

## A Quant's View

WORLD OF LIQUID

**ALTERNATIVE INVESTMENTS** 



HELIOS IS AN END-TO-END SERVICE, NOT JUST A MODEL PROVIDER

Create practice growth, scale, and consistency

Enhance your ability to demonstrate deeper client value and set expectations

Reduce business risk and employee turnover



HELIOS IS AN END-TO-END SERVICE, NOT JUST A MODEL PROVIDER

Create practice growth, scale, and consistency

Analyze and select ETFs, mutual funds, and stocks Enhance your ability to demonstrate deeper client value and set expectations

Reduce business risk and employee turnover



HELIOS IS AN END-TO-END SERVICE, NOT JUST A MODEL PROVIDER

Create practice growth, scale, and consistency

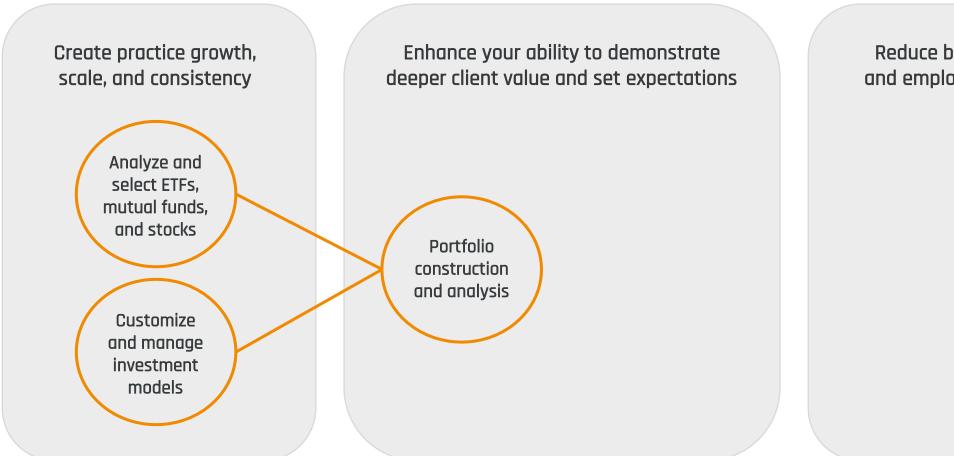
Analyze and select ETFs, mutual funds, and stocks

Customize and manage investment models Enhance your ability to demonstrate deeper client value and set expectations

