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Fund Name: Luxstella Blight Star Strategy ≪PAMM ・EA System≫

(Infinitia Link Limited) ≪Automated Program System Trading (CFD Trading)≫

Luxstella Blight Star Strategy ≪PAMM ・EA System≫

Management Type	Features
１．Sirius (Profit-seeking type PAMM・EA System) Return: High Risk: Medium	To hedge against the impact of external factors (such as unforeseen events), the main focus of operation is placed on the "Breakout Strategy/Scalping Trade type" (logic that is less affected by external environments), and to execute the accumulation of stable earnings through short-term trading. At the same time, in the trading style, by setting a certain allocation ratio for the "Breakout Strategy/Scalping Trade type" (logic that is susceptible to external influences but has a larger profit margin and high performance), the <u>aim is to expand the aggressive profit margin and achieve both stable earnings and high-performance aggressive revenue acquisition.</u>
２．Vega (Stability-focused type PAMM・EA System) Return: Medium-High Risk: Medium-Low	For the main operation, the "Anomaly Strategy/Day Trade type" (logic that is susceptible to external influences but has a large profit margin and high performance) is used, and as a hedge, a balanced allocation is set in the trading style for both the "Breakout Strategy/Scalping Trade type" (logic that is less affected by external environments) and the "Breakout Strategy/Swing Trade type" (logic that achieves larger profit margins). This approach <u>aims to secure stable small profits while also placing emphasis on trades that can earn large profits in a single transaction.</u>
３．Betelgeuse	A balanced operation that diversifies all strategies to hedge risks while stacking

(Balanced type PAMM・EA System) Return: Medium Risk: Low	profits from trades with large profit margins that occur during "market timing" with "anomaly type" logic and "swing type" logic strategies. This approach takes advantage of the "strategy diversification effect" of low correlation between strategies from the perspective of risk reduction to maintain a balanced operation.

*EA stands for "Expert Adviser," which refers to an "automated program trading" system. PAMM is an abbreviation for "Percent Allocation Management Module," which refers to a "Managed Account" system.

*CFD (Contract for Difference) trading refers to a settlement transaction based on the difference in value.

*The estimated position holding time in "algorithmic trading" strategies: "Swing Trade type" > "Day Trade type" > "Scalping type."

Overview of Luxstella Blight Star Strategy ≪PAMM・EA System≫ (Infinitia Link Limited)

■ This hedge fund (PAMM・EA system) employs an operating method that fuses "Fintech (the integration of IT and finance)" with "traditional finance" and "behavioral finance."

《Five Key Features》

１. It is a fund aimed at achieving absolute returns.

２. Implements an "automated program trading" System (EA: Expert Adviser) into the PAMM (Percent Allocation Management Module) System.

３. Develops trading logic based on actual market "anomalies" occurring due to the participation and transactions of various investors (individual investors, institutional investors, corporate finance, options, futures, foreign exchange) and associated behavioral concepts.

４. Utilizes the concept of "Fintech (the integration of IT and finance)" to effectively employ the "PAMM・EA System" (Managed Account), elevating to a hedge fund at low cost.

５. Incorporates AI (with learning capabilities) in the selection of "optimal factors" that aim to maximize the "Sharpe Ratio" for each strategy, estimate "parameters (expected rate of return)", and construct "optimal allocation" to implement the optimal Modern Portfolio Theory (MPT).
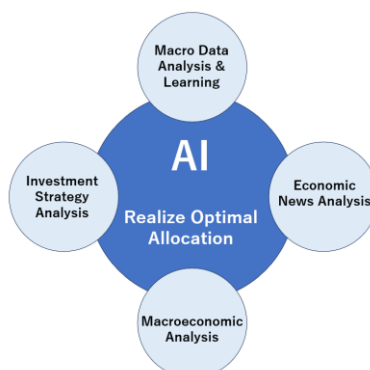
※CFD (Contract for Difference) trading refers to a settlement transaction based on the difference in value.

※EA stands for "Expert Adviser," which refers to an "automated program trading" system. PAMM is an abbreviation for "Percent Allocation Management Module," which refers to a "Managed Account" system.

Luxstella Blight Star Strategy ≪PAMM・EA System≫ (Infinitia Link Limited) Product Highlights

・The strategy not only has been confirmed to have an edge over a backtesting period of more than the past 10 years but also includes logic based solely on conditions that can be explained through macro and statistical data for predicting future market superiority.

・To stabilize operational performance, the strategy diversifies the return and risk of the EAs it operates by incorporating EAs with low correlation in entry and exit timing.

・By using individual EAs, unsystematic risks are made evident as actual returns, and based on factors estimated by AI, the expected rate of return [ER] is calculated, and the construction of the optimal Modern Portfolio Theory (MPT) is carried out (a fusion with "traditional asset management").

《The Process of Constructing Optimal Allocation》

Luxstella LLC - Luxstella Bright Star Strategy (Product Overview)

Step	Work Content	Operation	Statistics/Function
1	Calculate the return of each EA (dependent variable) and the mean, variance, and standard deviation of each factor (independent variable).	Use the "basic statistics" of "data analysis".	Basic Statistics
2	Calculate the variance-covariance matrix of the return of each EA (dependent variable) and each factor (independent variable).	Use the "covariance" of "data analysis".	Covariance Matrix
3	Calculate the correlation coefficient between the return of each EA (dependent variable) and each factor (independent variable).	Use the "correlation" of "data analysis".	Correlation
4	Extract principal components from each factor (independent variable) and use these principal components as "independent variables" to conduct PCR model (Principal Component Regression) and PLS model (Partial Least Squares Regression) to predict the dependent variable (next month's return rate of EA). The following two types of regression analyses are conducted: PCR Model: "Principal components are calculated through principal component analysis regardless of the dependent variable." PLS Model: "Constructed to maximize the covariance between the dependent variable and the principal components, it's a model that considers the dependent variable."	Check the correlation coefficients outputted in step 3. ① Extract principal components from each factor (explanatory variable) using principal component analysis, and perform regression analysis using the principal components as explanatory variables. ⇒ "Principal Component Regression (PCR model)" ② A model that is created so that the covariance between the target variable and the principal component is maximized, and considers the target variable. ⇒ "Partial Least Squares Regression Analysis (PLS model)"	Correlation & Multiple Regression Analysis
5		Multiply the coefficients outputted from the regression analysis by the factor values, add the intercept, and predict the return for the next month.	Regression Equation Results
6	Calculate the optimal investment ratio for each EA (each strategy).	Using the "variance-covariance matrix" calculated in step 2 and the "predicted return (expected return)" calculated in step 8, compute the optimal investment ratio.	Portfolio Construction

Luxstella Blight Star Strategy ≪PAMM & EA System≫ Strategy

■Strategy Allocation

The δ (delta) and α (alpha-) profit opportunities are controlled by balancing 'strategy' and 'leverage', while simultaneously managing risk-return in terms of 'absolute return value' and 'drawdown'. This is an operational method that controls both.

１．Anomaly strategy (Logic management & development based on the anomalies of each currency) - Day trading type

２．Breakout strategy - Scalping trade type

３．Breakout strategy - Swing trade type

４．Trend-follow strategy - Day trading type

≪EA (Automated Program Trading) Currency Pairs & Strategy Categories≫

Hedge Fund Adopted EA (Automated Trading) System				Hedge Fund<PAMM・EA System>		
Types	Currency	Trading Logic (Market Timing)	Trading Style (Algorithmic Trading)	１．Sirius (Profit Pursuit Type)	２．Vega (Stability Emphasis Type)	３．Betelgeuse (Balanced Type)
EA.Ⅰ	① USDJPY	Logic based on the anomaly of each currency	Day Trading	●	●	●
EA.Ⅱ	② GBPJPY			●	●	
EA.Ⅲ	③ EURJPY			●	●	
EA.Ⅳ	④ GBPUSD	Breakout	Scalping	●		
EA.Ⅴ	⑤ EURUSD			●		
EA.Ⅵ	① USDJPY				●	●
EA.Ⅶ	② GBPJPY	Breakout	Swing Trading		●	●
EA.Ⅷ	① USDJPY	Trend Following	Day Trading			●

*EA stands for "Expert Adviser," referring to an automated trading system. PAMM is an acronym for "Percent Allocation Management Module," which is a system for managed accounts.

