

**ARB**

# **ARB Asset Management**

**REPRESENTING:**

**ARB Flagship Fund  
RoboSig  
SBGM**

November 2024



# Table of Contents

Page 2	<b>Contents</b>
Page 3	<b>Overview – ARB Asset Management</b>
Page 7	<b>ARB Flagship Fund</b>
Page 14	<b>ARB Flagship Fund Terms</b>
Page 15	<b>RoboSig</b>
Page 21	<b>RoboSig Terms</b>
Page 22	<b>SBGM</b>
Page 29	<b>SBGM Terms</b>
Page 30	<b>Disclaimers</b>

# Who We Are

## ARB Trading Group

**Global Prop Trading Powerhouse:** Founded 2012 through the merger of Passaglia Trading (Chicago) & Groupe Financier ARB (Montreal), ARB TG has grown into a major player in proprietary trading across multiple asset classes.

**Expansive Global Footprint:** With 300 traders & offices in N. America, Europe, Middle East & India, plus new locations opening in Ireland, Croatia and Dubai, we access diverse markets & talent pools worldwide.

**High-Volume Execution:** Trading over 90 markets globally, ARB executes approximately 120 million round-turns annually, securing our position as a significant volume leader on 20+ exchanges.

**Talent-Centric Culture:** Our global reach & rigorous training enable us to recruit, cultivate, and retain top-tier traders and portfolio managers who drive consistent performance.

## ARB Asset Management

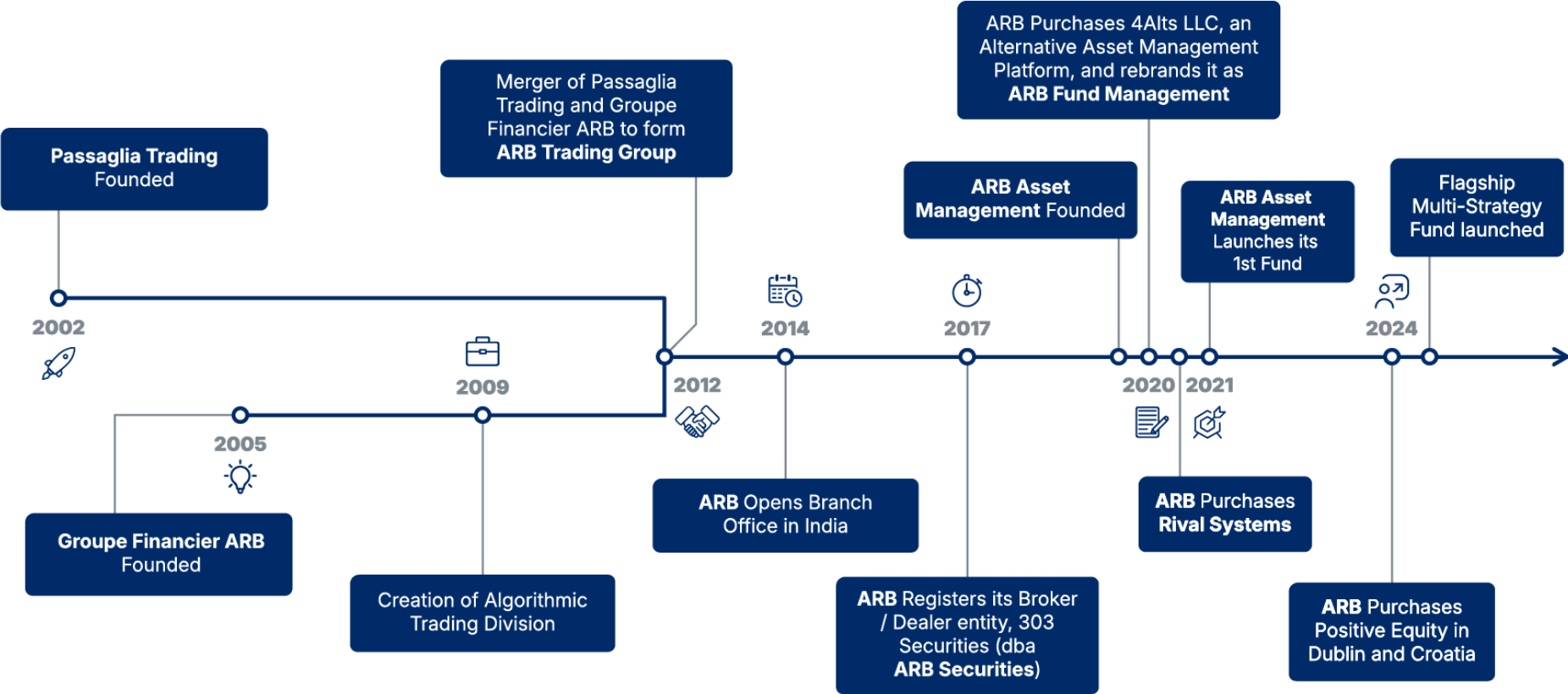
**Bringing Prop Strategies to Investors:** Established 2020, ARB AM leverages ARB's proven, prop-caliber strategies, to deliver sophisticated investment solutions to private capital.

**Integrated Subsidiaries for Institutional-Grade Support:** With divisions spanning broker/dealer services, trading execution, risk management software, compliance, and hedge fund services, ARB Asset Management provides a seamless, institutional-grade infrastructure.

**Tailored for Sophisticated Investors:** Designed for allocators seeking robust, data-driven, multi-strategy exposure, ARB Asset Management offers access to highly scalable, risk-adjusted strategies built on our prop trading heritage.



# Timeline



# ARB Advantages

## Trading Expertise

- 10 years trading history in listed derivative markets
- ~300 traders with offices in US, Canada, EMEA, and APAC
- Multiple strategies across all underlying asset classes via:
  - Systematic Trading
  - Fundamental Trading
  - Market Making
- Access to 30+ exchanges with 15+ memberships
- 10-person risk team
  - Risk managers come from trading backgrounds
  - Globally located for follow-the-sun coverage
- Integrated proprietary (Rival Systems) and 3<sup>rd</sup> party technology

## Operational Alpha

### Regulated Asset Manager

- Member of the NFA and registered as a CPO
- Full Compliance oversight and training
- Operations team monitoring settlement / margin transfer etc.
- Centralized Marketing and Sales team
  - Experienced US and EMEA based Sales team
  - Leverages ARB Trading Group/ARB ARB Asset Management profile

### Experienced Fund Manager

- Ex-4Alts team, experts in managing and administering Cayman SPV fund structures
- Management and monitoring of all Service Providers

### Risk Management – 3-lines of defense:

- 1<sup>st</sup> line: Investment team and trading model
- 2<sup>nd</sup> line: Asset Management team
- 3<sup>rd</sup> line: ARB Trading Group Risk Management team

	<b>ARB Flagship</b> SMA Based Multi-Strat Fund	<b>RoboSig</b> FX Mean Reversion Strategy	<b>SBGM</b> Futures Short-Term Trend Strat
Structure	Fund-only	Fund & SMA	SMA-only
Instruments	Futures, Equities, FX Spot	FX Futures, FX Spot	Futures
Managers	~60% Internal ARB Traders, ~40% External PMs	Managed by ARB's FX team, with backing from Institutional Investor	ARB Proprietary trader turned PM, with ARB risk management oversight
Strategy	Volatility-Weighted, Pod-Based Multi-Strat	FX Mean Reversion	Short-Term Macro Trend Following, using proprietary behavioral signals (price, time, depth, vol, etc signal inputs)
AUM	\$16mm (targeting \$25mm by year-end)	\$40mm+ (\$100mm+ reserved capacity)	~\$40mm
Geography	International	G7 Currencies Universe	International
Edge	Diversified, non-correlated pods with strict volatility weighting	Capital-efficient SMA model ideal for sophisticated investors with FX Prime or FCM access. Excellent risk-adjusted return in fund format.	High Sharpe and Sortino, leveraging proprietary short-term trend signals. Very capital efficient.
Established	2024	2015	2020
Performance Highlights	<ul style="list-style-type: none"> <li>- Early setbacks with select PMs; positive performance after portfolio adjustments</li> <li>- Actively managed for balanced monthly Alpha</li> </ul>	Proven resilience to FX volatility	<ul style="list-style-type: none"> <li>- Verified performance via ARB's prop account</li> <li>- High entry bar: \$5mm minimum viable allocation</li> </ul>
Investor Access	Fund-only, designed to optimize ARB's operational capabilities	Fund & SMA, adaptable for institutional investors with specific FX needs	Primarily SMA; Fund setup possible for large institutional interest



# **ARB Flagship Multi-Strategy Fund**

**An ARB Asset Management Fund**

# ARB Flagship Fund

## Historical Results and Summary Statistics

Month-to-Date	--	Year-to-Date			0.29%	Annualized RoR		0.49%	Annualized Vol.		7.28%	Worst Drawdown			-4.12%
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	
2024				(0.37%)	(0.52%)	(3.26%)	2.37%	2.95%	0.29%	(1.04%) **			0.29%	0.29%	

\*\* Indicates estimated performance figure.