Reduce business risk and employee turnover



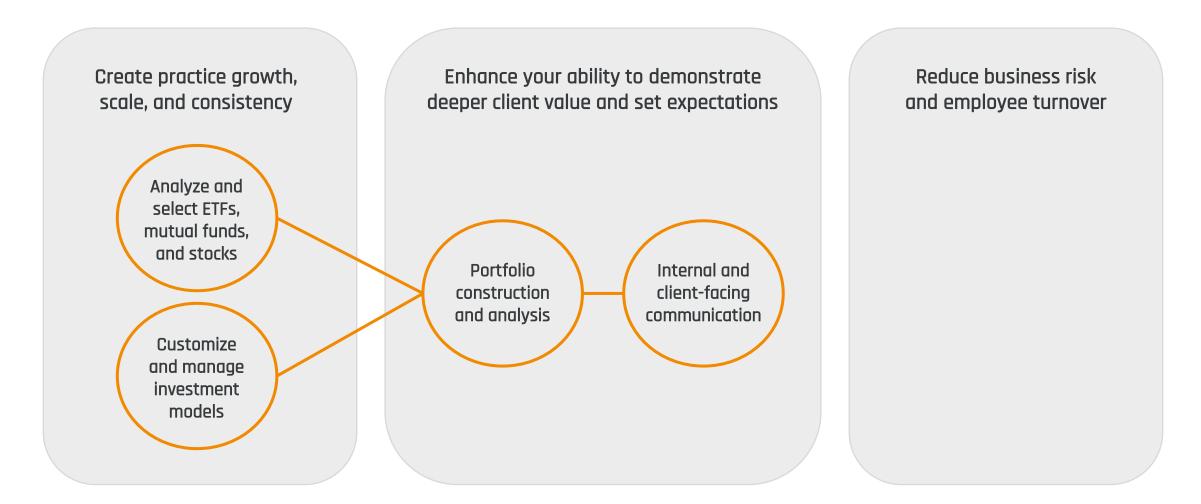
HELIOS IS AN END-TO-END SERVICE, NOT JUST A MODEL PROVIDER



Reduce business risk and employee turnover

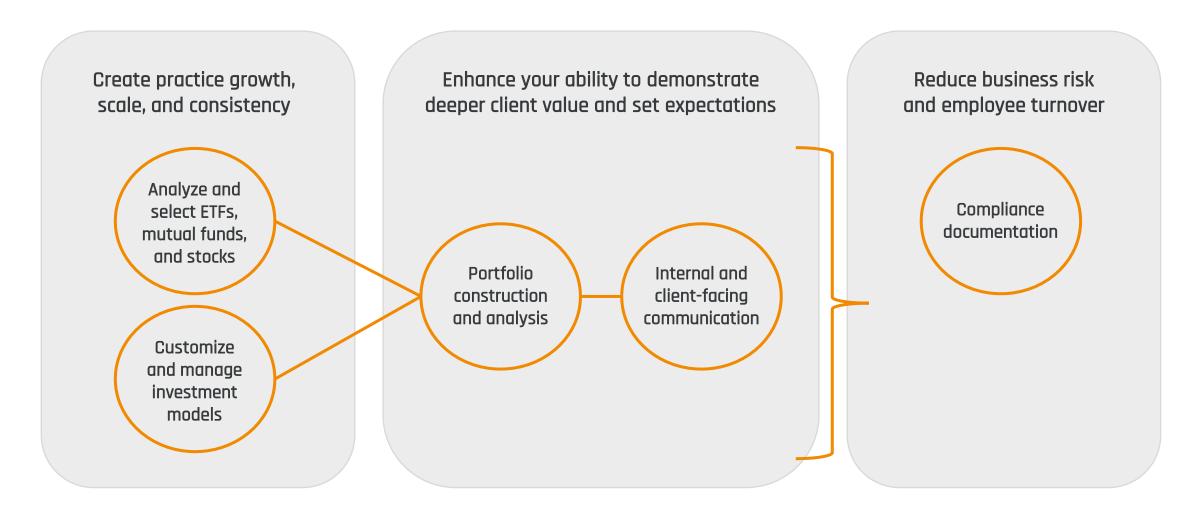


HELIOS IS AN END-TO-END SERVICE, NOT JUST A MODEL PROVIDER



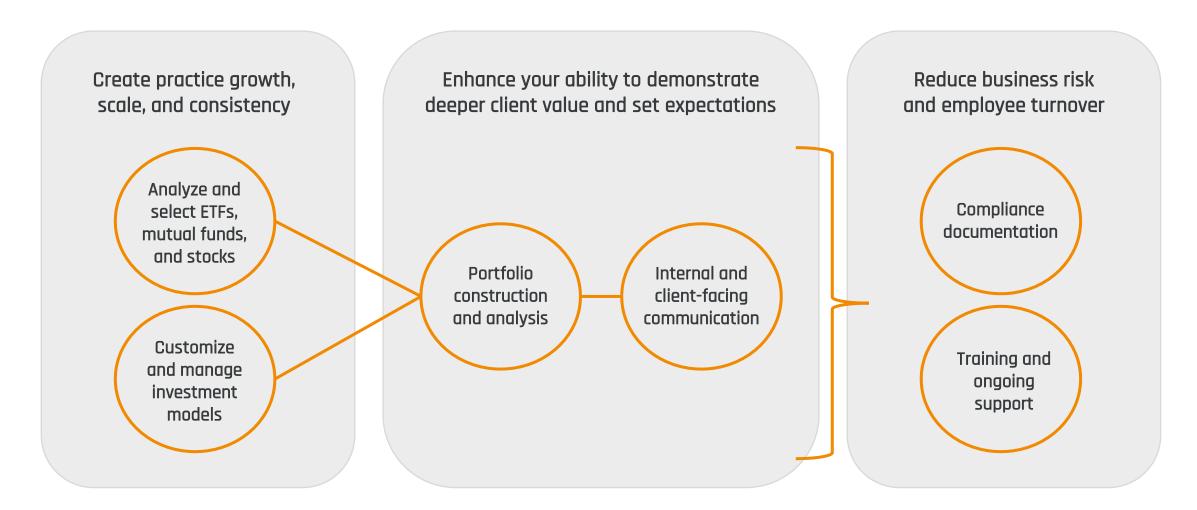


HELIOS IS AN END-TO-END SERVICE, NOT JUST A MODEL PROVIDER





HELIOS IS AN END-TO-END SERVICE, NOT JUST A MODEL PROVIDER





TAMP Models

**Model Marketplace** 

Low/No Control

Not Branded

Low/No Differentiation

Very Expensive

Low Effort/Outsourced

Reduced Compliance Risk

Powerful Strategies/Optics

Tech Focused

Helios is the clear choice for insourcing asset management

In-house Models

"Free" Research

High Control

Practice Branded

Differentiated Story

Cost Effective

High Effort

Helios Quantitative Research LLC ("Helios") is associated with, and under the supervision of, Clear Creek Financial Management, LLC ("Clear Creek"), a Registered Investment Adviser. Advisory services are only offered to clients or prospective clients where Clear Creek, and its representatives are properly licensed or exempt from licensure. This document is solely for informational purposes. Past performance is no guarantee of future returns. Investing involves risk and possible loss of principal capital. No advice may be rendered by Clear Creek or its representatives unless a client service agreement is in place.

High Compliance Risk

**Basic Strategies** 

Low/Not Tech Focused

#### Helios is a world-class team



#### HELIOS IS LIKE HAVING AN ENTIRE INVESTMENT DEPARTMENT AT YOUR FINGERTIPS

























#### Helios is a world-class team



#### HELIOS IS LIKE HAVING AN ENTIRE INVESTMENT DEPARTMENT AT YOUR FINGERTIPS



Chris Shuba Founder/CEO



Joe Mallen
Chief Investment Officer



What are liquid alternatives?

How do I add them to my portfolio?

How do I select the funds to use?

## Types of Alternative Solutions



STRUCTURE MATTERS

1 Traditional hedge funds, private equity funds, and venture funds

Typical structure: Limited Partnership

2 Private real estate, credit, and other specialty vehicles

Typical structure: Nontraded REIT, interval fund

3 Liquid alternatives

Typical structure: Mutual fund, ETF

LIQUID ALT CATEGORIES				
Multistrategy	Long-Short Equity			
Commodities Broad Basket	Equity Market Neutral			
Commodities Focused	Event Driven			
Equity Precious Metals	Preferred Stock			
Energy Limited Partnership	Macro Trading			
Global Real Estate	Systematic Trend			
Derivative Income	Single Currency			
Options Trading	Digital Assets			
Relative Value Arbitrage				

Source: Helios Quantitative Research

### **How do Liquid Alternatives Differ?**



**KEY DIFFERENCES** 

- Liquidity
- <sup>2</sup> Fees
- 3 Availability
- 4 Transparency
- 5 Flexibility

Traditional alternative vehicles typically only offer monthly or quarterly liquidity, often with significant notice and lock-up periods compared to daily and intra-day liquidity for mutual funds and ETFs.<sup>1</sup>

Hedge funds and other alternative managers typically charge performance fees ranging from 10% to over 20% of gains

Once minimum investments are met, liquid alternatives are broadly open to most investors while private alternatives are limited to Qualified Purchasers and occasionally Accredited Investors.

Mutual funds and ETFs have monthly reporting requirements that generally give investors greater transparency into how the fund is positioned. Private alternatives may only disclose holdings on a quarterly basis.

Mutual funds and ETFs have regulatory diversification requirements (i.e., position limits, amount of leverage) that can provide investors protections, but also limited the strategies the manager can deploy compared to hedge and private equity funds.

Important to note that mutual funds can limit withdrawals under certain circumstances.
 Source: Helios Quantitative Research

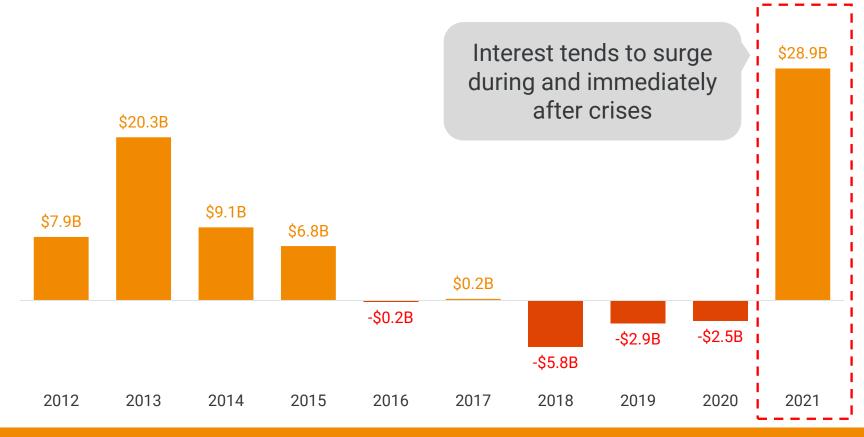


# Liquid alts were born from the Great Financial Crisis with a renewed interest since the pandemic

### **Growth in Liquid Alternatives Over Time**



NET FLOWS TO US LIQUID ALTERNATIVES



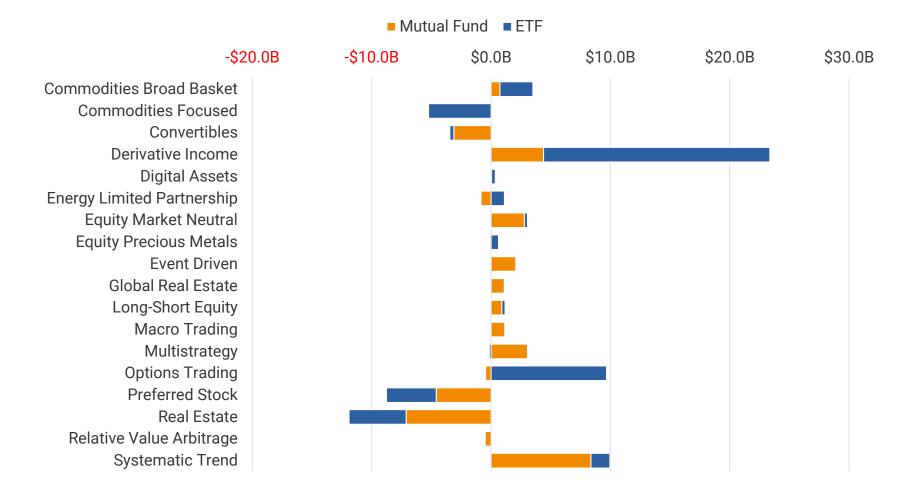
In 2021, the top 10 strategies accounted for 90% of alternative mutual fund flows