≪Investment Concept Diagram≫

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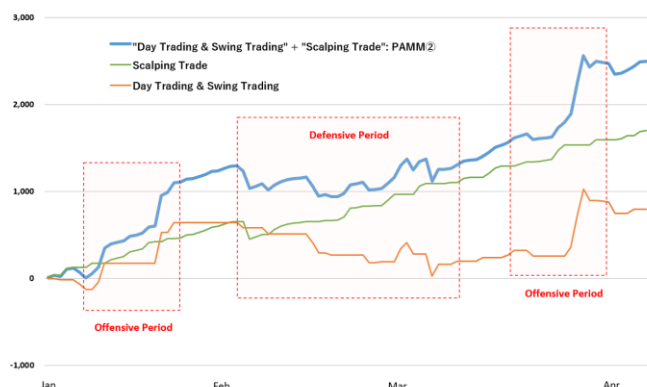
Luxstella Blight Star Strategy ≪PAMM・EA System≫ (Infinitia Link Limited) Product Overview

１. Sirius (Profit-Oriented Model, Return: High, Risk: Medium)
Key Points of Sirius (PAMM・EA System)

■Currency Types/Strategy: 5 currencies/3 Strategies (USD/JPY, GBP/JPY, EUR/JPY, GBP/USD, EUR/USD)

■Expected Rate of Return: 40% to 60%

■Expected Maximum Drawdown Range: 5% to 20%

■Overall Sharpe Ratio: 14.59

■Portfolio management of 5 EAs (backtest & simulation)

  Backtest results for the last 10 years (note):

  Average annual return (simple interest) 41.9% (maximum drawdown: 5.6%)

  *Conducted under conditions more stringent than the actual market environment.

■Sirius Investment Policy

【Currency Types /Strategy】   5 currencies/3 strategies（USD/JPY・GBP/JPY・EUR/JPY・GBP/USD・EUR/USD）

① In order to hedge against the impact of "external factors (such as unforeseen events)," an EA (Expert Advisor, an automatic trading system) that employs a logic less susceptible to external influences, specifically the "Breakout Strategy - Scalping Trade type," is placed at the core of the operational strategy. Concurrently, with the aim of achieving high performance through an aggressive expansion of the profit range, a certain ratio is allocated to the EA that uses the "Anomaly Strategy - Day Trade type" (a logic that is sensitive to external factors but can secure a larger price range for high performance). The allocation ratio is set dynamically.

② For the stabilization of performance, the "Breakout Strategy - Scalping Trade type" EA ensures a steady accumulation of profits, while on top of that, the "Anomaly Strategy - Day Trade type" EA aggressively targets returns with a significant profit range.

【Detailed Description】

In "Market Timing Strategies" (Breakout and Anomaly strategies), to hedge against "external environmental impacts" (unforeseen events), the strategy primarily involves accumulating profits in the short term through "scalping trade type" transactions, which capitalize on price distortions formed by "overshooting" due to short-term sentiment. However, in the case of scalping trades, the profit margin per trade is small and the trading cost increases with the number of trades. To address this, the strategy aims to extend the holding period of positions slightly to reduce transaction costs. It employs the "Anomaly strategy - Day trade type" logic, which seeks to capture larger profit margins from the distortions in price caused by multiple anomalies, allocated in a dynamic ratio. This approach is intended to counteract the weaknesses of both styles through a hedging effect, enabling a high-performance operation that targets both stable profit acquisition and the aggressive capture of larger profit margins.

Details of the EA (Automated Trading System) used for Sirius PAMM

Details	PAMM No.1's Adopted EA					PAMM①
EA Type	EA1	EA2	EA3	EA4	EA5	Concurrent operation of the aforementioned EA
Trading Currency	USDJPY	GBPJPY	EURJPY	GBPUSD	EURUSD	
Trading Style	Day Trading			Scalping Trade		
Trading Logic	Logic based on anomalies of each currency			Breakout Logic		
Initial Margin	10,000	10,000	10,000	10,000	10,000	10,000
Trading Lot Size (Lot)	0.05	0.05	0.05	0.25	0.25	Aforementioned lot size for each EA
Number of Trades	2,191	1,555	1,752	4,220	5,348	15,066
Profit Factor	2.03	1.77	1.73	1.47	1.64	1.65
Recovery Factor	46.5	34.5	27.8	33.2	38.9	78.2
Annual Average Yield (as a percentage of initial margin)	6.3%	6.8%	5.8%	9.8%	13.2%	41.9%
Maximum Drawdown (as a percentage of initial margin)	1.4%	2.1%	2.2%	3.1%	3.6%	5.6%
Sharpe Ratio (per trade)	0.23	0.2	0.2	0.12	0.17	0.17
Expected Value (per trade)	3.04	4.56	3.48	2.44	2.59	2.92
Standard Deviation (per trade)	13.3	22.4	17.84	19.54	15.54	17.56

Details of the EA (Automated Trading System) used for Sirius PAMM – Backtesting

(Unit: Dollars)

Year	PF	PL	Profit	Loss	Maximum Drawdown	Number of Wins	Number of Losses	Winning Percentage
2013	2.03	6,707	13,175	-6,468	201	1,176	288	80.3%
2014	1.45	2,799	8,946	-6,147	387	1,009	315	76.2%
2015	2.03	6,447	12,700	-6,253	185	1,163	287	80.2%
2016	2.02	6,930	13,719	-6,789	165	1,222	309	79.8%
2017	1.58	3,767	10,156	-6,388	279	1,062	297	78.1%
2018	1.51	3,229	9,464	-6,235	192	1,126	300	79.0%
2019	1.26	1,579	7,479	-5,899	563	993	297	77.0%
2020	1.51	3,543	10,421	-6,878	324	1,191	334	78.1%
2021	1.45	2,524	8,091	-5,567	234	1,103	264	80.7%
2022	1.66	4,681	11,727	-7,045	237	1,166	308	79.1%
2023	1.44	1,794	5,781	-3,987	227	664	188	77.9%
Ave	1.63	4,000	10,151	-6,151	272	1,080	290	78.8%
TTL	-	44,000	111,659	-67,657	-	11,875	3,187	-

Profit Factor: The ratio of total profit to total loss (total profit/total loss). As a general rule of thumb, the ideal average value converges around 1.25 (assuming a minimum of about 1,000 trades). With each trade count, it's essential to know the upper limit of the true profit factor value that can be "1", and if an EA does not yield a value above that, it will not be successful. This equates to a 95% confidence level.

Recovery Factor: An indicator sometimes referred to as the "risk-return ratio," which shows the potential profit outlook of an EA in terms of "how much profit (return) can be expected against a loss (risk)" (total profit / maximum drawdown). A common benchmark is that the "factor number/duration" should be at least acceptable: 5.0 or more/duration = 0.5 or more, and passable: 10.0 or more/duration = 1.0 or more.

Luxstella LLC - Luxstella Bright Star Strategy (Product Overview)

<Backtesting Conditions>

・Backtesting Tool	： Tick Date Suite
・Historical Data for Backtesting	： DucasCopy
・Backtesting Period	： January 1, 2013 – July 28, 2023 (10 years and 7 months)
・Initial Margin (USD)	： 10,000
・Trading Lot	： EA1・EA2・EA3（0.05Lot）、EA4・EA5（0.5Lot）
・Spread (Variable within specified range)	： EA1・EA2（20）、EA3（30）、EA4（5〜15*）、EA5（10〜20*）
・Slippage	： EA1・EA2・EA3（10）、EA4・EA5（5）
・Trading Commission & Swap	： None
・Leverage	： 200 times

*Spreads used were created within a specified range linked to historical performance spreads.

