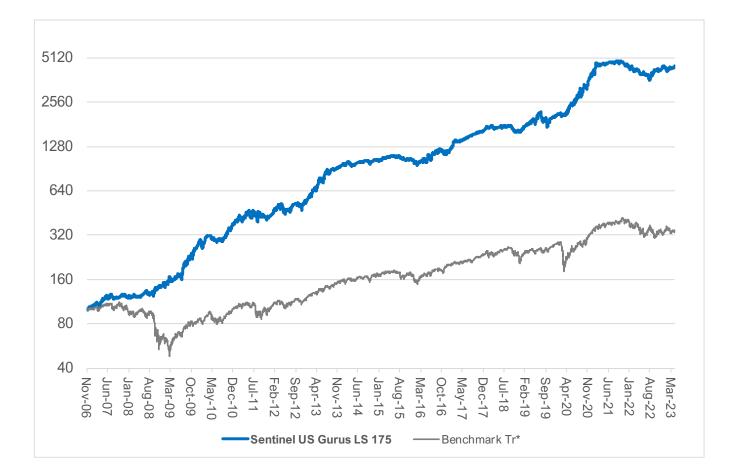
- The initial universe comprised stocks which have been analyzed and selected by managers which we have identified as being best-in-class
- The quantitative filters incorporate numerous factors limiting the risk of investing into value traps, fads or frauds
- Each family of quantitative filters is expressed in many different ways => decreases the risk of putting to much weight on the wrong ones at the wrong time. The strategy is as agnostic as possible to its parameters
- The dynamic portfolio beta management overlay model helps us avoiding prolonged bear markets and fundamental tail events => Asymmetric beta is alpha.
- We do not manage risks using VAR or other similar models as they tend to encourage risk taking at the worst moments and being used by lots of actors, they increase the risk of being caught wrong-footed with most other investors. It explains our low correlation to traditional quantitative stocks strategies. We prefer to leave the party before the end of the last dance
- We do not use stop losses at the stock or overlay level



# **Performance and Risk Analysis**

## Separately Managed Account Live Track Record





	Sentinel US Gurus LS 175	Benchmark Tr*	Delta
Total Return	4345.1%	244.8%	4100.3%
CAGR	25.9%	7.8%	18.1%
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### **Summary of returns** the power of managing risk and compounding

	Sentinel US Gurus LS 175	Benchmark Tr*	Delta
Total Return	4345.1%	244.8%	4100.3%
CAGR	25.9%	7.8%	18.1%
Volatility (ann.)	17.5%	22.2%	-4.7%
Max Drawdown	-26.2%	-56.7%	30.5%
YTD return	-0.9%	5.1%	-6.0%
1 year return	7.1%	-0.4%	7.5%
3 year return	102.0%	50.6%	51.4%
5 year return	161.5%	45.4%	116.2%
10 year return	541.2%	166.1%	375.1%
Since Nov 15, 2006 (strategy inception)	4345.1%	244.8%	4100.3%

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### **Capture Ratio**

Up Capture, by Strategy/Benchmark pair

Strategy	Benchmark Tr*
Sentinel US Gurus LS 175	94.11%

Down Capture, by Strategy/Benchmark pair

Strategy	Benchmark Tr*
Sentinel US Gurus LS 175	11.70%

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## Significant S&P 500 Drawdowns



Event	Sentinel US Gurus LS 175	Benchmark Tr*
Initial Phase GFC (10.2007-11.2008)	19.41%	-52.06%
Covid Meltdown (3.2020)	-1.03%	-37.19%
Final Phase GFC (1.2009-3.2009)	8.70%	-28.87%
Autumn 2018 Fed Scare (9.2018-12.2018)	-9.91%	-20.89%
Euro Crisis (4.2011-10.2011)	-5.64%	-20.78%
Greek Crisis (4.2010-7.2010)	-10.73%	-16.66%
China/Fed Scare (7.2015-2.2016)	-13.41%	-18.59%

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## **Significant Sentinel US Gurus Drawdowns**

Start	End	Length (days)	Drawdowns
9/8/2021	3/31/2023	569	-26.24%
7/29/2019	4/27/2020	273	-21.10%
7/8/2011	2/13/2012	220	-16.18%
4/30/2012	9/4/2012	127	-15.39%
6/24/2015	6/1/2016	343	-14.59%
1/20/2010	3/5/2010	44	-12.61%