Source: Helios Quantitative Research, Morningstar

## Year-to-Date Flows in Liquid Alternatives



YTD CATEGORY NET FLOWS TO US LIQUID ALTERNATIVES



 $Source: Helios\ Quantitative\ Research, Morningstar,\ Y charts,\ through\ October\ 2022$ 

## Performance Chasing is Ripe in Alts



HISTORY REALLY ISN'T A GUIDE FOR FUTURE PERFORMANCE

Morningstar estimates performance chasing causes the investor gap to be 1.00% annualized across nearly 800 US and European liquid alt funds

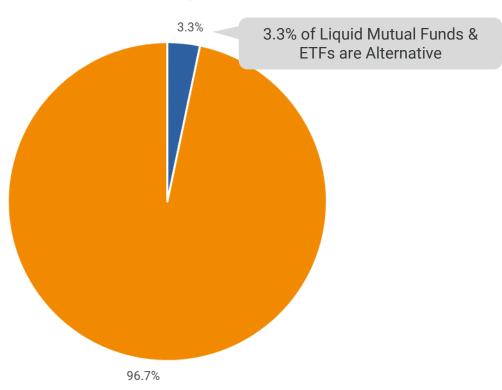
Source: Helios Quantitative Research

#### **Market Penetration**



#### US LISTED MUTUAL FUNDS & EXCHANGE-TRADED FUNDS

#### **Total Market Capitalization**



Morningstar Category	% of Total
Real Estate	20.7%
Commodities Focused	13.3%
Options Trading	7.0%
Commodities Broad Basket	6.8%
Tactical Allocation	6.7%
Global Real Estate	5.3%
TradingLeveraged Equity	5.1%
Derivative Income	5.1%
Multistrategy	4.6%
Equity Precious Metals	3.7%
Energy Limited Partnership	3.4%
Systematic Trend	2.9%
Long-Short Equity	2.9%
TradingInverse Equity	2.5%
Event Driven	2.5%
Relative Value Arbitrage	2.3%
Digital Assets	2.0%
Equity Market Neutral	0.8%
Macro Trading	0.8%
TradingMiscellaneous	0.5%
TradingInverse Debt	0.3%
TradingLeveraged Commodities	0.2%
Single Currency	0.1%
TradingLeveraged Debt	0.1%
TradingInverse Commodities	0.1%

Of those, a third are in Real Estate and Commodities

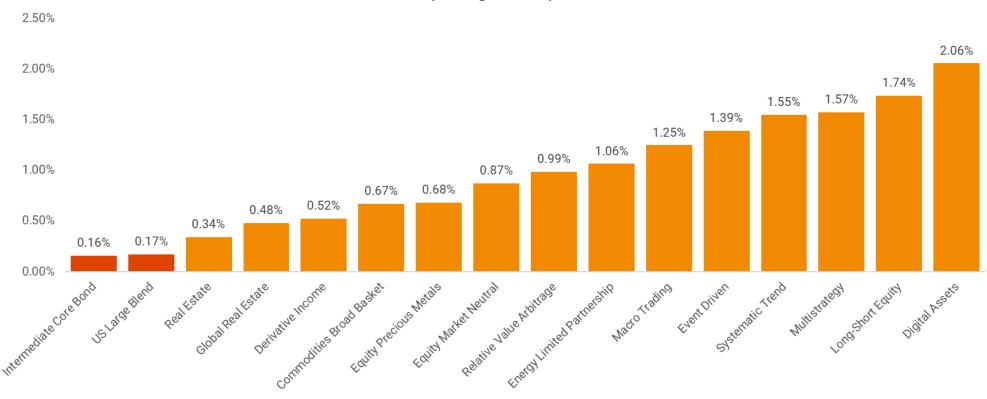
Source: Helios Quantitative Research, Morningstar, Ycharts, as of November 30, 2022

### Alternatives can be Expensive



EXPENSE RATIOS OF ASSET CLASSES





Source: Helios Quantitative Research, Bloomberg



## How do I add them to my portfolio?

## **Analysis Universe**





#### Included

Morningstar Category	# of Funds	Total AUM
Commodities Broad Basket	35	55,585,603,305
Derivative Income	18	40,890,118,765
Digital Assets	6	15,875,074,456
Energy Limited Partnership	27	28,060,223,200
Equity Market Neutral	9	6,658,078,043
Equity Precious Metals	22	30,293,882,293
Event Driven	12	19,981,646,700
Global Real Estate	40	42,685,678,756
Long-Short Equity	37	21,768,585,872
Macro Trading	14	5,998,256,607
Multistrategy	38	36,855,245,912
Real Estate	65	168,666,578,224
Relative Value Arbitrage	5	18,631,924,906
Systematic Trend	21	24,009,426,451

#### **Excluded**

Morningstar Category	# of Funds	Total AUM
Commodities Focused	27	108,352,816,467
Options Trading	93	54,008,904,579
Single Currency	5	975,295,082
Tactical Allocation	48	53,098,406,338
TradingInverse Commodities	2	459,729,028
TradingInverse Debt	6	2,417,741,902
TradingInverse Equity	29	18,995,996,041
TradingLeveraged Commodities	4	1,816,294,109
TradingLeveraged Debt	1	826,411,888
TradingLeveraged Equity	42	40,316,264,567
TradingMiscellaneous	6	4,091,983,003

We look at Funds with over a \$100 million in Assets and belong to Asset Classes with a comparable Index

Source: Helios Quantitative Research, Bloomberg, Ycharts, as of November 30, 2022.

## **Total Return Analysis**



TOTAL RETURNS OF MAJOR ASSET CLASSES

Trad	itional Markets		Start	1 Year	3 Year	5 Year	10 Year	20 Year
	Equity	MSCI ACWI	12/31/98	-11.62%	6.63%	6.41%	8.66%	7.99% I
	Fixed Income	Bloomberg US Aggregate Bond	01/30/76	-12.84%	-2.59%	0.21%	1.09%	3.23%
Alter	native Markets		Start	ı 1 Year	3 Year	5 Year	10 Year	I 20 Year
	Commodities Broad Basket	Bloomberg Commodity	01/04/60	21.14%	14.60%	6.25%	-2.05%	0.49%
	Derivative Income	CBOE S&P 500 BuyWrite Monthly	06/30/86	-6.82%	2.01%	3.13%	5.86%	5.73%
	Digital Assets	Bloomberg Galaxy Crypto	08/02/17	I -74.50% Ⅰ	39.70%	11.14%	N/A	N/A
	Energy Limited Partnership	Alerian MLP	12/29/95	41.84%	13.94%	5.91%	2.08%	9.56%
	<b>Equity Market Neutral</b>	HFRX EH Equity Market Neutral	12/31/97	0.08%	-1.64%	-1.97%	-0.20%	-0.38%
	Equity Precious Metals	S&P GSCI Precious Metals Total Return	01/05/73	-2.22%	4.76%	5.27%	-1.21%	7.86%
	Event Driven	HFRX Event Driven	01/30/98	-8.15% I	1.23%	-0.17%	1.86%	2.61%
	Global Real Estate	MSCI World Real Estate	12/30/94	-15.86%	-0.70%	2.68%	5.42%	8.19%
	Long-Short Equity	HFRX Equity Hedge	12/31/97	-1.46%	4.78%	2.86%	3.33%	1.98%
	Macro Trading	HFRX Macro/CTA	01/30/98	4.57%	2.47%	1.87%	0.99%	1.43%
	Multistrategy	HFRX Global Hedge Fund	12/31/97	-3.89% I	2.34%	1.57%	1.86%	1.74%
	Real Estate	Dow Jones US Real Estate	12/31/91	I -14.10% !	1.40%	5.00%	7.48%	6.91%
	Relative Value Arbitrage	HFRX Relative Value Arbitrage	01/30/98	-7.27%	0.40%	1.21%	0.80%	1.28%
	Systematic Trend	HFRX Macro Systematic Diversified CTA	12/31/04	17.72%	5.57%	3.98%	2.30%	N/A

As of November 30, 2022.