### Program Stats

Alpha (S&P 500)	1.20%
Beta (S&P 500)	-0.07
% Profitable Months	42.86%
Upside Deviation	1.40%
Downside Deviation	1.34%
Best Monthly Return	2.95%
Worst Monthly Return	(3.26%)
Sortino Ratio	0.16
Sharpe Ratio	0.10

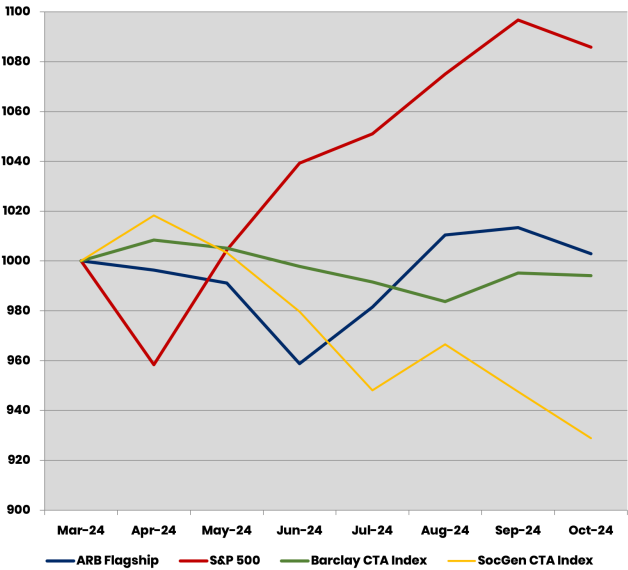
### Performance Window Analysis

Period	High	Low	Avg.
One Month	2.95%	(3.26%)	0.06%
Three Months	5.70%	(4.12%)	0.84%
Six Months	1.34%	0.66%	1.00%
Nine Months	--	--	--
Twelve Months	--	--	--
Eighteen Months	--	--	--
Twenty Four Months	--	--	--
Rolling 12-Month Vol.	--	--	--

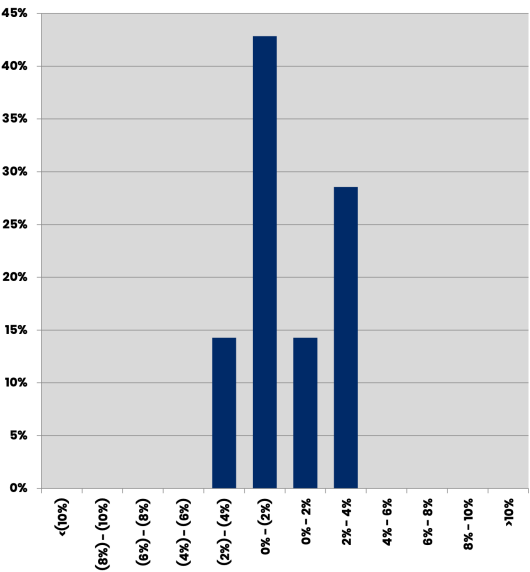
### Benchmark Correlations

S&P 500	(0.05)
Barclay Hedge Fund Index	0.00
HFRI Composite	0.00
VIX	0.12
US Bond Index (AGG)	0.42
Commodity ETF (COMT)	(0.83)
US REIT ETF (USRT)	0.46
Gold ETF	0.52
US \$ Index ETF	(0.68)

Comparative VAMI vs. Benchmarks



Distribution of Monthly Returns



**PAST PERFORMANCE IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS. THIS INFORMATION IS NOT INTENDED AS AN OFFER OF ANY KIND.**





# Flagship Fund Overview

The Fund's objective is to provide consistent, uncorrelated absolute returns with low volatility in all market environments. The fund aims to achieve this via application of a multi-strategy multi-manager investment program that seeks to combine non-correlated, superior risk-adjusted strategies into a comprehensive portfolio, with further operational and structural alphas obtained by leveraging ARB's vast trading infrastructure and market acumen.



We specialize in finding and cultivating niche, moderate capacity strategies trading various product categories, utilizing highly liquid instruments across multiple global exchanges.



The Flagship Fund utilizes a blend of proprietary technology and expertise to identify opportunities for alpha from both conventional and unconventional sources. A variety of investment strategies are utilized, incorporating extensive diversification across instruments, styles, and geographic regions. The allocation of capital is guided by factors such as the competitive advantage of the strategy, diversification benefits, market volatility, historical performance, correlations with broader market trends, capital efficiency, and other relevant considerations.

**ARB believes superior portfolio construction starts with integrating non-correlated strategies with diverse alpha sources and layering that with rigorous risk management and portfolio rebalancing when appropriate.**

## 01

### Dynamic Portfolio Management of Idiosyncratic Alpha

- We use quantitative and qualitative criteria, in combination with our decades of experience managing ARB's proprietary trading business, to identify superior managers with the ability to capitalize on specific market inefficiencies
- Selected managers generally derive alpha from diverse sources that typically move independently of each other
- ARB believes betas of traditional asset classes are highly correlated, especially in times of market stress, but idiosyncratic alpha is much less correlated – both to the broader market and also to other idiosyncratic alphas.

## 03

### Strategic Allocations

- ARB allocates based on a matrix of quantitative factors including risk adjusted returns, downside volatility, correlations to the broader market and other portfolio strategies
- We also assess qualitative factors in our allocation decisions such as obtaining a deep understanding of each strategy's source of alpha and using our market experience to determine if such alphas are likely to persist in various market environments.
- We dynamically allocate to strategies and adjust portfolio exposures based on real-time risk analysis

## 02

### SMA Structure is Superior

- Structuring each strategy investment as a Managed Account as opposed to a LP investment gives the Flagship Fund more control as well as more reliable, real-time measures of risk, correlations, and returns.
- Managed Accounts provide for portfolio cross margining leading to greater capital efficiency
- ARB's unique structuring allows the Flagship fund access to clearing and exchange fee efficiency typically only attained by prop trading firms and very large hedge funds.