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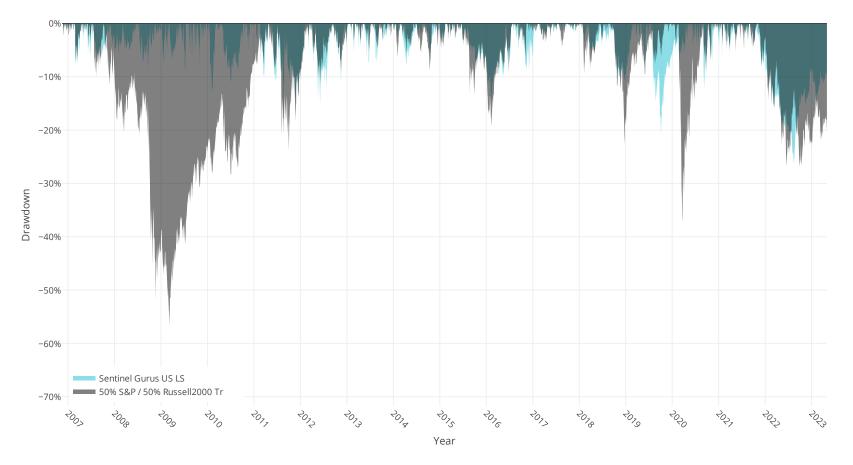
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## **Underwater Analysis**



Underwater



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## **Triangle Analysis**



Average yearly return

Sell

		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
9	0	4.95	11.15	14.04	29.29	30.88	27.5	27.46	32.58	29.71	26.45	24.93	26.31	23.9	24.16	27.8	27.08	25.08	23.47	2006
			17.72	18.88	38.6	38.31	32.55	31.66	37.08	33.19	29.09	27.13	28.46	25.62	25.77	29.61	28.71	26.45	24.65	2007
8	0			20.05	50.39	45.95	36.55	34.63	40.6	35.56	30.59	28.22	29.59	26.37	26.47	30.58	29.53	27.06	25.1	2008
					88.41	60.92	42.54	38.55	45.12	38.33	32.17	29.27	30.69	27.02	27.07	31.49	30.29	27.58	25.44	2009
7	0					37.44	23.97	25.06	35.95	30.04	24.59	22.5	24.85	21.57	22.16	27.26	26.35	23.81	21.85	2010
							11.83	19.29	35.46	28.25	22.16	20.17	23.15	19.72	20.57	26.29	25.39	22.73	20.73	2011
6	0							27.25	49.08	34.25	24.89	21.92	25.14	20.89	21.71	28.01	26.83	23.77	21.5	2012
5	0								74.66	37.89	24.12	20.62	24.73	19.87	20.94	28.1	26.78	23.43	20.99	2013
	0									8.86	4.63	6.62	14.66	11.17	13.76	22.55	21.81	18.76	16.63	2014
4	0										0.56	5.51	16.66	11.76	14.76	25.0	23.78	20.06	17.53	2015 Âng
												10.71	25.65	15.76	18.61	30.55	28.14	23.14	19.84	2016
3	0												42.6	18.37	21.37	36.05	31.94	25.34	21.2	2017
														-1.74	11.98	33.93	29.4	22.15	17.96	2018
2	0														27.6	56.36	41.83	28.98	22.35	2019
																91.6	49.54	29.44	21.07	2020
1	0																16.7	6.39	3.9	2021
																		-3.01	-1.97	2022
0																			-0.93	2023

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\*The Benchmark  $% 10^{-1}$  is 50% S&P500 Tr and 50% Russell 2000 Tr  $% 10^{-1}$ 