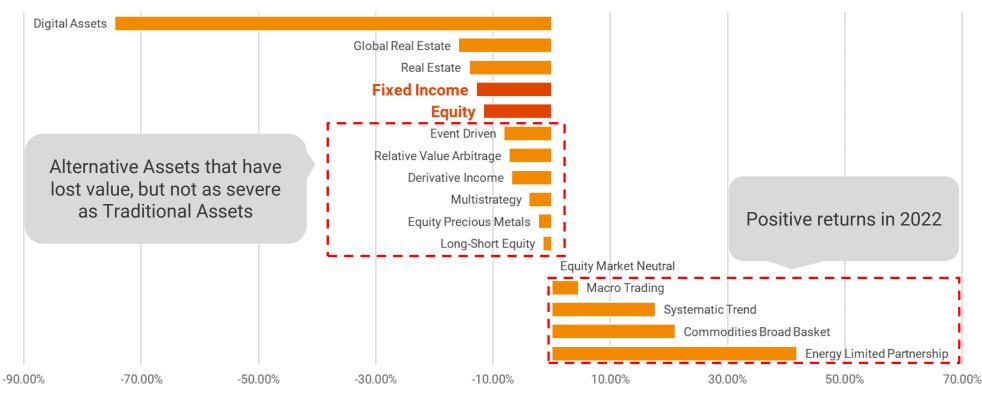
Returns over 1 year are annualized. Source: Helios Quantitative Research, Bloomberg

## **Total Return Analysis**



TOTAL RETURNS OF MAJOR ASSET CLASSES

#### One-Year Total Returns



As of November 30, 2022.

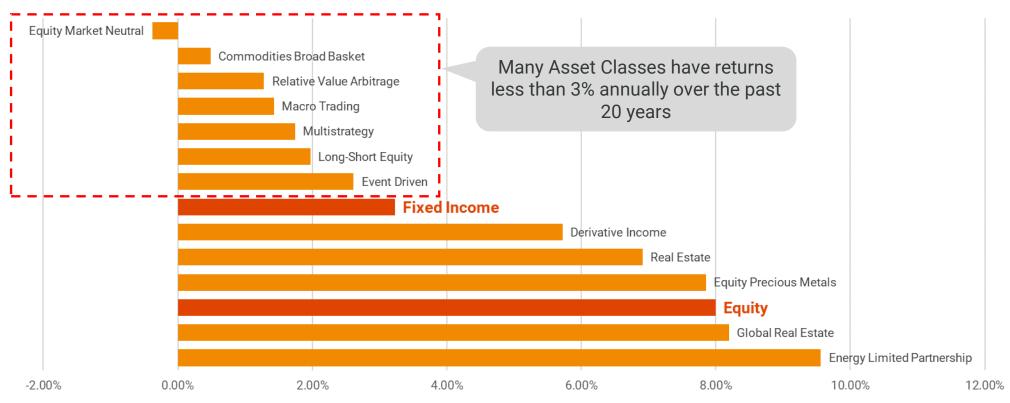
Source: Helios Quantitative Research, Bloomberg

## **Total Return Analysis**



TOTAL RETURNS OF MAJOR ASSET CLASSES

#### 20-Year Total Returns

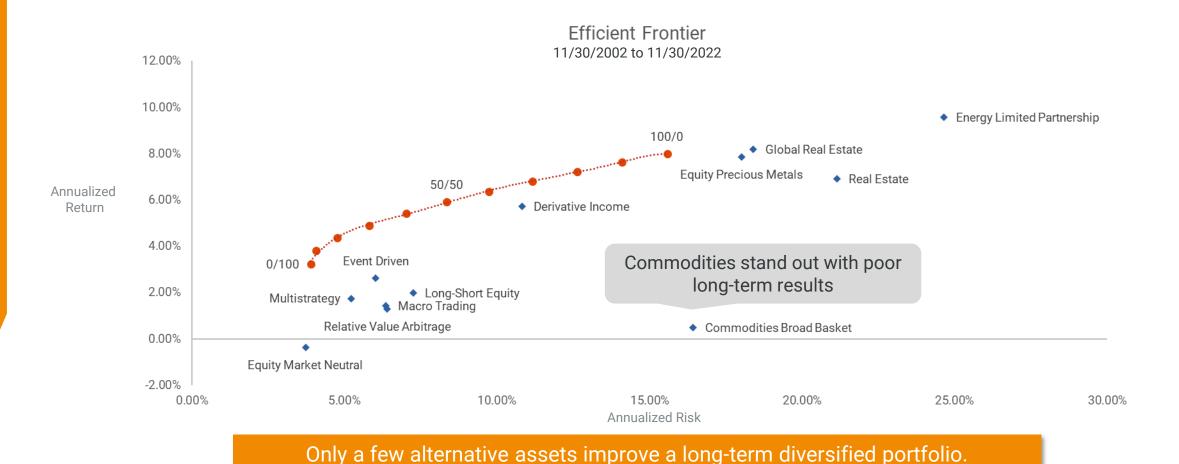


As of November 30, 2022.

Source: Helios Quantitative Research, Bloomberg

## Risk & Return Analysis HOW DO THESE ASSETS FIT IN A DIVERSIFIED PORTFOLIO





Source: Helios Quantitative Research, Bloomberg

## Correlation Analysis CORRELATION OF ALTERNATIVE ASSET CLASSES



Fixed Income (Bloomhera IIS Aggregate)

Equity (MISCI ACWI)				Fixed income (bloomberg 05 Aggregate)								
Corr	elation to Tradition	al Assets	1 Year	3 Year	5 Year	10 Year	20 Year	1 Year	3 Year	5 Year	10 Year	20 Year
	Commodities Broad Basket	Bloomberg Commodity	0.46	0.54	0.57	0.48	0.54	0.18	0.00	-0.07	-0.07	0.01
	Derivative Income	CBOE S&P 500 BuyWrite Monthly	0.86	0.90	0.90	0.87	0.86	0.51	0.30	0.23	0.18	0.10
	Digital Assets	Bloomberg Galaxy Crypto	0.50	0.59	0.32	N/A	N/A	0.19	0.31	0.17	N/A	N/A
	Energy Limited Partnership	Alerian MLP	0.62	0.70	0.69	0.67	0.57	0.34	0.14	0.09	0.07	0.04
	<b>Equity Market Neutral</b>	HFRX EH Equity Market Neutral	0.25	0.45	0.42	0.31	0.18	-0.04	-0.08	-0.09	-0.05	-0.09
	Equity Precious Metals	S&P GSCI Precious Metals Total Return	0.45	0.34	0.26	0.15	0.21	0.42	0.36	0.39	0.39	0.34
	Event Driven	HFRX Event Driven	-0.07	0.60	0.63	0.64	0.73	-0.11	0.18	0.14	0.06	0.03
	Global Real Estate	MSCI World Real Estate	0.90	0.92	0.86	0.80	0.86	0.70	0.51	0.48	0.51	0.33
	Long-Short Equity	HFRX Equity Hedge	0.83	0.86	0.87	0.86	0.84	0.45	0.23	0.14	0.07	0.03
	Macro Trading	HFRX Macro/CTA	-0.52	0.10	0.19	0.14	0.17	-0.80	-0.45	-0.21	-0.04	0.04
	Multistrategy	HFRX Global Hedge Fund	0.67	0.82	0.83	0.84	0.80	0.27	0.26	0.19	0.13	0.08
	Real Estate	Dow Jones US Real Estate	0.89	0.90	0.81	0.73	0.73	0.62	0.47	0.45	0.49	0.30
	Relative Value Arbitrage	HFRX Relative Value Arbitrage	0.91	0.84	0.82	0.79	0.69	0.72	0.57	0.46	0.32	0.15
	Systematic Trend	HFRX Macro Systematic Diversified CTA	-0.70	-0.26	-0.09	-0.09	N/A	-0.91	-0.70	-0.41	-0.16	N/A

Fauity (MSCLACWI)

Long-term returns of most asset classes are correlated to equities.