## 04

### Open Architecture

- ARB allocates to both internally developed strategies as well as those of external managers. We also maintain the framework and flexibility to bring talented traders from the prop side under ARB Asset Management and have them manage external capital.
- We believe smaller and niche strategies have significantly greater and consistent alphas than their larger counterparts, as these strategies tend to invest in less crowded ideas without sacrificing liquidity



**ARB employs a rigorous four-step process to select managers who demonstrate disciplined risk management and consistent, strong performance, with a proven ability to sustain results over time**

FOUR TO EIGHT WEEKS

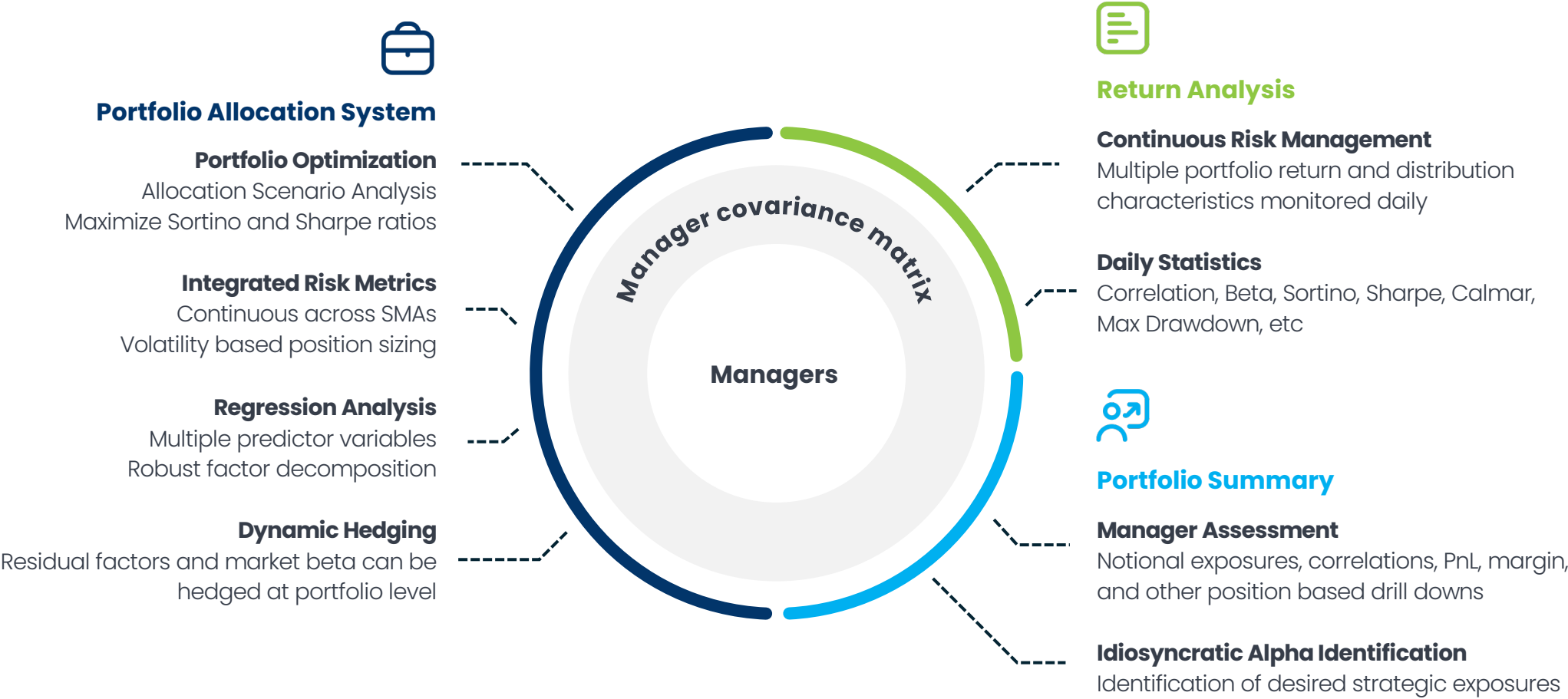


**ARB multi-tiered risk framework is used to manage a balance between risks and opportunity.**  
**Risk Management is a core function at ARB and is rooted in all key decisions**

Position & Manager Level	Portfolio Level	Organizational Level
<p>Exposures measured against coded risk limits and parameters, continuously through real-time transparency</p> <p>Diversification of positions and sources of return</p> <p>Hedging at position level</p> <p>Bespoke risk guidelines set for each PM at the strategy level</p> <ul style="list-style-type: none"> <li>• Max Position limits</li> <li>• Exposures</li> <li>• Trading Liquidity</li> <li>• Leverage</li> </ul>	<p>Proprietary risk systems for tracking positions and exposures across multiple managers</p> <p>Tracking of position-level factor exposures and ability to hedge any excess unwanted factor exposures</p> <p>Enhanced efficiency through unified integration and daily data consistency</p> <p>Scenario and Stress Test analysis to define probabilities of outcomes</p> <p>Risk guidelines set at the portfolio level with rigorous monitoring</p> <ul style="list-style-type: none"> <li>• Leverage and Margin</li> <li>• Liquidity</li> <li>• Exposures</li> <li>• Correlations</li> </ul>	<p>ARB maintains an in-house 24/5 Risk Team, including Risk Managers on three continents</p> <p>Routine investment, operations, and risk committee meetings to review allocations and exposures</p> <p>Written policies and procedures</p> <ul style="list-style-type: none"> <li>• Disaster Recovery Plan</li> <li>• Trading and Operations</li> </ul> <p>Service Providers carefully selected and monitored</p> <ul style="list-style-type: none"> <li>• Independent Fund administrator</li> <li>• Prime Brokers and Counterparties</li> <li>• FCMs</li> <li>• Legal and Compliance</li> <li>• Auditors</li> </ul>



**Portfolio Construction is a dynamic and multi-factor qualitative and quantitative process. Key factors are risk adjusted returns, liquidity, and volatility all with respect to market opportunities.**



# ARB Flagship Investment Summary

## Terms and Service Providers

<b>Minimum Investment</b>	\$1,000,000
<b>Management Fee</b>	1.75% (1.25% for seed investors)
<b>Incentive Split</b>	20% (10% for seed investors)
<b>Seed Investor Criteria</b>	~ \$20,000,000
<b>Lockup</b>	None (one year for seed terms)
<b>Subscriptions/Redemptions</b>	Monthly with 10 business days notice
<b>Custodian</b>	BMO
<b>Legal</b>	Riveles Wahab LLP
<b>Clearing Broker</b>	Wedbush
<b>Auditor</b>	Spicer Jeffries
<b>Administrator</b>	Formidium
<b>Fund Structures</b>	Onshore and Offshore
<b>Share Classes</b>	1x



# **RoboSig FX Alpha Gen Strategy**

**An ARB Asset Management Fund**



# RoboSig FX Alpha Gen Strategy

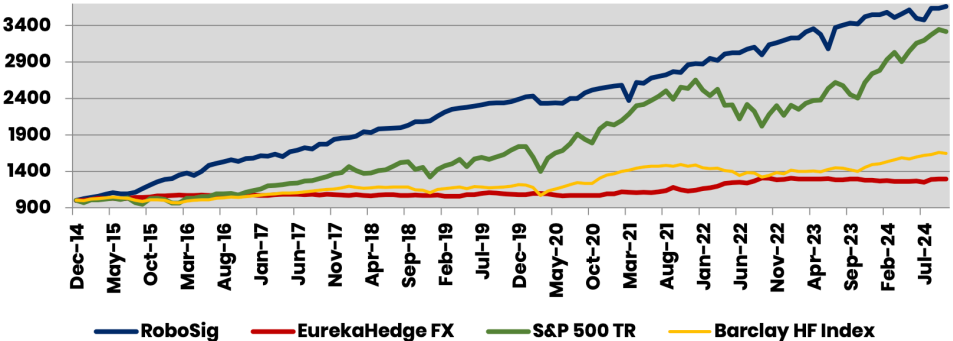
## Historical Results and Summary Statistics (Net of Fees)