## **Correlation Matrix**

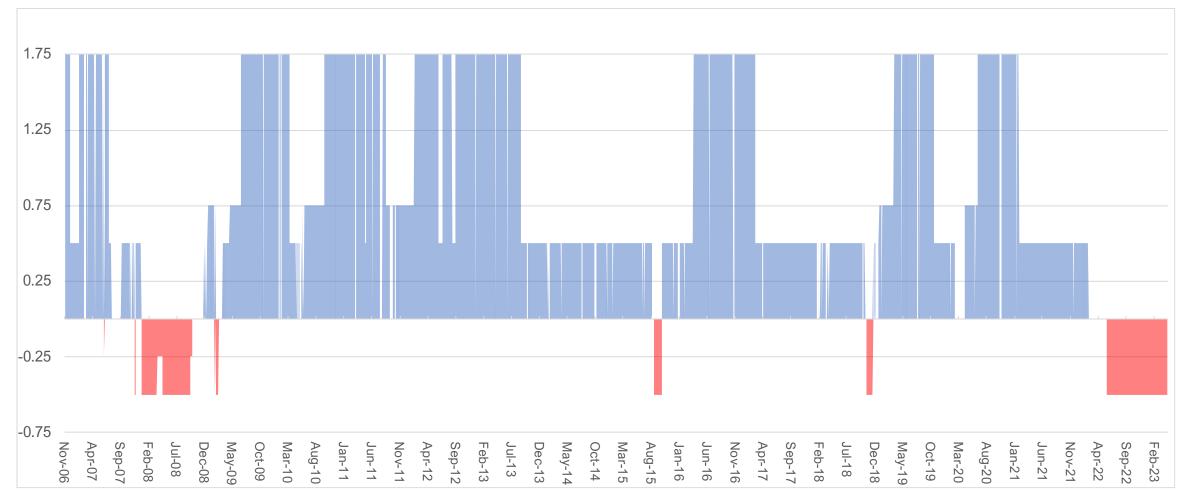


	Sentinel US Gurus LS 175	Benchmark Tr*
Sentinel US Gurus LS 175	1	0.37
Benchmark Tr*	0.37	1

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## **Net Allocation Analysis**

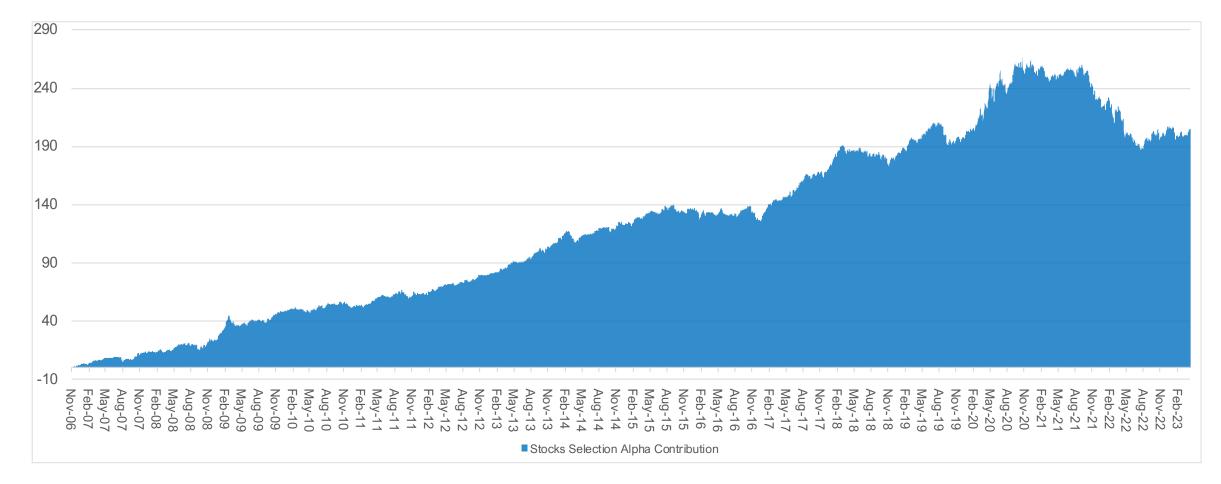


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## Stock Selection Contribution (rolling alpha vs Benchmark)



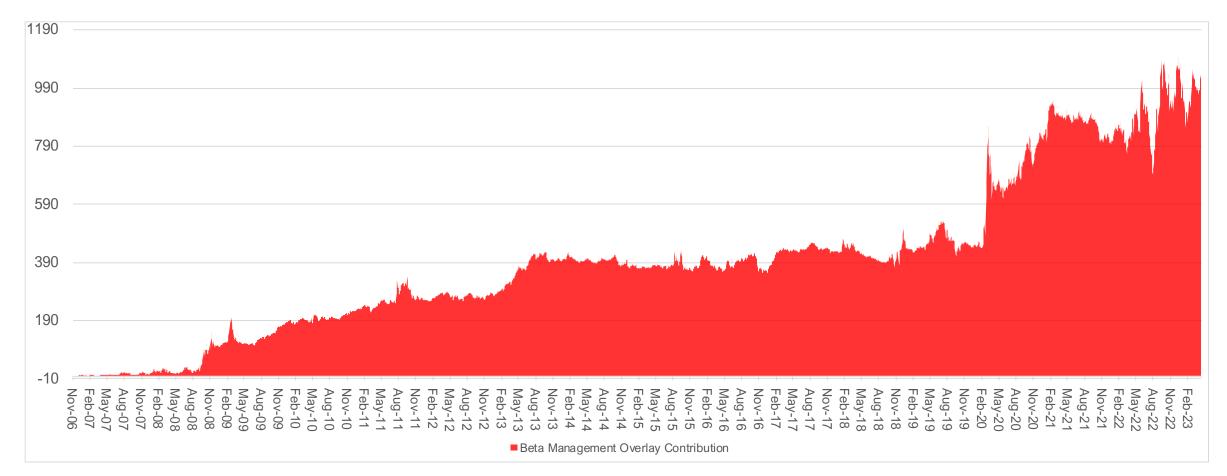


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## Beta Management Contribution (excess return vs Benchmark)