As of November 30, 2022.

Returns over 1 year are annualized.

Source: Helios Quantitative Research, Bloomberg



## Given their volatile nature and risk of low returns, using Tracking Error is an ideal way to size Alternatives.

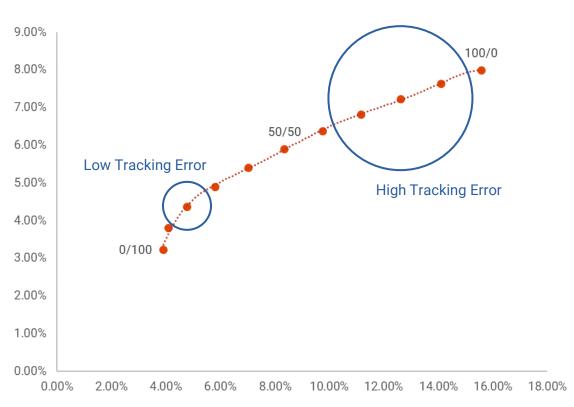
## **Tracking Error Defined**

#### helios

#### TRACKING ERROR AS A MEASURE OF VARIANCE

#### 20 YEAR FEFICIENT FRONTIER

Various Risk Level Risk & Return Data (11/30/2002 to 11/30/2022)



Tracking Error is a way of measuring how much a portfolio return varies from the returns of its benchmark. Low tracking error means a portfolio has moved mostly inline with the benchmark. High tracking error means very high variance.

Source: Helios Quantitative Research, Bloomberg

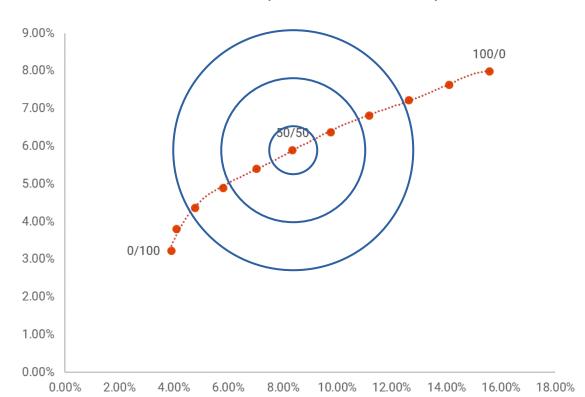
## Tracking Error Example



#### USING TRACKING ERROR TO MAKE A COMMODITIES ALLOCATION

#### 20 YEAR EFFICIENT FRONTIER

Various Risk Level Risk & Return Data (11/30/2002 to 11/30/2022)



	<u> </u>	
1.00%	2.00%	3.00%

#### **Weight to Commodities**

<b>g</b>						
7.00%	14.00%	21.00%				

Year	Return Difference when Adding Commodities to a 50/50 Portfolio						
2003	0.38%	0.74%	1.10%				
2004	-0.08%	-0.18%	-0.28%				
2005	0.79%	1.57%	2.36%				
2006	-1.05%	-2.11%	-3.16%				
2007	0.14%	0.28%	0.42%				
2008	-0.98%	-1.99%	-3.01%				
2009	-0.06%	-0.12%	-0.19%				
2010	0.50%	0.99%	1.47%				
2011	-0.96%	-1.92%	-2.88%				
2012	-0.80%	-1.61%	-2.41%				
2013	-1.44%	-2.87%	-4.29%				
2014	-1.68%	-3.33%	-4.97%				
2015	-1.81%	-3.61%	-5.38%				
2016	0.46%	0.91%	1.36%				
2017	-0.92%	-1.83%	-2.74%				
2018	-0.59%	-1.19%	-1.78%				
2019	-0.88%	-1.75%	-2.62%				
2020	-1.13%	-2.27%	-3.40%				
2021	1.29%	2.59%	3.89%				
YTD	2.12%	4.28%	6.46%				

Source: Helios Quantitative Research, Bloomberg

Helios Quantitative Research LLC ("Helios") is associated with, and under the supervision of, Clear Creek Financial Management, LLC ("Clear Creek"), a Registered Investment Advisor, Services are only offered to clients or prospective clients where Clear Creek, and its representatives are properly licensed or exempt from licensure. This document is solely for informational purposes. Past performance is no quarantee of future returns. Investing involves risk and possible loss of principal capital. No advice may be rendered by Clear Creek or its representatives unless a client service agreement is in place.

### **Asset Class Tracking Error**



TARGET WEIGHTS FOR DESIRED TRACKING ERROR

	j Error	

	1.00%	2.00%	3.00%	1.00%	2.00%	3.00%	
Asset Class	Allocation Weight			Annual Excess Return			
Global Real Estate	8.5%	17.0%	25.4%	0.4%	0.7%	1.1%	
Energy Limited Partnership	4.7%	9.4%	14.1%	0.3%	0.6%	0.9%	
Real Estate	6.3%	12.6%	18.9%	0.2%	0.4%	0.6%	
<b>Equity Precious Metals</b>	5.7%	11.3%	17.0%	0.1%	0.3%	0.4%	
Derivative Income	16.4%	32.8%	49.1%	0.0%	0.0%	0.0%	
Commodities Broad Basket	7.1%	14.1%	21.2%	-0.3%	-0.7%	-1.0%	
Macro Trading	10.4%	20.8%	31.2%	-0.6%	-1.1%	-1.7%	
Event Driven	16.5%	32.9%	49.4%	-0.6%	-1.1%	-1.7%	
Relative Value Arbitrage	16.2%	32.3%	48.5%	-0.7%	-1.5%	-2.2%	
Long-Short Equity	19.4%	38.7%	58.1%	-0.8%	-1.6%	-2.3%	
Multistrategy	18.3%	36.6%	54.9%	-0.8%	-1.6%	-2.5%	
<b>Equity Market Neutral</b>	11.6%	23.2%	34.8%	-0.8%	-1.7%	-2.5%	
Digital Assets	N/A	N/A	N/A	N/A	N/A	N/A	
Systematic Trend	N/A	N/A	N/A	N/A	N/A	N/A	

Only five asset classes improve returns when added to a 50/50 portfolio. Each requires a sizable allocation.

As of November 30, 2022.