<Backtesting Results>

・ Number of Trades	： 15,066	Annual average: $4,190 (average annual return of 42%)	・ Profit Factor	： 1.65
・ Total Profit/Loss	： 44,002		・ Recovery Factor	： 78.2
・ Total Pips Gained	： 56,623		・ Maximum Drawdown	： 563 5.6% of initial margin
・ Win Rate	： 79%		・ Average Pips Gained on Winning	： 11.83
・ Average Profit	： 9.40		・ Average Pips Gained on Losing T	： 26.33
・ Average Loss	： 21.23		・ Maximum Holding Time	： 12 days 4 hours
・ Maximum Consecutive Wins	： 32		・ Average Holding Time	： 4 hours
・ Maximum Consecutive Losses	： 8		・ Sharpe Ratio (per trade)	： 0.17
・ Number of 5% Drawdowns	： 5		・ Standard Deviation (per trade)	： 17.56
・ Average Recovery Period for 5% Drawdown	： 62 days		・ Expected Value (per trade)	： 2.92
・ Maximum Recovery Period for 5% Drawdown	： 88 days		・ Maximum Held Positions	： 9
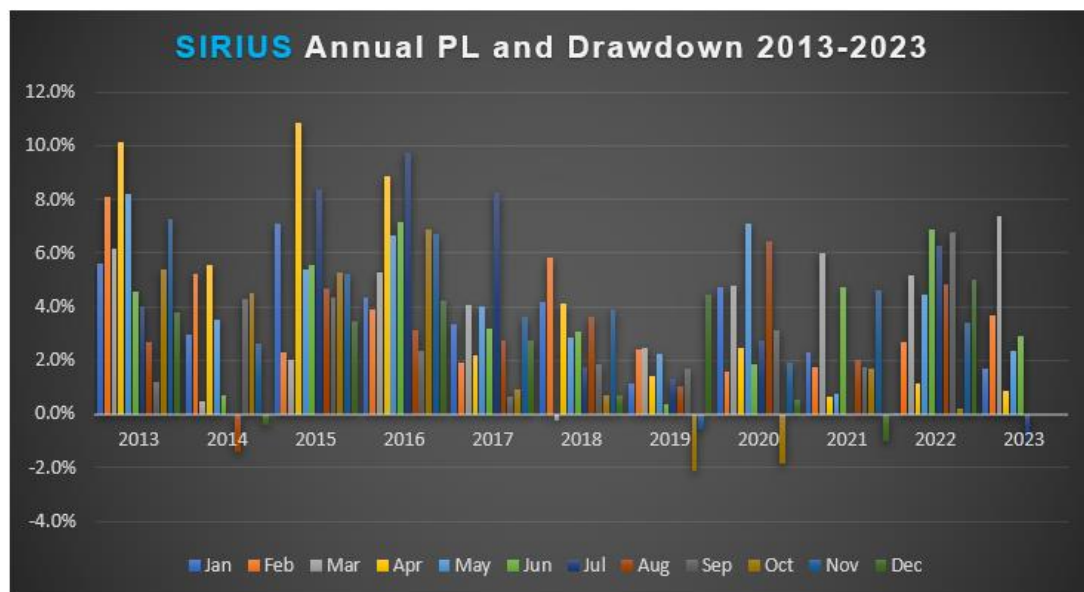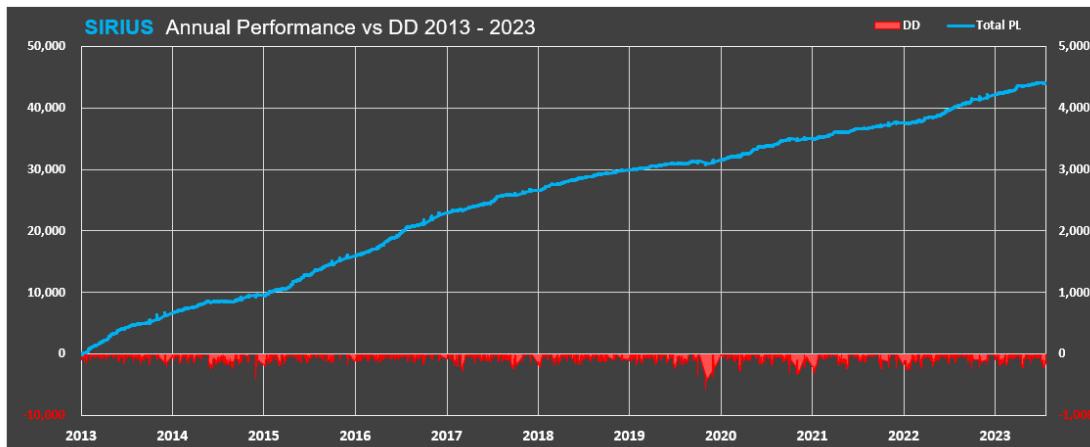
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**<Backtesting Results (Profit and Loss Progression & Monthly Performance)>**

SIRIUS Annual Performance 2013-2023 (Unit: Dollars)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TTL
2013	560	811	617	1,012	818	457	403	267	119	541	725	377	6,707
2014	294	520	48	553	353	71	6	-142	426	448	264	-43	2,799
2015	708	227	201	1,084	536	554	835	467	434	529	524	348	6,447
2016	433	392	527	885	667	717	975	314	237	689	672	421	6,930
2017	333	194	408	219	400	318	828	274	66	91	361	275	3,767
2018	419	583	-25	410	285	305	176	362	185	72	390	68	3,229
2019	113	239	245	143	222	37	130	105	170	-214	-54	445	1,579
2020	470	158	479	244	711	187	274	642	314	-186	193	55	3,543
2021	232	175	598	63	77	475	6	201	174	166	461	-104	2,524
2022	2	266	518	116	444	688	629	485	676	23	338	498	4,681
2023	172	366	736	89	237	292	-97	0	0	0	0	0	1,794
TTL	3,735	3,931	4,352	4,817	4,750	4,102	4,165	2,975	2,802	2,160	3,873	2,341	44,002

SIRIUS Annual Performance 2013-2023 (Initial investment : 10,000USD)

| Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TTL
2013	5.6%	8.1%	6.2%	10.1%	8.2%	4.6%	4.0%	2.7%	1.2%	5.4%	7.2%	3.8%	67.1%
2014	2.9%	5.2%	0.5%	5.5%	3.5%	0.7%	0.1%	-1.4%	4.3%	4.5%	2.6%	-0.4%	28.0%
2015	7.1%	2.3%	2.0%	10.8%	5.4%	5.5%	8.4%	4.7%	4.3%	5.3%	5.2%	3.5%	64.5%
2016	4.3%	3.9%	5.3%	8.8%	6.7%	7.2%	9.8%	3.1%	2.4%	6.9%	6.7%	4.2%	69.3%
2017	3.3%	1.9%	4.1%	2.2%	4.0%	3.2%	8.3%	2.7%	0.7%	0.9%	3.6%	2.7%	37.7%
2018	4.2%	5.8%	-0.3%	4.1%	2.8%	3.1%	1.8%	3.6%	1.9%	0.7%	3.9%	0.7%	32.3%
2019	1.1%	2.4%	2.4%	1.4%	2.2%	0.4%	1.3%	1.0%	1.7%	-2.1%	-0.5%	4.4%	15.8%
2020	4.7%	1.6%	4.8%	2.4%	7.1%	1.9%	2.7%	6.4%	3.1%	-1.9%	1.9%	0.6%	35.4%
2021	2.3%	1.7%	6.0%	0.6%	0.8%	4.8%	0.1%	2.0%	1.7%	1.7%	4.6%	-1.0%	25.2%
2022	0.0%	2.7%	5.2%	1.2%	4.4%	6.9%	6.3%	4.9%	6.8%	0.2%	3.4%	5.0%	46.8%
2023	1.7%	3.7%	7.4%	0.9%	2.4%	2.9%	-1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.9%
TTL	37.4%	39.3%	43.5%	48.2%	47.5%	41.0%	41.6%	29.7%	28.0%	21.6%	38.7%	23.4%	440.0%