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## Monthly Returns – Sentinel US Gurus 175 L/S

Year	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	-4.04%	0.47%	0.62%	1.77%	-	-	-	-	-	-	-	-	-1.27%
2022	-4.11%	-2.37%	-2.26%	-1.89%	-4.17%	-0.46%	-2.44%	1.33%	8.73%	-0.07%	-0.82%	6.33%	-3.01%
2021	4.27%	12.37%	-1.93%	3.73%	0.30%	1.89%	-0.69%	1.14%	-1.76%	1.35%	-4.98%	0.83%	16.70%
2020	1.79%	-0.54%	1.39%	6.09%	9.47%	1.81%	7.26%	12.36%	-0.08%	6.58%	11.83%	9.99%	91.60%
2019	6.36%	4.34%	1.70%	5.70%	-5.60%	13.27%	3.36%	-8.86%	-6.17%	6.48%	5.25%	0.98%	27.60%
2018	6.40%	-0.12%	-2.64%	-0.31%	1.60%	0.33%	-0.22%	2.89%	-0.42%	-7.39%	-0.88%	-0.41%	-1.74%
2017	9.68%	8.72%	1.58%	1.15%	0.64%	2.86%	3.31%	2.73%	1.10%	1.99%	0.42%	2.31%	42.60%
2016	-4.20%	0.48%	2.74%	-0.15%	7.42%	-4.24%	9.41%	0.77%	4.18%	-3.30%	-1.76%	-0.12%	10.71%
2015	-1.57%	4.20%	0.59%	1.01%	2.06%	-0.85%	-0.16%	-2.34%	-0.54%	-1.01%	-0.17%	-0.49%	0.56%
2014	1.85%	2.68%	-2.61%	-1.61%	3.21%	2.09%	-0.73%	3.06%	-1.14%	-0.27%	3.57%	-1.31%	8.86%
2013	6.55%	3.74%	10.60%	5.45%	7.67%	0.82%	13.33%	-3.25%	7.49%	-0.17%	3.32%	2.67%	74.66%
2012	5.08%	7.88%	5.72%	0.23%	-9.32%	2.30%	1.54%	6.94%	-0.86%	-2.23%	4.23%	4.09%	27.25%
2011	2.81%	6.17%	0.01%	8.91%	3.12%	-4.36%	-4.01%	7.73%	-7.47%	0.58%	-1.48%	0.61%	11.83%
2010	-4.43%	7.45%	9.86%	0.49%	-3.20%	-6.87%	4.44%	-2.18%	7.78%	8.64%	2.98%	9.16%	37.44%
2009	-0.25%	6.85%	-0.25%	3.28%	4.55%	1.29%	14.20%	5.30%	9.52%	1.10%	11.03%	9.61%	88.41%
2008	-1.57%	1.80%	-0.65%	-1.42%	3.07%	4.81%	0.38%	-2.96%	1.35%	6.73%	2.74%	4.59%	20.05%
2007	1.59%	-0.89%	1.98%	7.43%	6.88%	-2.81%	1.46%	-1.12%	-0.40%	3.60%	0.73%	-1.48%	17.72%
2006	-	-	-	-	-	-	-	-	-	-	1.10%	3.81%	4.95%

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## **Monthly Returns – Benchmark Tr**