Source: Helios Quantitative Research, Bloomberg

### **Asset Class Tracking Error**



ONE-YEAR EXCESS RISK & SHARPE RATIO

I KOO	ZIDA	LKKOK	IAKAAT
1140	K		Γarget

	1.00%	2.00%	3.00%	1	1.00%	2.00%	3.00%
Asset Class	Annual Excess Risk				Annual Excess Sharpe Ratio		
Global Real Estate	0.7%	1.4%	2.1%	(	(0.03)	(0.05)	(0.08)
Energy Limited Partnership	0.3%	0.6%	0.9%		0.01	0.02	0.03
Real Estate	0.5%	1.0%	1.5%	(	(0.02)	(0.05)	(0.07)
<b>Equity Precious Metals</b>	-0.1%	-0.3%	-0.4%		0.04	0.07	0.11
Derivative Income	0.2%	0.3%	0.5%	(	(0.01)	(0.03)	(0.04)
Commodities Broad Basket	0.1%	0.1%	0.2%	(	(0.04)	(0.09)	(0.13)
Macro Trading	-0.7%	-1.5%	-2.2%		0.01	0.02	0.03
Event Driven	-0.7%	-1.3%	-2.0%	(	(0.01)	(0.01)	(0.02)
Relative Value Arbitrage	-0.6%	-1.2%	-1.8%	(	(0.04)	(80.0)	(0.12)
Long-Short Equity	-0.5%	-0.9%	-1.4%	(	(0.05)	(0.11)	(0.16)
Multistrategy	-0.8%	-1.5%	-2.3%	(	(0.03)	(0.05)	(80.0)
<b>Equity Market Neutral</b>	-0.9%	-1.8%	-2.7%	(	(0.01)	(0.02)	(0.03)
Digital Assets	N/A	N/A	N/A		N/A	N/A	N/A
Systematic Trend	N/A	N/A	N/A		N/A	N/A	N/A

Only three asset classes improve Sharpe Ratio when added to a 50/50 portfolio.

As of November 30, 2022.

Source: Helios Quantitative Research, Bloomberg



## How do I select the funds to use?



## Fund Dispersion Creates Additional Risks\* For Tracking Error

\* And Opportunities

### **Total Return Scatterplot**



#### ONE-YEAR RISK & RETURN



As of November 30, 2022.

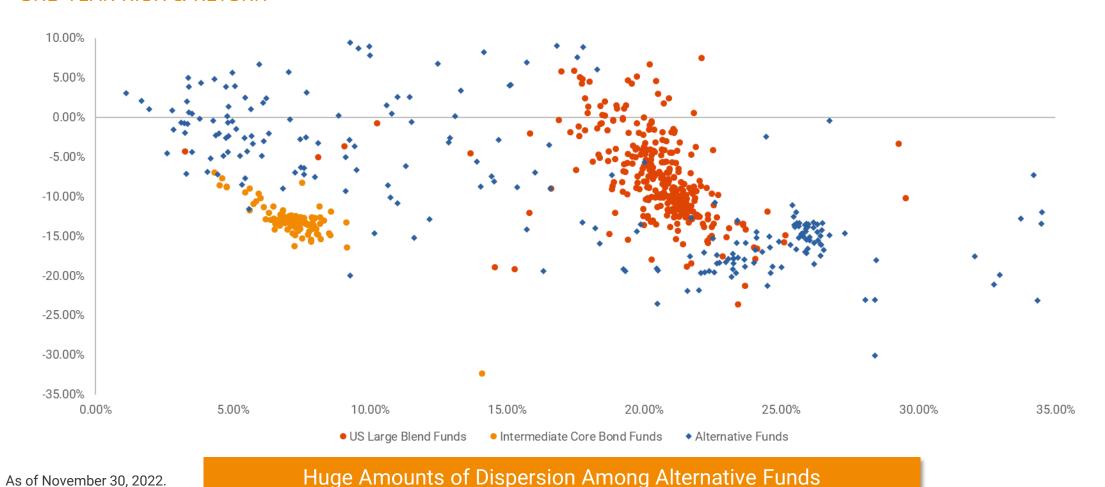
Major Asset Classes Tend to See Fairly Tight Groupings

Source: Helios Quantitative Research, Bloomberg

## **Total Return Scatterplot**



#### ONE-YEAR RISK & RETURN

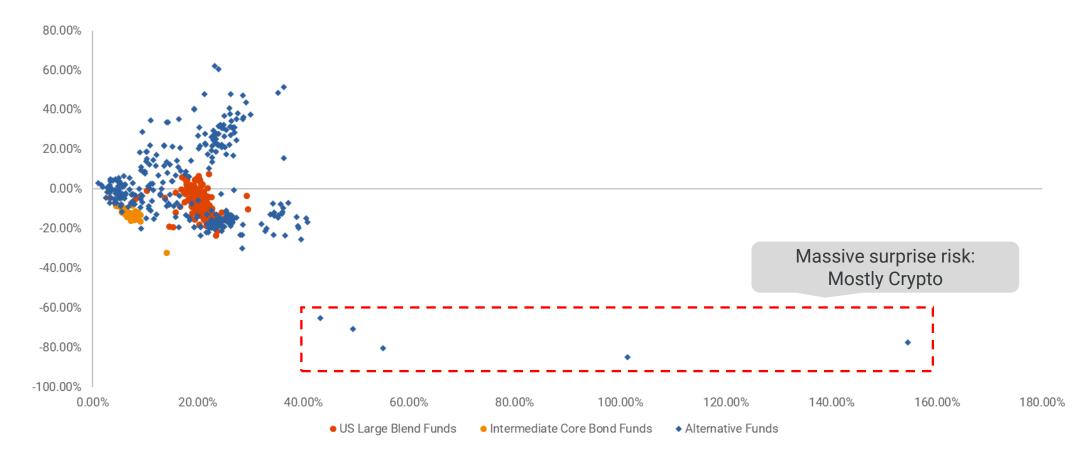


Source: Helios Quantitative Research, Bloomberg

### **Total Return Scatterplot**



#### ONE-YEAR RISK & RETURN



As of November 30, 2022.

Source: Helios Quantitative Research, Bloomberg

# Range of Fund Data THE RANGE OF RETURN RESULTS BY ASSET CLASS



	Benchmark Return	Mean Fund Return	Median Fund Return	Standard Deviation of Returns
US Large Blend	-11.62%	-8.08%	-9.25%	4.90%
Intermediate Core Bond	-12.84%	-13.01%	-12.99%	2.38%
Digital Assets	-74.50%	-65.20%	-74.13%	26.67%
Systematic Trend	17.72%	21.43%	20.17%	18.09%
Long-Short Equity	-1.46%	0.15%	-3.10%	15.24%
Equity Market Neutral	0.08%	7.65%	0.52%	13.18%
Macro Trading	4.57%	5.92%	3.52%	13.16%
Multistrategy	-3.89%	1.09%	-1.05%	11.76%
<b>Equity Precious Metals</b>	-2.22%	-12.68%	-13.29%	8.64%
Energy Limited Partnership	41.84%	33.32%	31.52%	8.15%
<b>Derivative Income</b>	-6.82%	-1.75%	-3.16%	7.58%
<b>Commodities Broad Basket</b>	21.14%	22.68%	22.40%	6.56%
Real Estate	-14.10%	-15.11%	-14.69%	3.56%
Event Driven	-8.15%	-0.54%	-0.11%	2.56%
Global Real Estate	-15.86%	-18.19%	-18.35%	2.01%
Relative Value Arbitrage	-7.27%	-3.00%	-3.29%	1.87%

As of November 30, 2022.