Luxstella LLC - Luxstella Bright Star Strategy (Product Overview)
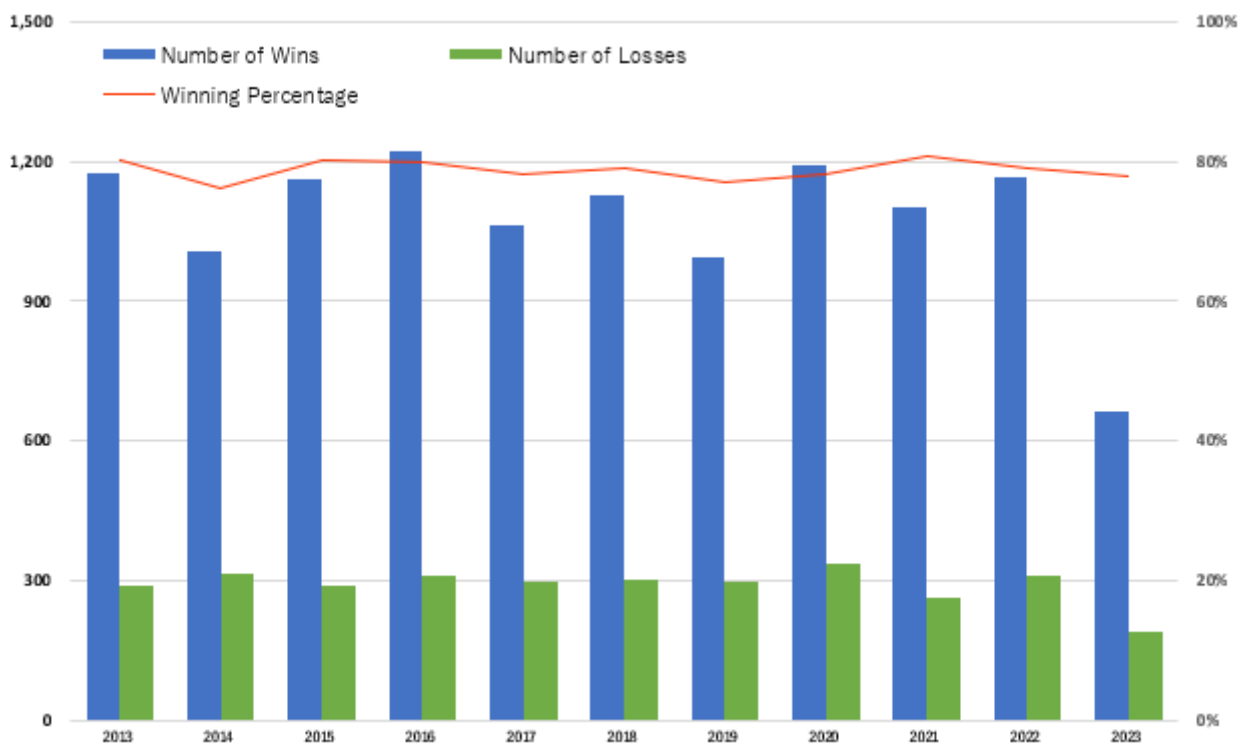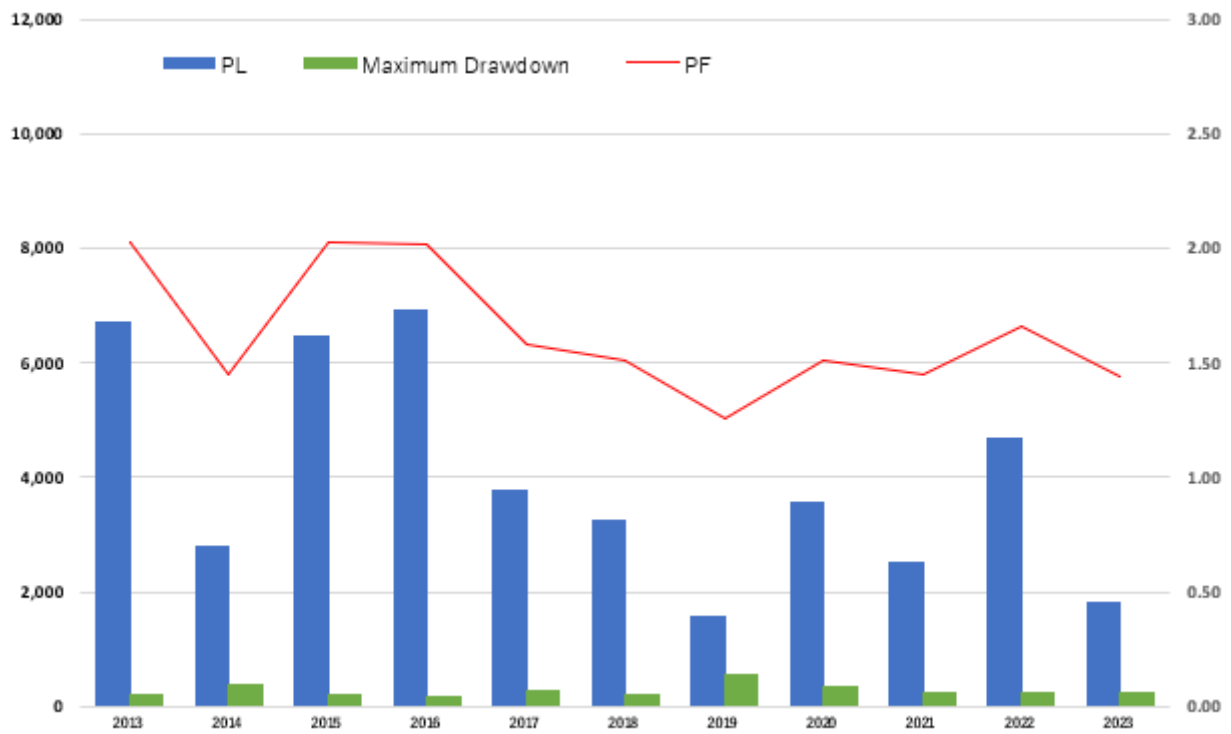
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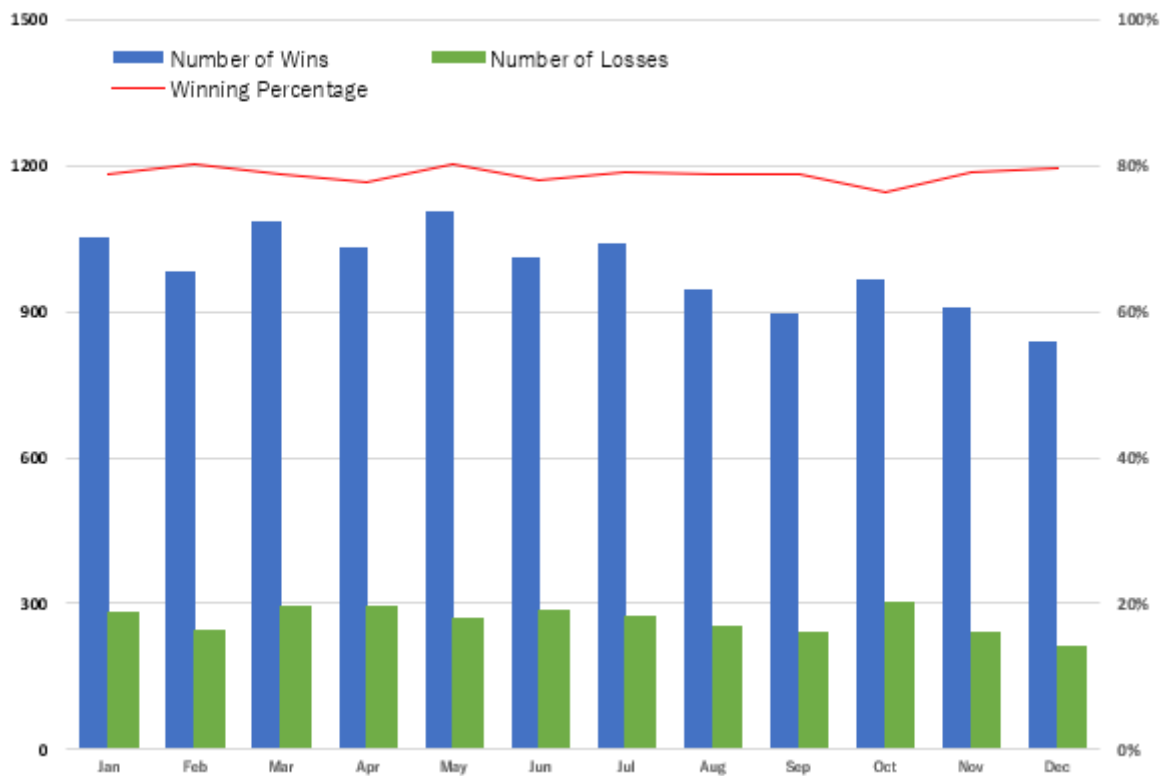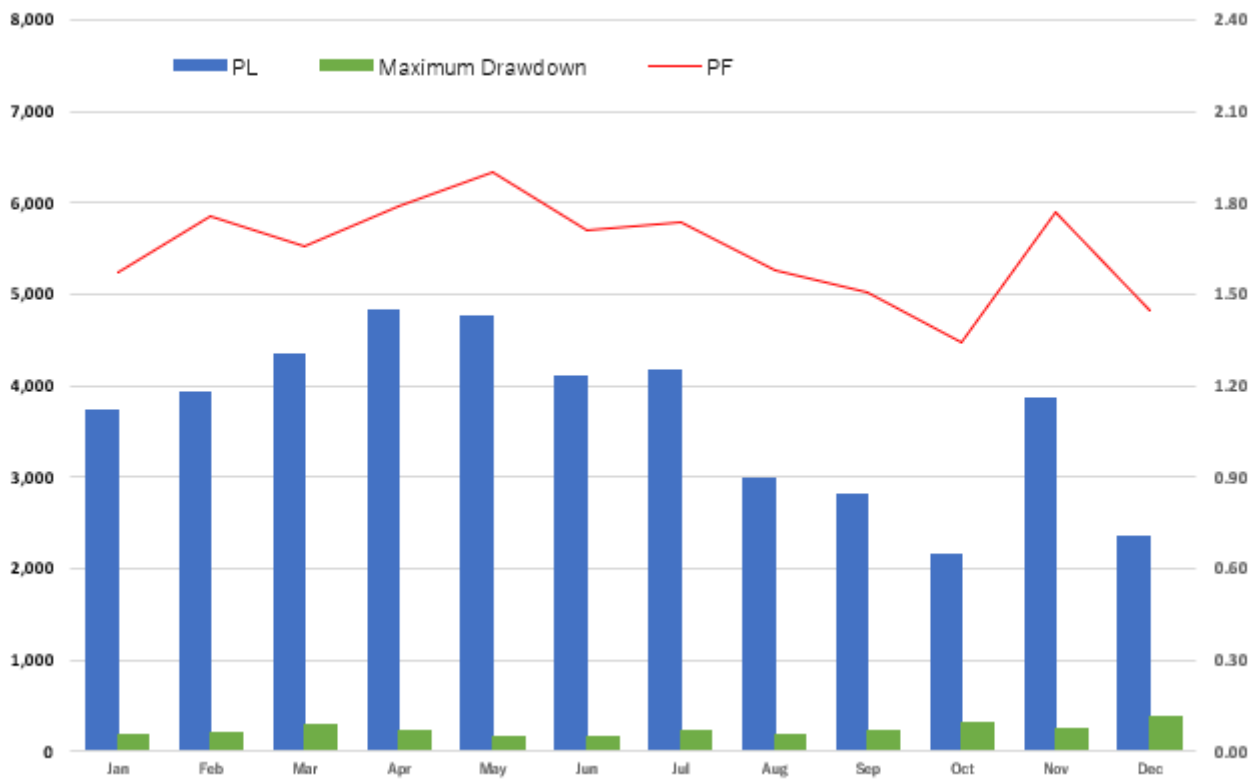
(Unit: Dollars)