Month-to-Date	--	Year-to-Date	3.28%	Annualized RoR	14.11%	Annualized Vol.	8.09%	Worst Drawdown							-8.16%
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	
2024	0.08%	0.86%	(1.93%)	1.34%	1.64%	(3.21%)	(0.67%)	4.56%	0.10%	0.66%			3.28%	266.10%	
2023	1.06%	(0.03%)	2.49%	1.29%	(2.16%)	(6.04%)	9.35%	0.97%	0.91%	(0.35%)	2.87%	0.69%	10.88%	254.48%	
2022	(0.23%)	2.80%	(0.98%)	2.90%	0.71%	(0.06%)	1.63%	0.87%	(3.30%)	4.54%	0.80%	1.13%	11.12%	219.69%	
2021	0.84%	0.38%	(8.16%)	10.54%	(0.47%)	2.74%	0.80%	0.80%	1.67%	(0.51%)	3.82%	0.63%	12.83%	187.71%	
2020	1.33%	0.64%	(4.15%)	0.06%	0.26%	(0.39%)	2.85%	(0.04%)	3.20%	1.62%	0.93%	0.50%	6.82%	154.99%	
2019	2.98%	2.68%	1.68%	0.79%	0.41%	0.67%	0.90%	0.98%	0.14%	(0.09%)	0.77%	1.38%	14.08%	138.71%	
2018	0.43%	1.13%	3.32%	(0.72%)	2.65%	0.18%	0.45%	0.11%	1.60%	2.55%	(0.12%)	0.72%	12.92%	109.25%	
2017	2.23%	(0.35%)	1.49%	(1.94%)	4.11%	1.41%	1.79%	(1.00%)	4.16%	(0.13%)	3.61%	0.91%	17.32%	85.30%	
2016	0.72%	4.02%	2.00%	(2.29%)	4.02%	5.93%	1.66%	1.76%	1.54%	(1.26%)	2.60%	0.21%	22.69%	57.95%	
2015	2.21%	1.58%	1.82%	2.81%	1.62%	(1.48%)	0.15%	2.08%	4.23%	4.52%	3.68%	2.46%	28.74%	28.74%	

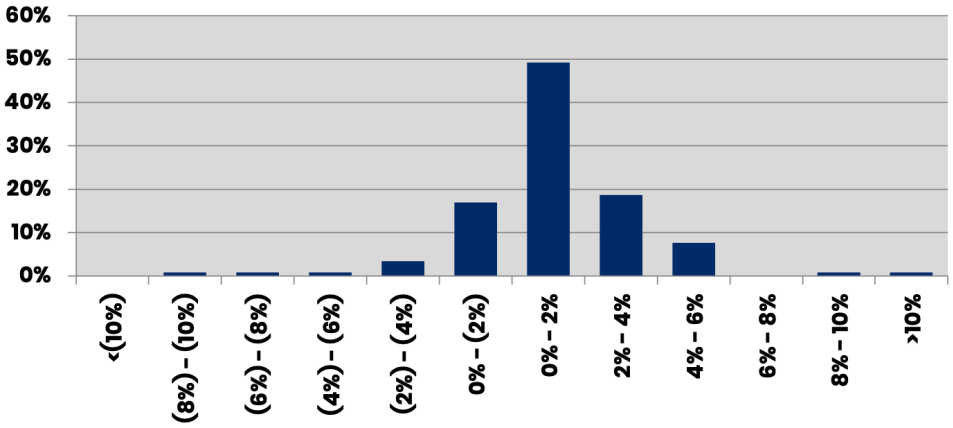
Shaded months indicate hypothetical returns. See Notes to Performance on page 31.

Program Stats		Performance Window Analysis				Benchmark Correlations	
Alpha (S&P 500)	13.10%	Period	High	Low	Avg.	S&P 500	0.08
Beta (S&P 500)	0.16	One Month	10.54%	(8.16%)	1.13%	EurekaHedge FX	(0.02)
% Profitable Months	77.12%	Three Months	13.04%	(7.04%)	3.40%	Russell 2K Growth ETF (IWO)	0.13
Upside Deviation	1.78%	Six Months	21.25%	(4.18%)	6.84%	NASDAQ Composite	0.08
Downside Deviation	1.97%	Nine Months	27.75%	(0.30%)	10.56%	US Bond Index (AGG)	0.17
Best Monthly Return	10.54%	Twelve Months	38.18%	1.60%	14.34%	US REIT ETF (USRT)	0.23
Worst Monthly Return	(8.16%)	Eighteen Months	48.18%	1.36%	21.78%	Commodity ETF (COMT)	0.11
Sortino Ratio	1.99	Twenty Four Months	57.98%	5.37%	29.37%	Gold ETF	0.05
Sharpe Ratio	1.68	Rolling 12-Month Vol.	14.60%	1.77%	7.65%	US \$ Index ETF	(0.13)

## Comparative VAMI vs. Benchmarks



## Distribution of Monthly Returns



PAST PERFORMANCE IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS. THIS INFORMATION IS NOT INTENDED AS AN OFFER OF ANY KIND.





## Who We Are

- RoboSig started in 2016 as a software and trading strategy developer specializing in offering a systematic and market neutral FX trading solution coupled with automated risk management.
- We partnered with large multinational banks and institutional investors, climbing to over \$250M in assets utilizing the RoboSig FX Strategy.
- Through partnership with ARB Asset Management, the Robosig FX Strategy can now be offered via private placement for qualified eligible persons.
- Today the Robosig team consists of 4 people, led by Richard Preschern and Dieter Marlovics, dedicated to the maintenance and development of FX strategies.

## Fund Overview

- RoboSig's objective is to provide consistent absolute returns with low volatility via an autonomous systematic FX strategy.
- Proprietary AI supported models and algorithms capture idiosyncratic opportunities in the currency markets of industrialized nations.
- **Strategy Capacity.** We specialize in trading FX Futures and Spot FX in the highly liquid \$6 Trillion+ daily global FX market. Capacity of the strategy is \$1B+ across futures and spot markets.
- The Robosig FX Strategy is designed to be market neutral with an average trade duration of just over one week, monetizing short term dislocations in target currency baskets.
- The strategy is available in fund format and via SMA. Its low margin-to-equity ratio make it extremely capital efficient for investors in the Managed Futures space.



# Strategy Details



## FX Trade Flows

Dislocations, or anomalies, in FX flows happen for a multitude of reasons – but can generally be classified into anomalies in 2 types of flows: **natural flows** and **trending flows**.

- Natural flows might happen when currencies within the G7 are relatively stable to one another. These consist of the natural flows of currencies for balance of trade, corporate currency movements, investment, etc.
- Trending flows might happen due to things such as Central Bank Monetary Policy, Exchange Regime setting, and in rare-instances currency intervention.



## FX Mean Reversion

Irrespective of whether an anomaly happens during a period of normal flow or trending flow between a given currency pair, FX pairs tend to exhibit a pattern of short-term mean reversion from these anomalies. It is this short-term mean reversion that the RoboSig FX Alpha Gen strategy seeks to monetize.

***RoboSig's thesis is that the global monetary system acts as a giant 'rubber band ball.' When pieces are stretched, they are always, at least partially, pulled back. RoboSig seeks to mine this global monetary stability that allows the world economic engine to function.***



# Portfolio Construction

**RoboSig attempts to decrease portfolio volatility while maintaining alpha by abiding by the following portfolio criteria:**

- ✓ Restrict trades to highly liquid, stable, industrialized nation currencies (colloquially “G7 currencies”)
- ✓ Initiate many small trades in various currency baskets within that G7 universe
- ✓ Constantly monitor each trade’s PnL:
  - If profit target is achieved, exit trade.
  - If trade moves against AND further anomaly signal is present, increase trade
  - If trade-stop loss is hit, exit trade.
- ✓ Limit the correlation of any traded basket to 0.50 or less with all other baskets in the portfolio
- ✓ Maximum of 20 initiated baskets each day
- ✓ Maximum of 120 open trade baskets
- ✓ Per currency portfolio concentration limits (based on overall currency liquidity)
- ✓ Per basket maximum concentration (based on basket currency liquidity)



The goal of the listed criteria is to create a portfolio where the strategy is ideally taking small profits on multiple trades each day. This is reflected in both the consistency of daily profits in both the RoboSig FX Alpha Gen backtest as well as the live trading in an ARB Trading Group proprietary account, both using FX Futures . Additionally, the same strategy has been employed in FX spot markets utilizing a lower leverage profile since 2016, with SMA live trading results viewable on the associated tear sheet.