Year	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	8.03%	-2.12%	-0.59%	-0.03%	-	-	-	-	-	-	-	-	5.08%
2022	-7.36%	-1.07%	2.45%	-9.33%	0.21%	-8.30%	9.89%	-3.03%	-9.45%	9.64%	3.87%	-6.13%	-19.31%
2021	2.01%	4.58%	2.96%	3.56%	0.48%	2.06%	-0.60%	2.66%	-3.76%	5.60%	-2.58%	3.46%	21.94%
2020	-1.59%	-8.38%	-16.96%	13.24%	5.67%	2.61%	4.38%	6.28%	-3.50%	-0.20%	14.54%	6.20%	19.47%
2019	9.63%	4.21%	-0.14%	3.75%	-7.12%	6.97%	1.10%	-3.30%	1.99%	2.47%	3.84%	2.84%	28.34%
2018	4.09%	-3.74%	-0.77%	0.75%	4.31%	0.60%	2.67%	3.75%	-0.87%	-8.93%	1.79%	-10.38%	-7.80%
2017	1.03%	2.93%	0.08%	1.07%	-0.28%	1.99%	1.46%	-0.47%	4.17%	1.52%	2.99%	0.40%	18.12%
2016	-6.71%	-0.12%	7.37%	0.98%	2.07%	0.12%	4.78%	0.95%	0.53%	-3.18%	7.34%	2.46%	16.91%
2015	-3.13%	5.76%	0.11%	-0.81%	1.77%	-0.63%	0.56%	-6.20%	-3.74%	7.08%	1.80%	-3.43%	-1.68%
2014	-3.12%	4.67%	0.04%	-1.49%	1.54%	3.69%	-3.78%	4.43%	-3.66%	4.43%	1.46%	1.29%	9.30%
2013	5.69%	1.09%	4.13%	0.94%	3.08%	-1.08%	6.30%	-3.07%	4.86%	3.48%	3.46%	2.27%	35.46%
2012	5.92%	3.37%	2.94%	-1.19%	-6.23%	4.67%	-0.29%	3.09%	2.82%	-2.29%	0.85%	2.30%	16.48%
2011	0.95%	4.51%	1.24%	2.82%	-1.50%	-2.04%	-2.87%	-7.14%	-8.98%	12.94%	-0.31%	0.70%	-1.36%
2010	-3.49%	3.75%	7.16%	3.60%	-7.66%	-6.51%	6.85%	-5.82%	10.51%	4.04%	1.68%	7.41%	21.27%
2009	-8.98%	-11.42%	7.95%	12.91%	4.57%	0.70%	8.54%	3.25%	4.53%	-4.19%	4.60%	4.74%	27.24%
2008	-6.34%	-3.01%	-0.33%	4.49%	2.96%	-7.87%	1.15%	2.84%	-8.26%	-19.18%	-9.31%	3.07%	-35.31%
2007	1.59%	-1.33%	1.09%	2.98%	3.85%	-1.37%	-5.12%	1.70%	2.88%	2.10%	-5.43%	-0.83%	1.61%
2006	-	-	-	-	-	-	-	-	-	-	-0.28%	0.97%	0.68%

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### **Top 10 Positions and Sector Allocation** (as of February 28, 2023)



Company	Weight	Sec
MARATHON PETROLEUM CORP	1.87%	Cor
HF SINCLAIR CORP	1.51%	Cor
CROCS INC	1.37%	Cor
ASBURY AUTOMOTIVE GROUP	1.36%	Ene
GILEAD SCIENCES INC	1.31%	Fina
ARCH CAPITAL GROUP LTD	1.26%	Hea
TEMPUR SEALY INTERNATIONAL I	1.25%	Indu
TECK RESOURCES LTD-CLS B	1.18%	Info
ERO COPPER CORP	1.18%	Mat
PROMETHEUS BIOSCIENCES INC	1.17%	Rea

Sector	Weight
Communication Services	2.45%
Consumer Discretionary	22.07%
Consumer Staples	2.75%
Energy	8.26%
Financials	7.17%
Health Care	20.52%
Industrials	10.06%
Information Technology	10.31%
Materials	7.25%
Real Estate	1.03%
Not Classified	6.35%

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### Active Returns (10 years to April, 2023)



	Total Return	Total Contribution	Active Return attributed to sector bet	Active Return attributed to security selection
Communication Services	271.81%	56.65%	8.29%	12.53%
Consumer Discretionary	289.16%	62.48%	6.37%	19.06%
Consumer Staples	71.07%	7.09%	6.73%	-0.16%
Energy	202.66%	1.34%	17.49%	-0.99%
Financials	267.81%	33.80%	3.23%	7.77%
Health Care	457.92%	77.96%	0.63%	40.88%
Industrials	322.58%	31.65%	1.29%	17.91%
Information Technology	526.40%	76.05%	1.77%	-3.14%
Materials	186.46%	7.18%	0.68%	-0.42%
Real Estate	154.42%	3.67%	3.53%	1.30%
Utilities	-1.12%	-1.14%	2.63%	-3.80%
Not Classified	238.07%	1.18%	-0.49%	0.10%

Daily data is utilised for this analysis. The performance information is gross of fees basedon the NOT AUDITED track record of the investment managed by the principals of NAVA Capital for a Swiss single family office

but does not necessarily reflect the deduction of all expenses.

\*The Benchmark is 50% S&P500 Tr and 50% Russell 2000 Tr

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