Month	PF	PL	Profit	Loss	Maximum Drawdown	Number of Wins	Number of Losses	Winning Percentage
Jan	1.57	3,735	10,176	-6,441	185	1053	282	78.9%
Feb	1.76	3,931	9,079	-5,148	201	983	243	80.2%
Mar	1.66	4,352	10,894	-6,542	285	1088	293	78.8%
Apr	1.79	4,817	10,876	-6,058	227	1034	294	77.9%
May	1.90	4,750	9,982	-5,232	167	1107	270	80.4%
Jun	1.71	4,102	9,866	-5,764	168	1011	284	78.1%
Jul	1.74	4,165	9,746	-5,581	220	1043	273	79.3%
Aug	1.58	2,975	8,095	-5,120	178	948	254	78.9%
Sep	1.51	2,802	8,211	-5,410	232	896	241	78.8%
Oct	1.34	2,160	8,437	-6,277	323	966	300	76.3%
Nov	1.77	3,872	8,837	-4,965	246	908	240	79.1%
Dec	1.45	2,341	7,460	-5,119	387	838	213	79.7%
Ave	1.65	3,667	9,305	-5,638	235	990	266	78.9%
TTL	-	44,000	111,659	-67,657	-	11,875	3,187	-

SIRIUS Monthly PL 2013-2023
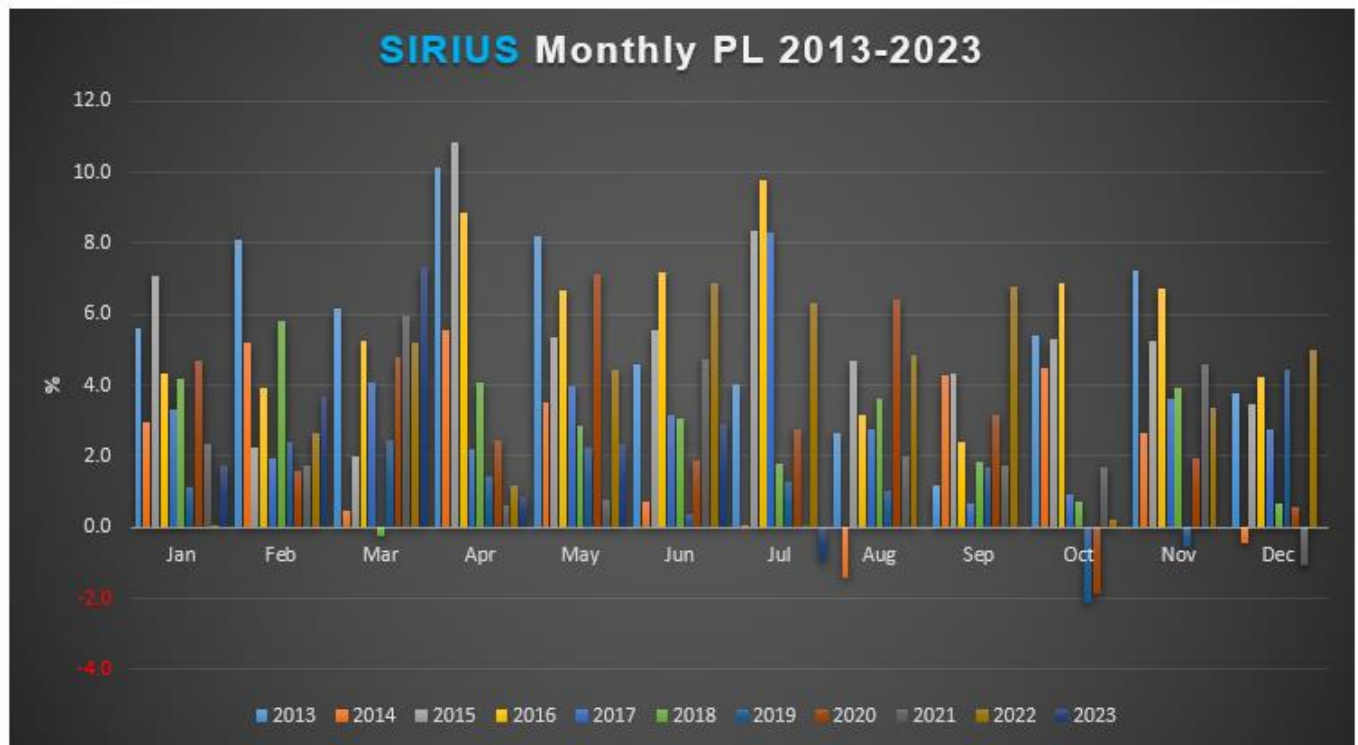
2. Vega (Focus on Stability - Medium-High Return, Low-Medium Risk)

Key Points of Vega (PAMM・EA System):

■Currency/Strategy: 3 currencies/3 strategies (USD/JPY, GBP/JPY, EUR/JPY)

■Expected return rate: 25%–40%

■Expected maximum drawdown range: 3%–15%

■Overall Sharpe ratio: 12.20

■ Portfolio management with 5 EA (backtesting and simulation)

    Results from the last 10 years of backtesting:

    Average annual return (simple interest) 32.0% (Maximum drawdown: 4.3%)

    *Conducted under conditions more stringent than actual market environments.

■ **Vega Investment Policy**

【**Currency Types/Strategy**】 3 currencies/3 strategies (USD/JPY, GBP/JPY, EUR/JPY)

①The primary operation is based on the EA (Expert Advisor, automated trading system) that uses the "Anomaly Strategy-Day Trading Type," known for high performance. As a hedge allocation, the strategy also includes a balanced setup of 2. "Breakout Strategy-Scalping Trade Type" and 3. "Breakout-Swing Trade Type."

②To stabilize the operational performance, the returns and risks of the EAs (Expert Advisors, automated trading systems) being managed are intentionally diversified. As a hedge allocation, strategies with low correlation in entry and exit timing for trades are set up in the EA (Expert Advisor, automated trading system).

【**Detailed Description**】

Aiming for the expansion of earned profits, the system incorporates EAs (automated trading systems) designed with logic from 1. "Anomaly Strategy - Day Trade Type" (susceptible to external environment effects but offering a large price gain range and high performance), and 3. "Breakout Strategy - Swing Trade Type" (logic that yields larger profit margins). Additionally, for hedging purposes, it includes an EA (automated trading system) designed with logic from 2. "Breakout Strategy - Scalping Type" (logic less affected by the external environment). These strategies are set with a balanced allocation.

As a result, by deliberately diversifying "returns" and "risks," profits and losses from each EA (automated trading system) strategy can offset each other. However, significant profits can accumulate through trades with large price gains generated by the logic of 1. "Anomaly Strategy - Day Trade Type" and 3. "Breakout Strategy - Swing Trade Type." This allows for a strategy that secures stable, small profits while also focusing on trades that can yield large profits in a single transaction.

2.Details of the EA (Automated Trading System) used in Vega PAMM.