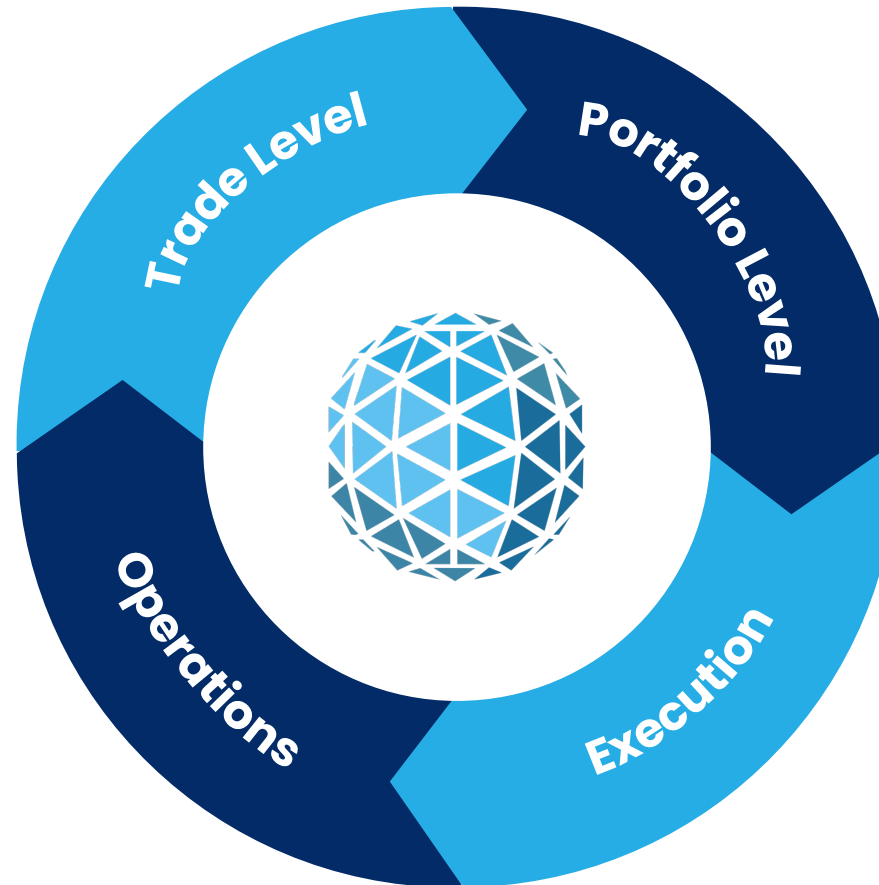
# Risk Management



Actual Risk Management is embedded in:

1. The systematic model itself
2. The Robosig team overseeing trading + the model.
3. The ARB Trading Group Risk Management team – 24/5.
4. The ARB Asset Management team monitoring the fund.

*This is complemented by fully automated middle and back-office trade processing and Rival Systems risk and trading technology.*



- Total exposure limit (leverage) as a fixed multiple of capital
- Per Currency concentration limits
- Basket correlation limits
- Regular review of internal risk limits and processes
- Live PnL and risk monitoring
- Limits on total and per currency volume and open orders
- All orders pass through risk checks
- 24/5 live monitoring





# RoboSig Investment Summary

## Terms and Service Providers

<b>Minimum Investment</b>	\$100,000 for seed investors
<b>Management Fee</b>	1.25% for seed investors
<b>Incentive Split</b>	10% for seed investors
<b>Seed Investor Criteria</b>	~ \$15,000,000
<b>Lockup</b>	None
<b>Subscriptions/Redemptions</b>	Monthly with 10 business days notice
<b>Custodian</b>	BMO
<b>Legal</b>	Riveles Wahab LLP
<b>Clearing Broker</b>	Wedbush
<b>Auditor</b>	Richey May
<b>Administrator</b>	Formidium
<b>Fund Structures</b>	Onshore Only

# SBGM

## **Systematic Behavioral Global Macro Strategy**

**An ARB Asset Management Fund**



SBGM

Historical Results and Summary Statistics (Net of 2/20 Fees)

Month-to-Date	--	Year-to-Date	8.53%	Annualized RoR	13.66%	Annualized Vol.	8.88%	Worst Drawdown							-6.51%
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	
2024	(1.41%)	1.63%	2.18%	(1.42%)	4.38%	(2.03%)	6.76%	1.15%	0.80%	(3.39%)			8.53%	85.66%	
2023	(0.75%)	(4.16%)	3.63%	(1.46%)	3.64%	2.18%	(0.79%)	(0.96%)	2.37%	1.22%	3.52%	6.07%	15.02%	71.07%	
2022	(0.18%)	(1.18%)	4.11%	1.52%	1.04%	1.93%	1.09%	0.94%	(0.05%)	(1.30%)	1.33%	1.78%	11.47%	48.73%	
2021	(0.27%)	2.06%	(3.30%)	0.05%	1.23%	(2.77%)	2.89%	3.25%	1.06%	1.06%	0.41%	0.38%	6.00%	33.43%	
2020	4.41%	1.55%	10.04%	3.44%	0.04%	3.58%	0.19%	0.05%	1.91%	2.16%	(2.11%)	(1.46%)	25.88%	25.88%	

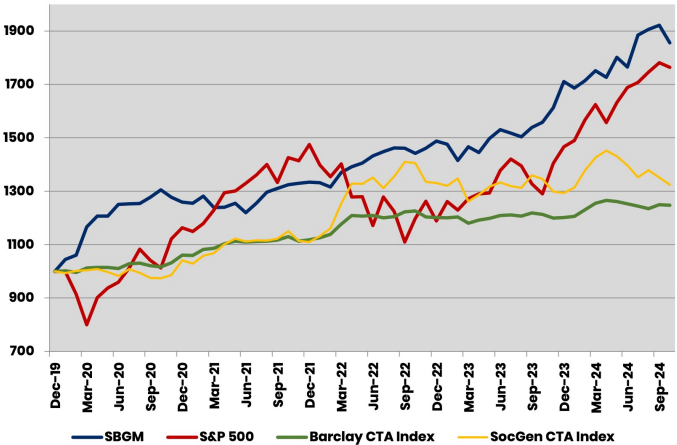
Gray shaded months indicate live returns of the strategy for SMA clients. Please refer to the Notes to Performance on Page 31.

Program Stats	
Alpha (S&P 500)	13.98%
Beta (S&P 500)	-0.23
% Profitable Months	68.97%
Upside Deviation	2.02%
Downside Deviation	1.16%
Best Monthly Return	10.04%
Worst Monthly Return	(4.16%)
Sortino Ratio	3.30
Sharpe Ratio	1.49

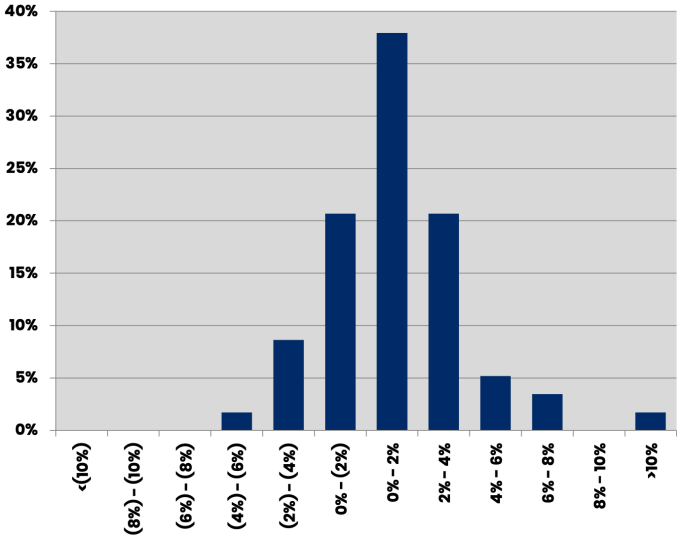
Performance Window Analysis			
Period	High	Low	Avg.
One Month	10.04%	(4.16%)	1.10%
Three Months	16.67%	(3.80%)	3.39%
Six Months	25.05%	(5.01%)	6.13%
Nine Months	27.75%	(4.49%)	8.66%
Twelve Months	26.81%	(2.43%)	11.07%
Eighteen Months	34.75%	5.00%	15.94%
Twenty Four Months	33.43%	10.43%	21.39%
Rolling 12-Month Vol.	11.22%	4.40%	7.63%