Source: Helios Quantitative Research, Bloomberg



# All Liquid Alts Are Not Created Equal



#### COMMODITIES BROAD BASKET

Bloomberg Commodity Index

**Return & Risk** 

0.5%

16.4%

Annualized Return Annualize

Annualized Standard Deviation

From 11/30/2002 to 11/30/2022

Correlation

0.54

To Equities

0.01

To Fixed Income

Allocation To Hit Tracking Error Targets<sup>1</sup>

7%

14%

21%

1%

Tracking Error

2%

Tracking Error

3%

**Tracking Error** 



#### **Key Benefits**

- Fairly uncorrelated to traditional assets
- Can provide inflation protection

#### **Key Risks**

- Can dramatically underperform
- Periods of poor returns can last several years

#### Expectations

- Portfolio diversifier
- Not expected to outperform consistently

Source: Helios Quantitative Research, Bloomberg

<sup>1.</sup> When added to a diversified portfolio



#### **DERIVATIVE INCOME**

CBOE S&P 500 BuyWrite Monthly

**Return & Risk** 

5.7%

10.8%

Annualized Return

Annualized Standard Deviation

From 11/30/2002 to 11/30/2022

Correlation

0.86

To Equities

Allocation To Hit Tracking Error Targets<sup>1</sup>

16%

33%

**Tracking Error** 

49%

1%

Tracking Error

2%

Tracking Error



#### **Key Benefits**

- Equity beta exposure with added income
- Excess income in volatile markets.

#### **Key Risks**

To Fixed Income

- Upside is capped in strong equity markets
- All of the downside equity risks

#### Expectations

- Equity + a yield in sideways and down markets
- Risk like equities
- No downside protection

Source: Helios Quantitative Research, Bloomberg

<sup>1.</sup> When added to a diversified portfolio



ENERGY LIMITED PARTNERSHIP

$\Lambda$	orion	
H	CHAIL	IVILL

**Return & Risk** 

9.6%

24.6%

Annualized Return Annualized Standard

Deviation

From 11/30/2002 to 11/30/2022

Correlation

0.57

To Equities

Allocation To Hit Tracking Error Targets<sup>1</sup>

5%

9%

14%

1%

3%

Tracking Error Tracking Error Tracking Error



#### **Key Benefits**

- Long term strong returns
- Low correlation to fixed income

#### **Key Risks**

To Fixed Income

- Highly volatile
- Linked to energy markets
- Vehicles can produce K1s

#### Expectations

- Very volatile returns
- Linked to energy (oil) prices
- Equity-like returns

<sup>1.</sup> When added to a diversified portfolio Source: Helios Quantitative Research, Bloomberg



#### **EQUITY MARKET NEUTRAL**

HFRX EH Equity Market Neutral

**Return & Risk** 

-0.4%

3.7%

**Annualized Return** 

Annualized Standard

Deviation

From 11/30/2002 to 11/30/2022

Correlation

0.18

To Equities

-0.09

To Fixed Income

Allocation To Hit Tracking Error Targets<sup>1</sup>

12%

23%

35%

3%

1%

Tracking Error

2%

Tracking Error

Tracking Error



#### **Key Benefits**

- Among the lowest correlated assets
- Can be stable in volatile markets.
- Yield with low market yields

#### **Key Risks**

- Low returns and net negative after fees
- Linked to interest rates

#### Expectations

- A cash like return plus a small alpha premium
- Low volatility

Source: Helios Quantitative Research, Bloomberg

<sup>1.</sup> When added to a diversified portfolio



#### **EQUITY PRECIOUS METALS**

S&P GSCI Precious Metals Total Return

**Return & Risk** 

7.9%

18.0%

Annualized Return

Annualized Standard Deviation

From 11/30/2002 to 11/30/2022

Correlation

0.21

To Equities

0.34

To Fixed Income

Allocation To Hit Tracking Error Targets<sup>1</sup>

6%

**Tracking Error** 

11%

17%

1%

29

3%

Tracking Error Tra

**Tracking Error** 



#### **Key Benefits**

- The "original" alternative currency
- Can perform well with inflation
- Positive long-term returns

#### **Key Risks**

- Many passionate about the asset either pro or con
- Hasn't held up with inflation recently

#### Expectations

- Low correlation
- Equity-like returns over long term

Source: Helios Quantitative Research, Bloomberg

<sup>1.</sup> When added to a diversified portfolio



#### **EVENT DRIVEN**

HFRX Event Driven

**Return & Risk** 

2.6%

6.0%

Annualized Return

**Annualized Standard** 

Deviation

From 11/30/2002 to 11/30/2022

**Correlation** 

0.73

To Equities

0.03

To Fixed Income

Allocation To Hit Tracking Error Targets<sup>1</sup>

16%

33%

49%

1%

Tracking Error

2%

Tracking Error

3%

**Tracking Error** 



#### **Key Benefits**

- Great narrative
- Low volatility

#### Key Risks

- Opportunity set has shrunk
- Low expected return
- Insider trading risk
- Large allocation needed to make an impact

#### Expectations

- Low single-digit returns
- Low volatility
- Occasional pop in returns but mostly flat

Source: Helios Quantitative Research, Bloomberg

<sup>1.</sup> When added to a diversified portfolio



#### GLOBAL REAL ESTATE

MSCI World Real	Estate					
Return & Risk		Correlation		Allocation To I	Hit Tracking Erro	r Targets <sup>1</sup>
8.2%	18.4%	0.86	0.33	8%	17%	25%
Annualized Return	Annualized Standard Deviation	To Equities	To Fixed Income	1% Tracking Error	2% Tracking Error	3% Tracking Error
From 11/30/2002 to 11/	/30/2022					



#### **Key Benefits**

- High long-term returns
- Embedded leverage in product
- Well known by clients

#### Key Risks

- Highly volatile
- Correlated to other client assets
- Highly correlated to equities

#### **Expectations**

- A lot of market beta
- Cyclical with the economy
- Can crash significantly

<sup>1.</sup> When added to a diversified portfolio Source: Helios Quantitative Research, Bloomberg



#### MULTISTRATEGY

HFRX Global Hedge Fund

**Return & Risk** 

1.7%

5.2%

Annualized Return Annualized Standard

Deviation

From 11/30/2002 to 11/30/2022

Correlation

0.80

To Equities

0.08

To Fixed Income

Allocation To Hit Tracking Error Targets<sup>1</sup>

18%

37%

55%

1%

Tracking Error

2%

Tracking Error

3%

**Tracking Error** 



#### **Key Benefits**

- A lot of diversification among alternatives
- Expect allocators among asset classes
- Best option for one fund exposure

#### **Key Risks**

- Diversification may wash out any edge
- Low expected returns
- Layered fees

#### **Expectations**

- Low correlation and low return expectation
- Low maximum drawdowns

Source: Helios Quantitative Research, Bloomberg

<sup>1.</sup> When added to a diversified portfolio



#### DIGITAL ASSETS

Bloomberg Galaxy Crypto

**Return & Risk** 

19.4%

115.8%

Annualized Return

Annualized Standard Deviation

From 08/31/2017 to 11/30/2022

Correlation

0.32

To Equities

0.17

To Fixed Income

Allocation To Hit Tracking Error Targets<sup>1</sup>

1%

2%

3%

1%

**Tracking Error** 

2%

Tracking Error

Tracking Error

#### **Key Benefits**

- Periods of astronomical returns
- Passionate among some clients

**Key Risks** 

- Incredibly volatile
- Large drawdowns
- Legal viability and headline risk

Expectations

?????