Details	PAMM No.2's Adopted EA						PAMM②
EA Type	EA1	EA2	EA3	EA6	EA7		PAMM②
Trading Currency	USDJPY	GBPJPY	EURJPY	USDJPY	GBPJPY		Concurrent operation of
Trading Style	Day Trading			Scalping Trade	Swing Trade		the aforementioned EA
Trading Logic	Logic based on anomalies of each currency			Breakout Logic			
Initial Margin	10,000	10,000	10,000	10,000	10,000		10,000
Trading Lot Size (Lot)	0.07	0.05	0.05	0.15	0.01		Aforementioned lot size for each EA
Number of Trades	2,191	1,555	1,752	2,587	740		8,825
Profit Factor	2.03	1.77	1.73	1.72	1.64		1.78
Recovery Factor	46.5	34.5	27.8	24.5	8.9		78.9
Annual Average Yield (as a percentage of initial margin)	6.3%	6.8%	5.8%	8.8%	2.0%		32.0%
Maximum Drawdown (as a percentage of initial margin)	1.4%	2.1%	2.2%	3.8%	2.4%		4.3%
Sharpe Ratio (per trade)	0.23	0.2	0.2	0.21	0.18		0.2
Expected Value (per trade)	3.04	4.56	3.48	3.59	2.84		3.82
Standard Deviation (per trade)	13.3	22.4	17.84	16.89	15.8		19.05

2.Details of the EA (Automated Trading System) used in Vega PAMM - Backtesting

(Unit: Dollars)

Year	PF	PL	Profit	Loss	Maximum Drawdown	Number of Wins	Number of Losses	Winning Percentage
2013	2.11	5,075	9,610	-4,534	256	542	315	63.2%
2014	1.67	2,513	6,257	-3,744	344	450	338	57.1%
2015	2.00	4,192	8,357	-4,164	426	534	339	61.2%
2016	1.93	4,312	8,925	-4,612	293	513	344	59.9%
2017	1.76	2,886	6,673	-3,787	178	509	323	61.2%
2018	1.44	1,843	5,960	-4,117	244	482	317	60.3%
2019	1.55	2,099	5,895	-3,796	324	489	340	59.0%
2020	1.51	2,204	6,501	-4,297	383	453	359	55.8%
2021	1.74	2,508	5,866	-3,358	291	500	299	62.6%
2022	2.14	5,011	9,384	-4,373	244	557	320	63.5%
2023	1.36	961	3,619	-2,659	271	266	216	55.2%
Ave	1.75	3,055	7,004	-3,949	296	481	319	59.9%
TTL	-	33,603	77,047	-43,441	-	5,295	3,510	-

Profit Factor: The ratio of total profits to total losses (total profit / total loss). As a general rule of thumb, the ideal average value is said to converge around 1.25, given a baseline of approximately 1,000 trades. It is essential to be aware of the upper limit value that the true profit factor can assume for each count of trades. If the value for an EA does not exceed this threshold, it is considered unlikely to be profitable. This is with a 95% confidence level.

Recovery Factor: Sometimes referred to as the risk-return rate, this metric indicates the potential profit outlook of an EA (Expert Advisor) by showing the extent of profit (return) that can be expected against a loss (risk). It is calculated by dividing total profit by the maximum drawdown (total profit / maximum drawdown). A general benchmark considers a recovery factor above 5.0 as passable and above 10.0 as satisfactory.

<Backtesting Conditions>

· Backtesting Tool	:	Tick Date Suite	
· Historical Data for Backtesting	:	DucasCopy	
· Backtesting Period	:	January 1, 2013 – July 28, 2023 (10 years and 7 months)	
· Initial Margin (USD)	:	10,000	
· Trading Lot	:	EA1 (0.07Lot)、EA2・EA3 (0.05Lot)、EA6 (0.15Lot) EA7 (0.01Lot)	
· Spread (Variable within specified rang	:	EA1・EA2 (20)、EA3 (30)、EA6 (5〜20*)、EA5 (50)	
· Slippage	:	EA1・EA2・EA3 (10)、EA6・EA7 (4)	
· Trading Commission & Swap	:	None	
· Leverage	:	200 times	

*Spreads used were created within a specified range linked to historical performance spreads.

<Backtesting Results>

· Number of Trades	:	8,825	· Profit Factor	:	1.77
· Total Profit/Loss	:	33,605	· Recovery Factor	:	78.9
· Total Pips Gained	:	85,718	· Maximum Drawdown	:	426
· Win Rate	:	60%	· Average Pips Gained on Winning	:	39.29
· Average Profit	:	14.55	· Average Pips Gained on Losing T	:	34.86
· Average Loss	:	12.38	· Maximum Holding Time	:	44 days
· Maximum Consecutive Wins	:	24	· Average Holding Time	:	17 hours 56 minutes
· Maximum Consecutive Losses	:	15	· Sharpe Ratio (per trade)	:	0.20
· Number of 5% Drawdowns	:	0	· Standard Deviation (per trade)	:	19.05
· Average Recovery Period for 5% Drawdown	:	-	· Expected Value (per trade)	:	3.82
· Maximum Recovery Period for 5% Drawdown	:	-	· Maximum Held Positions	:	11
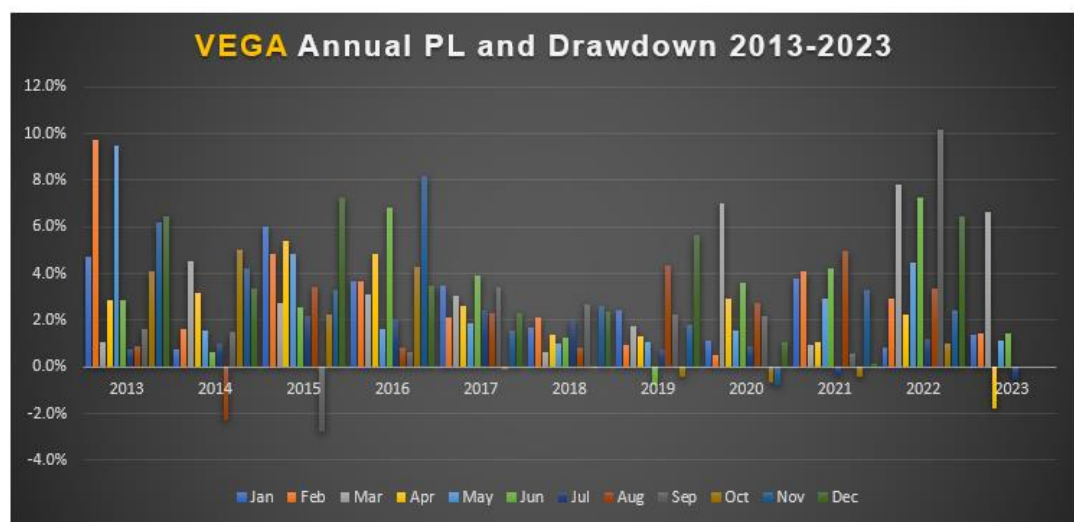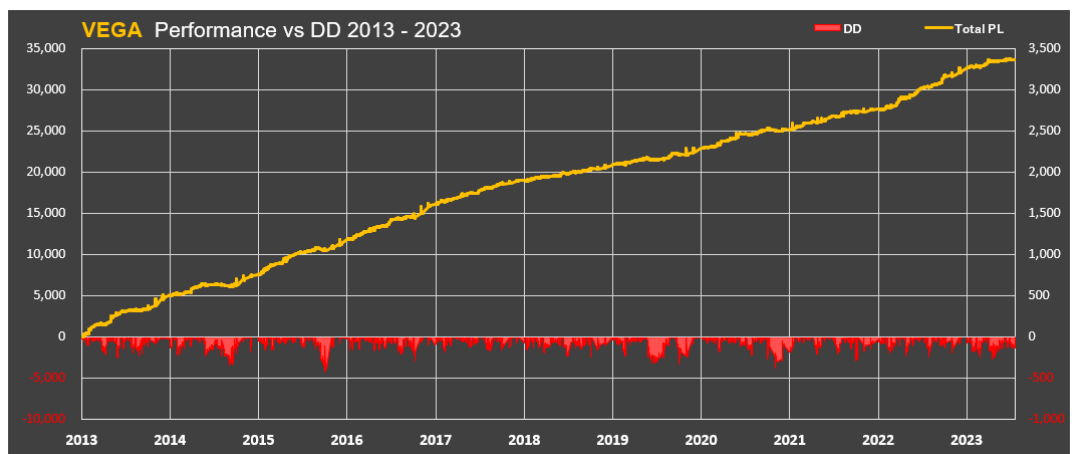
Annual average: $3,2000 (average annual return of 32%)

4.3% of initial margin

## <Backtesting Results (Profit and Loss Progression & Monthly Performance)>

VEGA Performance 2013-2023 (Unit: Dollars)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TTL
2013	473	973	109	287	948	287	74	88	161	412	617	647	5,075
2014	74	164	455	315	156	65	103	-226	149	505	420	336	2,513
2015	603	486	276	536	484	252	216	343	-275	222	328	722	4,193
2016	365	367	308	484	165	681	208	80	65	426	815	349	4,312
2017	345	213	302	259	186	390	242	230	342	-9	158	227	2,886
2018	167	212	61	137	98	123	202	84	265	-1	262	235	1,843
2019	240	91	176	131	104	-77	78	434	223	-43	180	563	2,099
2020	114	48	703	295	158	357	86	271	218	-70	-81	105	2,204
2021	380	407	93	106	290	420	-37	495	55	-39	328	11	2,508
2022	82	294	781	223	445	725	121	337	1,015	102	245	643	5,011
2023	134	142	664	-178	113	142	-56	0	0	0	0	0	961
TTL	2,976	3,396	3,927	2,596	3,147	3,364	1,236	2,134	2,216	1,505	3,272	3,837	33,606