Benchmark Correlations	
S&P 500	(0.11)
Barclay CTA Index	(0.01)
SocGen CTA Index	(0.10)
VIX	0.08
US Bond Index (AGG)	0.27
Commodity ETF (COMT)	(0.37)
US REIT ETF (USRT)	(0.10)
Gold ETF	0.20
US \$ Index ETF	(0.26)

Comparative VAMI vs. Benchmarks



Distribution of Monthly Returns



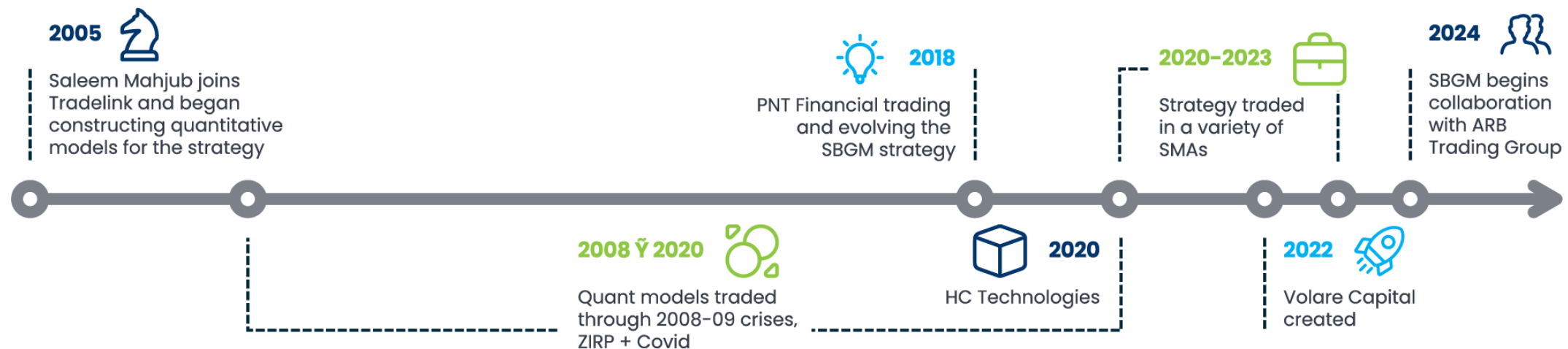
PAST PERFORMANCE IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS. THIS INFORMATION IS NOT INTENDED AS AN OFFER OF ANY KIND.



# Who We Are

## Saleem Mahjub, Portfolio Manager

Saleem began his trading career at Tradelink in 2005 after graduating from the University of Illinois with a degree in mechanical engineering, and first found success in the Chicago prop trading world. Relying on his background of engineering and software development, he started creating the framework of the quantitative models that would become the Systematic Behavioral Global Macro strategy. His belief in a disciplined and systematic approach have been reaffirmed through various market cycles, including the 2008-2009 Financial crisis, the zero-interest rate policy (ZIRP) markets of the 20-teens, and the market volatility induced in 2020 by COVID lockdowns. With more than a decade of experience as a systematic trader, spanning numerous market regimes, Saleem has developed a deep insight into the discovery of alpha, realistic back testing procedures, robust portfolio creation and efficient risk management. His consistent risk-adjusted results combined with his approach to risk management have made him a valuable asset to the ARB team.



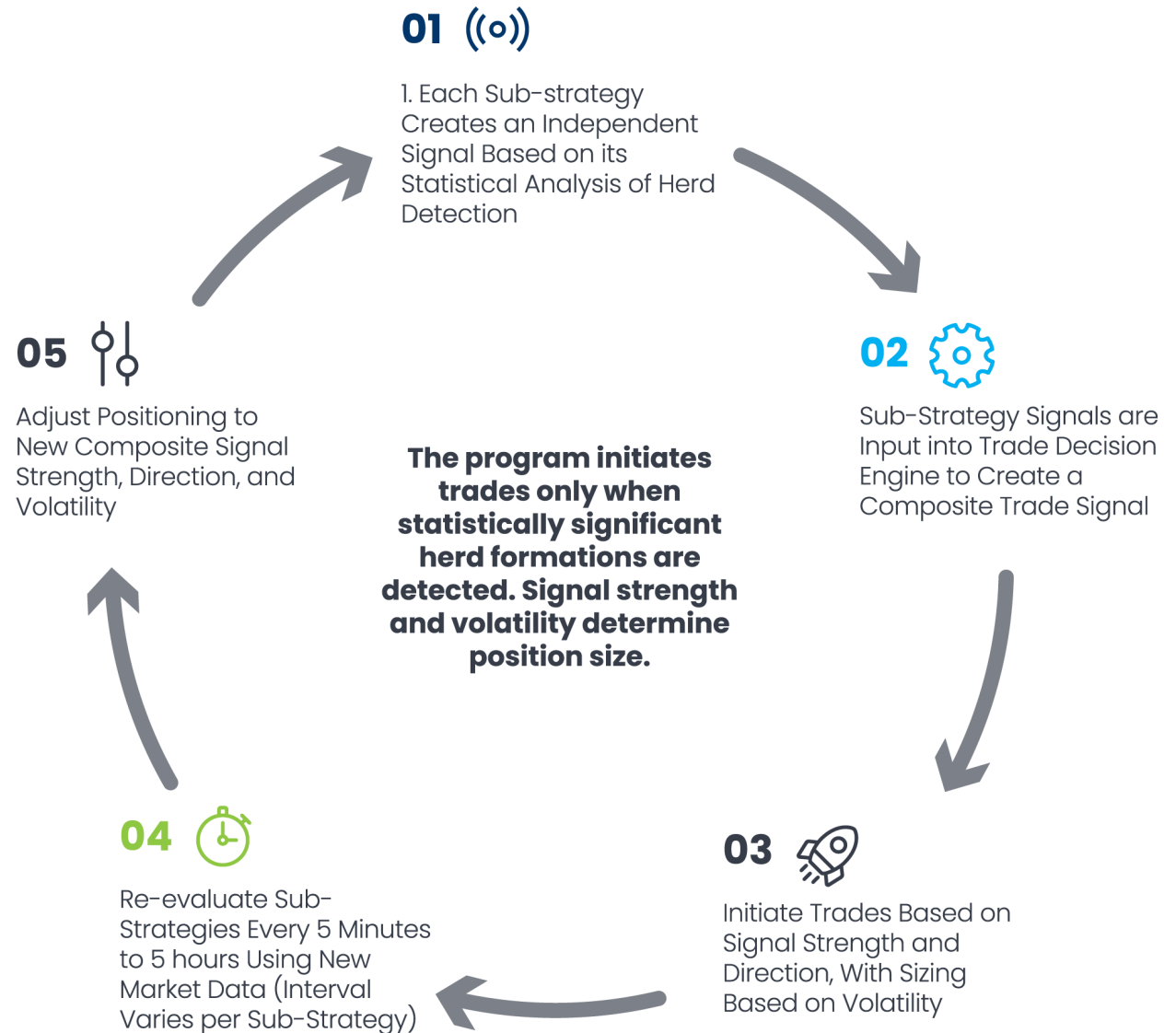


# Strategy Details

## Statistical Pattern Recognition

- The Systematic SBGM Strategy leverages extensive historical data to identify market anomalies, signaling potential herd behavior.
- Employs 13 sub-strategies, each detecting outlier patterns, with outputs fed into a central decision engine to generate potential trade signals.
- Decision engine consolidates sub-strategies' trade signals, determining direction, strength/conviction, and sizing/risk.
- Focuses on short-term trades, typically lasting from minutes to a few days, rarely beyond weeks.
- During the modeling phase, each sub-strategy is rigorously tested over a long period and optimized for stability and performance metrics (e.g., Sharpe, Sortino, max drawdown)

**Trades are restricted to highly liquid, exchange-traded futures across equities, commodities, currencies, precious metals, and interest rates.**



# Portfolio Construction

The Systematic Behavioral Global Macro attempts to decrease portfolio volatility while maintaining alpha by abiding by the following portfolio criteria:

- Restrict trades to highly liquid exchange traded futures across multiple asset classes including equity, commodity, currency, precious metals, and interest rates complexes
- Initiate trades only when statistically significant herd formations are detected, with signal strength and volatility determining position size.
  - Volatile markets lead to smaller position sizing than calm markets
- Positions are targeting a \$/risk metric, and each underlying is allocated the same dollar unit of risk. This keeps the portfolio balanced and vol optimized.