1. When added to a diversified portfolio Source: Helios Quantitative Research, Bloomberg

### **Quantitative Selection**



#### USING CONFIDENCE RATING TO SCORE FUNDS

#### **Victory Market Neutral Income I**

#### **CBHIX**

Due Diligence Overview As of 10/02/22

	Key	Inf	orm	nati	ion
--	-----	-----	-----	------	-----

Fund Type	Open-End Fund
Asset Class	Alternative Equity Market Neutral
Inception Date	11/19/12
Total Assets <sup>2</sup>	\$4,640 Million
Expense Ratio <sup>1</sup>	0.40%
Dividend Yield <sup>2</sup>	3.78%
Distribution Frequency <sup>2</sup>	Monthly
Benchmark (BM)	

Hedge Fund Research HFRX EH Equity Market Neutral Index

#### Description

Victory Market Neutral Income Fund seeks high current income by investing by implementing a proprietary, rules-based "market neutral" investment strategy designed to seek income from its investments while maintaining a low correlation to the foreign and domestic equity and bond markets.

2. As of 09/30/22

Source: Morningstar, Bloomberg, Helios Quantitative Research

Note: Peer group includes the primary share class of funds with at least 3 years of history and over \$100M in assets.

Source: Helios Quantitative Research

Helios Confidence Rating Overall 2.2 ...... Appeal ...... ..... Alpha Excess Return ..... ..... Adjusted Capture Total Cost Experience Excess Risk ..... Tracking Error ..... Maximum Fallout .... Maximum Lag .... CBHIX Benchmark Relative to its peer group, CBHIX's Confidence Rating is greater than 99% of funds in its asset class.

<sup>1.</sup> From prospectus dated 11/01/21

### **Quantitative Selection**





#### **Victory Market Neutral Income I**

**CBHIX** 

Due Diligence Overview As of 10/02/22

Key Information		
Fund Type	Open-End Fund	
Asset Class	Alternative Equity Market Neutral	
Inception Date	11/19/12	
Total Assets <sup>2</sup>	\$4,640 Million	
Expense Ratio <sup>1</sup>	0.40%	
Dividend Yield <sup>2</sup>	3.78%	
Distribution Frequency <sup>2</sup>	Monthly	
Benchmark (BM)		

Hedge Fund Research HFRX EH Equity Market Neutral Index

#### Description

Victory Market Neutral Income Fund seeks high current income by investing by implementing a proprietary, rules-based "market neutral" investment strategy designed to seek income from its investments while maintaining a low correlation to the foreign and domestic equity and bond markets.

2. As of 09/30/22

Source: Morningstar, Bloomberg, Helios Quantitative Research

#### The Confidence Rating

- A combination of Appeal and Experience based on historical data
- Seeks to find funds that outperform or achieve the benchmark without surprises

Source: Helios Quantitative Research

Helios Quantitative Research LLC ("Helios") is associated with, and under the supervision of, Clear Creek Financial Management, LLC ("Clear Creek"), a Registered Investment Adviser. Advisory services are only offered to clients or prospective clients where Clear Creek, and its representatives are properly licensed or exempt from licensure. This document is solely for informational purposes. Past performance is no guarantee of future returns. Investing involves risk and possible loss of principal capital. No advice may be rendered by Clear Creek or its representatives unless a client service agreement is in place.

over \$100M in assets.

Helios Confidence Rating Overall 2.2 . ......... ...... Appeal ....... Alpha Excess Return ..... ..... Adjusted Capture ...... Total Cost Experience Excess Risk ...... Tracking Error Maximum Fallout ... ................ Maximum Lag ..... CBHIX
 Benchmark Relative to its peer group, CBHIX's Confidence Rating is greater than 99% of funds in its asset class. Note: Peer group includes the primary share class of funds with at least 3 years of history and

<sup>1.</sup> From prospectus dated 11/01/21

### **Key Due Diligence Considerations**



ALTERNATIVES REQUIRED HEIGHTENED DUE DILIGENCE

1	Liq	uid	ity

Alternative funds can have strategies that are less liquid by nature and significant fund outflows can cause damaging liquidity mismatches and market dislocations.

2 Complexity

By their nature alternative strategies tend to be more complex and investor and advisors need to know what the manager can do in order to set proper expectations.

3 Asset Flows

Most liquid alternative funds have low assets under management and fund closures are common throughout the industry.

4 Fees

Low-cost options are rare among liquid alternative funds, though some replication ETFs may be slowly changing this, high fee funds can eat away at investor performance.

5 Leverage

While liquid alts tend to have less leverage than traditional private funds, leveraged strategies can quickly exacerbate losses if markets turn against the manager's strategy.

Source: Helios Quantitative Research

### **Key Takeaways**



- Liquid alternatives are gaining momentum but be careful to not performance chase
- Sizing of the investments is critical to the impact on the portfolio
- A lot of due diligence is necessary to select the appropriate fund



## hello@heliosdriven.com

### **Definitions & Disclosures**

This commentary is produced by Helios Quantitative Research LLC ("Helios") and is for informational purposes only. Helios Quantitative Research LLC ("Helios") is associated with, and under the supervision of, Clear Creek Financial Management, LLC ("Clear Creek"), a Registered Investment Advisor. Helios provides research services to financial advisors who have executed a written agreement with Clear Creek or its representatives. The research, analysis, and views reflected in this commentary are subject to change at any time without notice.

Nothing in this commentary constitutes investment advice, performance data, or any recommendation of a particular security, portfolio of securities, or investment strategy as suitable for any specific person and is intended for use only by a third-party financial advisor, with other information, as an input in the development of investment advice for its own clients. Financial advisors are responsible for providing customized investment advice for each of their clients based on their unique risk tolerance and financial circumstances. Helios is not responsible for determining whether this commentary is applicable or suitable for financial advisor's clients or for providing customized recommendations for any of financial advisor's clients. Such financial advisors are responsible for making their own independent judgment as to how to use this information. Financial advisors must determine whether or not the securities are appropriate for their clients as Clear Creek and its representatives do not consider investor suitability when determining investment opinions. Only an investor and their financial advisor know enough about their circumstances to make an investment decision. Neither Clear Creek nor its representatives have investment discretion over or place trade orders for any portfolios or accounts derived from this information. Any mention of a particular security and related performance data is not a recommendation to buy or sell that security. There is no guarantee that any security illustrated will be successful or achieve any particular level of results.

Any presentation of back-tested performance are hypothetical, were compiled after the end of the period advertised, and do not represent decisions made by Helios during the period described. Advisory services are only offered to clients or prospective clients where Clear Creek and its representatives are properly licensed or exempt from licensure.

Past performance is no guarantee of future returns. Investing involves risk and possible loss of principal capital.

Helios Adaptive Index, Helios Alpha Index, Helios Equity Index, Helios Dynamic Risk 5% Index, Helios Dynamic Risk 7% Index, Helios Dynamic Risk 10% Index, Helios Dynamic Risk 13% Index, Helios Dynamic Risk 16% Index, Helios Turnkey 10 Index, Helios Turnkey 30 Index, Helios Turnkey 50 Index, Helios Turnkey 70 Index, Helios Turnkey 90 Index, Helios Fixed Income Index, and Helios Strategic Income Index (collectively the "Helios Indices") is the property of Helios Quantitative Research LLC, which has contracted with S&P Opco, LLC (a subsidiary of S&P Dow Jones Indices LLC) to calculate and maintain the Helios Indices. The Helios Indices are not sponsored by S&P Dow Jones Indices or its affiliates or its third party licensors (collectively, "S&P Down Jones Indices"). S&P Dow Jones Indices will not be liable for any errors or omissions in calculating the Helios Indices. "Calculated by S&P Down Jones Indices" and the related stylized mark(s) are service marks of S&P Dow Jones Indices and have been licensed for use by Helios Quantitative Research LLC. S&P® is a registered trademark of Standard & Poor's Financial Services LLC ("SPFS"), and Dow Jones® is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones").

© 2022 Helios Quantitative Research LLC. All rights reserved.