VEGA Performance 2013-2023 — Initial investment : 10,000USD

| Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TTL
2013	4.7%	9.7%	1.1%	2.9%	9.5%	2.9%	0.7%	0.9%	1.6%	4.1%	6.2%	6.5%	50.8%
2014	0.7%	1.6%	4.6%	3.1%	1.6%	0.6%	1.0%	-2.3%	1.5%	5.0%	4.2%	3.4%	25.1%
2015	6.0%	4.9%	2.8%	5.4%	4.8%	2.5%	2.2%	3.4%	-2.8%	2.2%	3.3%	7.2%	41.9%
2016	3.7%	3.7%	3.1%	4.8%	1.7%	6.8%	2.1%	0.8%	0.7%	4.3%	8.2%	3.5%	43.1%
2017	3.4%	2.1%	3.0%	2.6%	1.9%	3.9%	2.4%	2.3%	3.4%	-0.1%	1.6%	2.3%	28.9%
2018	1.7%	2.1%	0.6%	1.4%	1.0%	1.2%	2.0%	0.8%	2.6%	0.0%	2.6%	2.3%	18.4%
2019	2.4%	0.9%	1.8%	1.3%	1.0%	-0.8%	0.8%	4.3%	2.2%	-0.4%	1.8%	5.6%	21.0%
2020	1.1%	0.5%	7.0%	2.9%	1.6%	3.6%	0.9%	2.7%	2.2%	-0.7%	-0.8%	1.0%	22.0%
2021	3.8%	4.1%	0.9%	1.1%	2.9%	4.2%	-0.4%	4.9%	0.5%	-0.4%	3.3%	0.1%	25.1%
2022	0.8%	2.9%	7.8%	2.2%	4.4%	7.2%	1.2%	3.4%	10.2%	1.0%	2.5%	6.4%	50.1%
2023	1.3%	1.4%	6.6%	-1.8%	1.1%	1.4%	-0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	9.6%
TTL	29.8%	34.0%	39.3%	26.0%	31.5%	33.6%	12.4%	21.3%	22.2%	15.1%	32.7%	38.4%	336.1%

Luxstella LLC - Luxstella Bright Star Strategy (Product Overview)
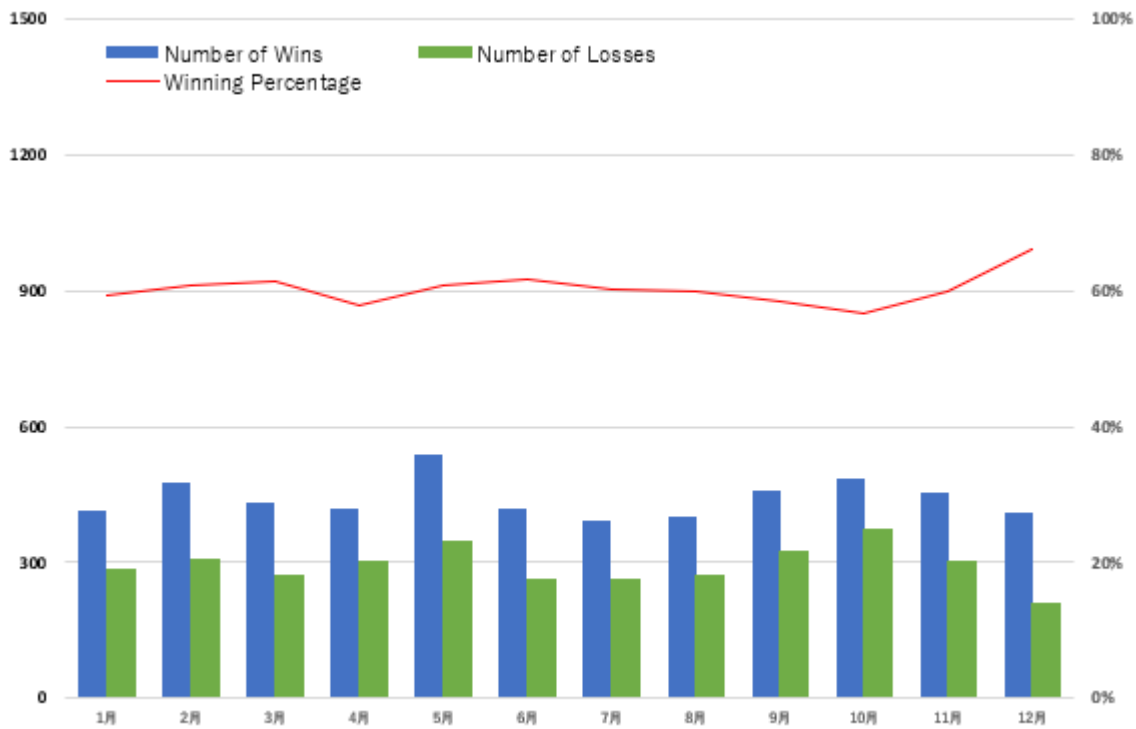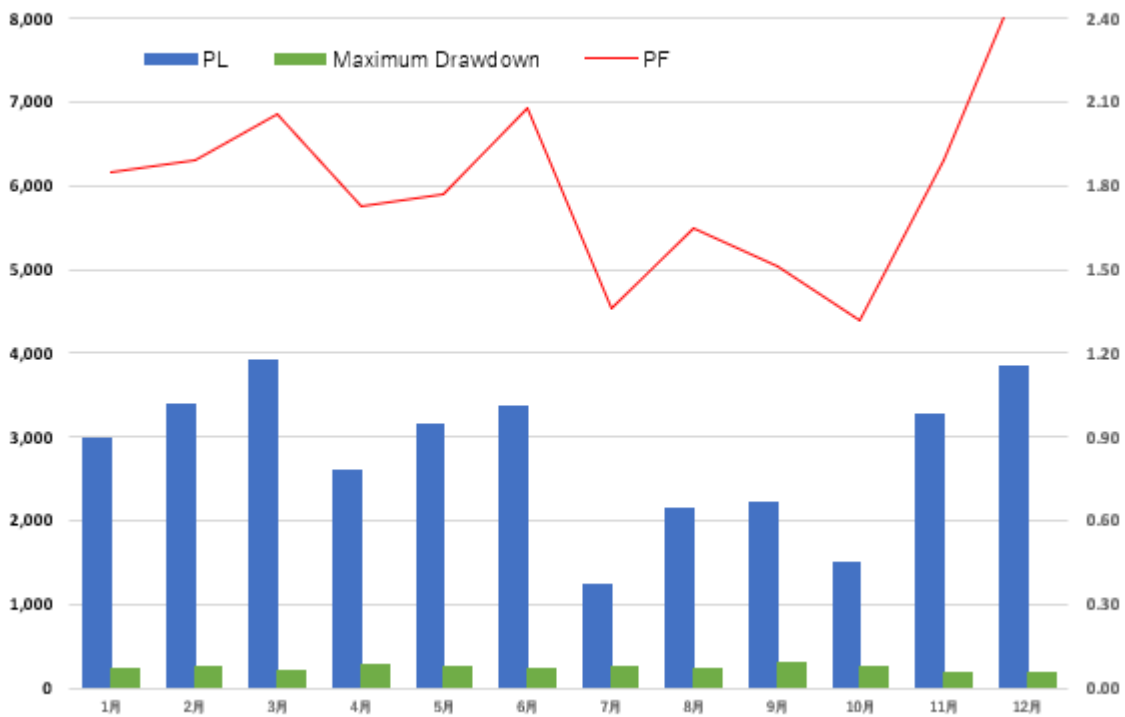
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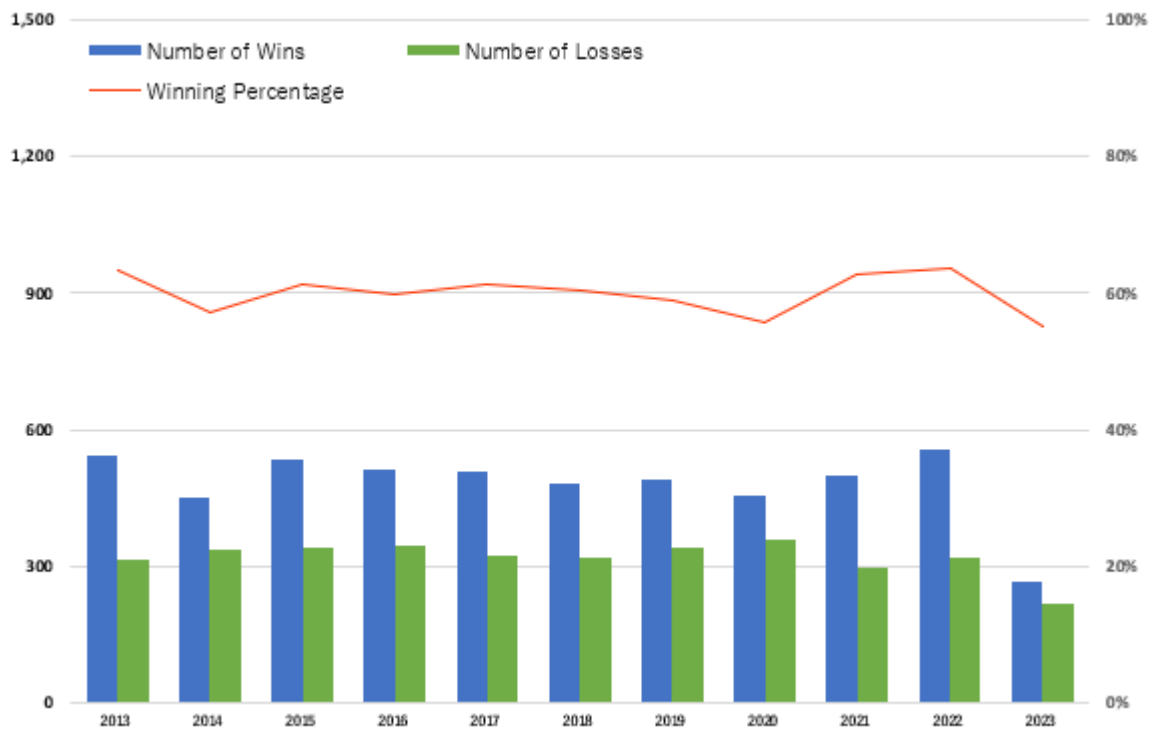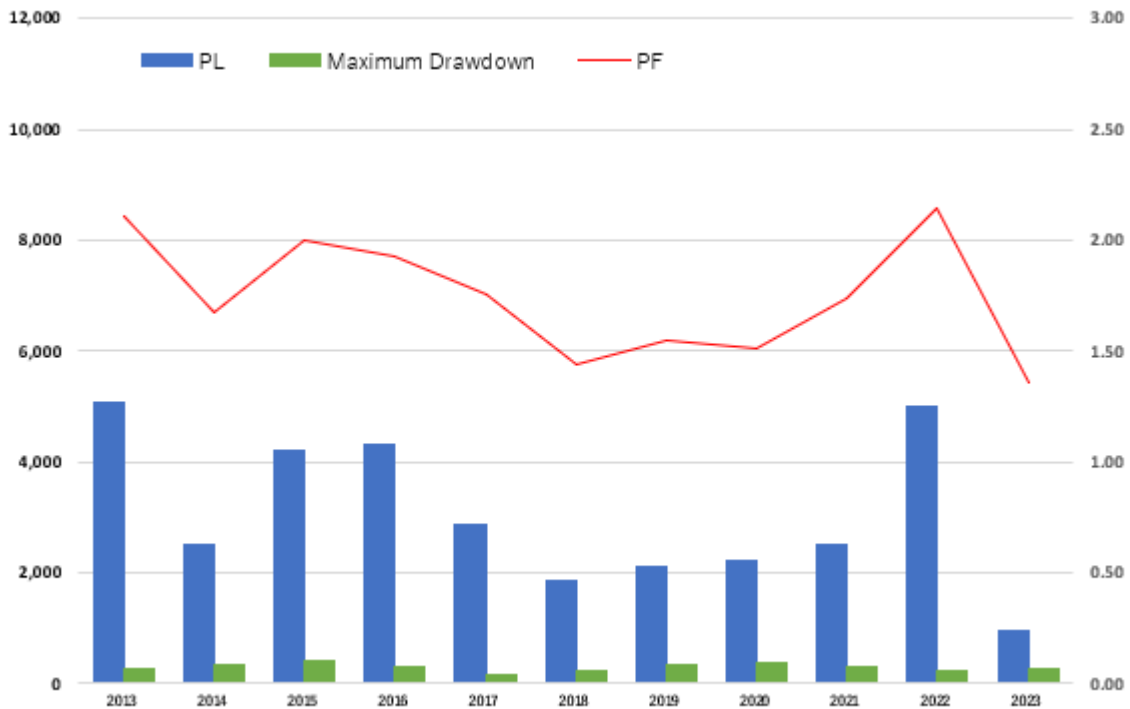
(Unit: Dollars)