# Strategy Correlation Matrix

	Systematic BGM	S&P 500	AGG	IWO	QQQ	USRT	COMT	CTA Index	EurekaHedge
Systematic BGM	1.00	-0.14	0.20	-0.15	-0.01	-0.17	-0.38	0.09	-0.18
S&P 500	-0.14	1.00	0.55	0.87	0.92	0.89	0.32	0.15	0.88
AGG	0.20	0.55	1.00	0.48	0.63	0.54	0.07	-0.31	0.43
IWO	-0.15	0.87	0.48	1.00	0.81	0.81	0.27	0.14	0.90
QQQ	-0.01	0.92	0.63	0.81	1.00	0.77	0.24	0.05	0.77
USRT	-0.17	0.89	0.54	0.81	0.77	1.00	0.37	0.16	0.87
COMT	-0.38	0.32	0.07	0.27	0.24	0.37	1.00	0.25	0.40
CTA Index	0.09	0.15	-0.31	0.14	0.05	0.16	0.25	1.00	0.31
EurekaHedge	-0.18	0.88	0.43	0.90	0.77	0.87	0.40	0.31	1.00

## Systematic Behavioral Global Macro Correlations

- Very low correlations, skewing negative, across all major asset classes
- Slightly negative correlation with US Large Cap Equity (S&P 500)
  - Strategy tends to do well when equities struggle
- Lower correlation to other asset classes than CTAs and Hedge Funds

AGG = iShares Core US Aggregate Bond ETF; IWO = iShares Russell 2000 Growth ETF; QQQ = NASDAQ 100 Index; USRT = iShares Core US REIT ETF; COMT = iShares GSCI Commodity ETF; CTA Index = Eureka Hedge CTA/Managed Futures Index; EurekaHedge = EurekaHedge Hedge Fund Index

The performance data reflects a period when the manager was managing Separately Managed Accounts ("SMAs"). Due to the differing circumstances of managing SMAs, results generated in a SMA could be materially different from performance that may be achieved in a fund structure. PAST PERFORMANCE (WHETHER RETROSPECTIVELY CALCULATED OR ACTUAL HISTORICAL) IS NOT INDICATIVE OF FUTURE RESULTS.

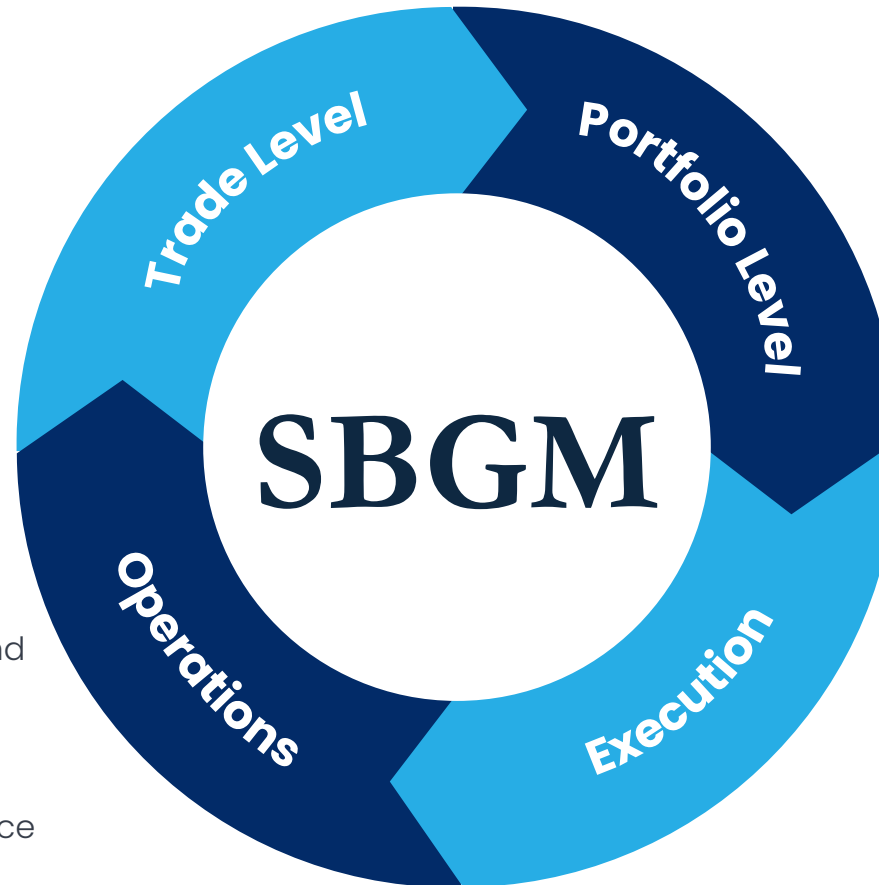
# Risk Management



- Each trade and underlying has a maximum size limitation
- Trade sizing is relative to realized volatility – the greater the vol, the smaller the sizing



- Regular review of internal risk limits and processes
- Live PnL and risk monitoring
- Fully automated middle and back office trade processing



- Total intra-day and overnight exposure limit
- Max overnight margin-to-equity limits
- Concentration limits per asset class
- Dollar-risk sizing of positions



- All orders are executed algorithmically
- All orders pass through pre-trade risk checks
- 24/5 live monitoring by ARB's Global Risk Team

# SBGM Investment Summary

Terms and Service Providers	
Minimum Investment	\$5,000,000 for SMA
Management Fee	By negotiation
Incentive Split	20%
Custodian	BMO
Legal	Riveles Wahab LLP
Clearing Broker	Wedbush



# Disclaimers

## For Professional Clients or Eligible Counterparties (UK) and Qualified Eligible Person(s) (US) ONLY

This material has been prepared by ARB Asset Management, LLC ("ARBAM"), a Member of the National Futures Association and registered as a Commodity Pool Operator only providing services to Qualified Eligible Participants ("QEPs") as defined in section 4.7 of the Commodity Exchange Act. The ARB Flagship Multi-Strategy Fund can only be implemented through a 4.7 exempt commodity pool (a "Fund") solely to individuals who qualify as QEPs under CFTC Regulation 4.7. This document is distributed by Apicem Consulting Ltd an Appointed Representative of J8 Capital Management LLP. J8 Capital Management LLP is authorized and regulated by the Financial Conduct Authority (FRN 767969) in the UK. This material is distributed to LLP to investors who are Professional Clients or Eligible Counterparties under the Rules of the United Kingdom Financial Conduct Authority ("FCA") or Qualified Eligible Persons (US) or any other jurisdiction as applicable.

The information contained herein has been prepared solely for informational purposes and is not an offer to buy or sell or a solicitation of an offer to buy or sell any interests in a Fund or to participate in any SMA. If any offer of interests is made, it shall be pursuant to a definitive private placement memorandum of the Fund and the Fund's operating agreement and subscription agreement prepared by or on behalf of the Fund that will describe in greater detail the Fund and which would contain material information not contained herein and which shall supersede this information in its entirety. Any decision to invest in interests in a Fund should be made after reviewing such definitive documents, conducting such investigations as the investor deems necessary and consulting the investor's own investment, legal, accounting and tax advisors in order to make an independent determination of the suitability and consequences of an investment in the Fund.

This presentation and its contents are proprietary information of ARBAM, and any reproduction of this information, in whole or in part, without the prior written consent of ARBAM is prohibited. Additional information is available from ARBAM upon request. Neither ARBAM nor any of its partners, members, officers, directors, managers or affiliates are acting as your advisor or agent. SMA and hedge fund investing is speculative and involves substantial investment, liquidity and other risks. SMAs and hedge funds can be leveraged, and their performance results can be volatile. Past performance is no indication of future results. There is no public market for the investors' interest in a Fund and a Fund's operating agreement may impose significant transfer restrictions. Furthermore, the operating agreement may limit the investor's ability to redeem its investment in the Fund. As a result, an investor may lose its entire investment therein. Fees and expenses of the Fund may offset the Fund's profits.

This document contains certain forward-looking statements that involve risks and uncertainties, including, in particular, those regarding the ability of the strategy to achieve expected performance targets from its investments and to continue to meet its future operating obligations. Other factors that could cause or contribute to such risks and uncertainties include, but are not limited to, a Fund's ability to meet its targeted level of overhead expenditure, changes in general economic and business conditions, unanticipated effects of competition, changes in technology and methods of marketing, and various other factors beyond the control of ARBAM or the Fund. In addition, any forward-looking statements represent our estimates only as of today and should not be relied upon as representing our estimates as of any subsequent date. While we may elect to update forward looking statements at some point in the future, we specifically disclaim any obligation to do so, even if our estimates change.

FUTURES AND OPTIONS TRADING HAS LARGE POTENTIAL REWARDS, BUT ALSO LARGE POTENTIAL RISKS. YOU MUST BE AWARE OF THE RISKS AND BE WILLING TO ACCEPT THEM IN ORDER TO INVEST IN THE FUTURES AND OPTIONS MARKETS AND IN ORDER TO INVEST IN THE COMPANY. DO NOT TRADE OR INVEST WITH MONEY YOU CAN'T AFFORD TO LOSE. THIS DOCUMENT AND ITS CONTENTS ARE NEITHER A SOLICITATION NOR AN OFFER TO BUY OR SELL FUTURES, STOCKS OR OPTIONS ON THE FUTURES OR OPTIONS MARKETS. NO REPRESENTATION IS BEING MADE THAT ANY ACCOUNT OR INVESTMENT WILL OR IS LIKELY TO ACHIEVE PROFITS OR LOSSES SIMILAR TO THOSE DISCUSSED IN THIS DOCUMENT (IF ANY). THE PAST PERFORMANCE OF ANY TRADING SYSTEM OR METHODOLOGY IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS

# Disclaimers

## For Professional Clients or Eligible Counterparties (UK) and Qualified Eligible Person(s) (US) ONLY

An investment in the Fund has not been approved by any U.S. federal or state securities commission or any other governmental or regulatory authority. Furthermore, the foregoing authorities have not passed upon the accuracy, or determined the adequacy, of this document, the Offering Memorandum or Limited Partnership Agreement associated with the Fund. Any representation to the contrary is unlawful.

This document may present past performance data regarding prior/other investments, funds, and/or trading accounts managed by the General Partner and/or the Principal(s). This is presented solely for explanatory purposes. The Fund may face risks not previously experienced or anticipated by the General Partner and/or Principals, and therefore, prospective investors should evaluate the Fund on its own merits. Furthermore, there is no guarantee the General Partner and/or Principal will be able to replicate the mandate, strategy, portfolio construction and risk management parameters reflected in their prior performance data. Market factors and unforeseen circumstances both internally and externally may result in a wide deviation from the returns reflected in the prior performance data, and there is no guarantee the General Partner and/or the Principal(s) will be able to avoid and/or remediate such internal and external factors. Past performance is not indicative or a guarantee of future results.

## PAST PERFORMANCE RETURNS

PAST PERFORMANCE (WHETHER RETROSPECTIVELY CALCULATED OR ACTUAL HISTORICAL) IS NOT INDICATIVE OF FUTURE RESULTS.

## IMPORTANT NOTE ON HYPOTHETICAL PERFORMANCE

CERTAIN OF THE PERFORMANCE INFORMATION PROVIDED IN THIS DOCUMENT IS HISTORICAL HYPOTHETICAL SIMULATED PERFORMANCE ("HYPOTHETICAL PERFORMANCE") PRODUCED BY A MODEL FOLLOWING WHAT IS BELIEVED TO BE A MATERIALLY SIMILAR STRATEGY AS WILL BE UTILIZED BY ARB ASSET MANAGEMENT. IT DOES NOT REPRESENT THE ACTUAL PERFORMANCE OF ANY FUND OR ACCOUNT AND NO INVESTOR HAS EXPERIENCED THESE RESULTS. HYPOTHETICAL PERFORMANCE, INVOLVING MODELLING COMPONENTS AND ASSUMPTIONS, HAS INHERENT LIMITATIONS, SOME OF WHICH ARE DESCRIBED HEREIN. EACH PRODUCT MANAGED BY ARB ASSET MANAGEMENT WILL HAVE ITS OWN GUIDELINES AND RESTRICTIONS WHICH MAY BE DIFFERENT FROM THE GUIDELINES AND RESTRICTIONS ASSUMED IN PRODUCING THE OUTPUT OF THE MODEL THAT PRODUCED THE HYPOTHETICAL PERFORMANCE SHOWN. USING DIFFERENT GUIDELINES OR STRATEGIES THAN THOSE ASSUMED TO GENERATE THE HYPOTHETICAL PERFORMANCE WILL PRODUCE RESULTS WHICH DIFFER, PERHAPS MATERIALLY FROM THOSE PRESENTED HERE. NO REPRESENTATION IS MADE AS TO THE ACCURACY OF THE HYPOTHETICAL PERFORMANCE OR THAT ALL ASSUMPTIONS RELATING TO SUCH HYPOTHETICAL PERFORMANCE HAS BEEN CONSIDERED. ANOTHER LIMITATION IS THAT THEY DO NOT REFLECT ACTUAL TRADING, AND THEREFORE, DO NOT REFLECT THE IMPACT THAT ECONOMIC AND MARKET FACTORS INCLUDING CONCENTRATION, LACK OF LIQUIDITY OR MARKET DISRUPTIONS, MAY HAVE ON INVESTMENT DECISIONS. ACTUAL EVENTS MAY BE DIFFERENT, PERHAPS MATERIALLY, FROM THOSE ASSUMED. THE INFORMATION CONTAINED HEREIN DOES NOT PURPORT TO CONTAIN ALL THE INFORMATION THAT MAY BE REQUIRED TO EVALUATE THE INVESTMENT STRATEGY AND YOU SHOULD CONDUCT YOUR OWN INDEPENDENT ANALYSIS OF THE DATA REFERRED TO HEREIN. THE ACTUAL PERFORMANCE OF ANY FUND MAY BE MATERIALLY DIFFERENT FROM THE HYPOTHETICAL PERFORMANCE SHOWN FOR SEVERAL REASONS INCLUDING (I) DIFFERENCES IN NET ASSET VALUES AND EXPENSES RATIOS, (II) DIFFERENCES IN THE PORTFOLIO, FEES AND COMMISSIONS, (III) PERMITTED INVESTMENT GUIDELINES, (IV) DIFFERENT LIQUIDITY TERMS, AND (V) CHANGES IN TRADING STRATEGY OVER TIME. ACTUAL RETURNS WILL BE REDUCED BY EXPENSES THAT MAY BE INCURRED OTHER THAN MANAGEMENT AND PERFORMANCE FEES. THERE IS NO CERTAINTY OR REPRESENTATION MADE THAT ANY INVESTMENT PRODUCT OR ACCOUNT'S PERFORMANCE WILL BE OR WOULD HAVE BEEN SIMILAR TO THE HYPOTHETICAL PERFORMANCE PROVIDED. THE USE OF THE HYPOTHETICAL PERFORMANCE IS PROVIDED SOLELY FOR INFORMATIONAL PURPOSES AND SHOULD NOT SERVE AS THE BASIS FOR A DETERMINATION TO INVEST IN ANY INVESTMENT PRODUCT.



# Contact Us

- 🌐 [www.arb-tg.com/arb-asset-management](http://www.arb-tg.com/arb-asset-management)
- 📍 401 W Superior St, Suite 100  
Chicago, IL 60654
- ✉️ [mdowning@arb-tg.com](mailto:mdowning@arb-tg.com)