Month	PF	PL	Profit	Loss	Maximum Drawdown	Number of Wins	Number of Losses	Winning Percentage
Jan	1.85	2,976	6,467	-3,491	224	414	285	59.2%
Feb	1.89	3,396	7,194	-3,798	248	475	306	60.8%
Mar	2.06	3,927	7,630	-3,702	195	431	270	61.5%
Apr	1.73	2,596	6,138	-3,542	271	417	302	58.0%
May	1.77	3,146	7,213	-4,066	256	537	346	60.8%
Jun	2.08	3,364	6,475	-3,111	235	420	262	61.6%
Jul	1.36	1,235	4,649	-3,413	244	393	261	60.1%
Aug	1.65	2,134	5,396	-3,262	232	402	270	59.8%
Sep	1.51	2,216	6,542	-4,326	298	458	325	58.5%
Oct	1.32	1,505	6,207	-4,701	244	487	371	56.8%
Nov	1.89	3,272	6,928	-3,655	182	453	302	60.0%
Dec	2.61	3,836	6,209	-2,372	183	408	210	66.0%
Ave	1.81	2,800	6,421	-3,620	234	441	293	60.3%
TTL	-	33,603	77,047	-43,441	-	5,295	3,510	-
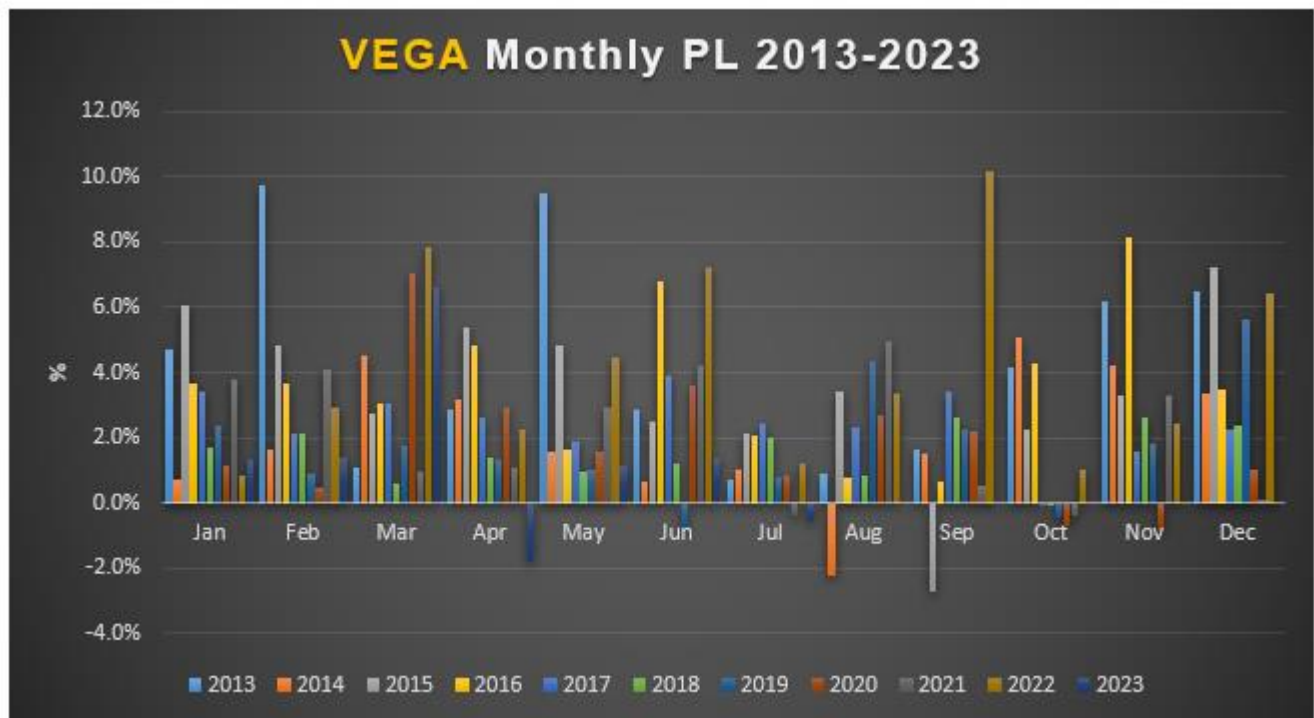
３. Betelgeuse (Balanced Type - Medium Return, Low Risk)

Key Points of Betelgeuse (PAMM & EA System):

■Currency Pairs/Strategy: 2 currencies/3 Strategies (USD/JPY & GBP/JPY)

■Expected Rate of Return: 15%–30%

■Expected Maximum Drawdown Range: 1%–10%

■Overall Sharpe Ratio: 5.98

■ Portfolio management of 5 EAs (backtesting & simulation)

   Results of backtesting over the past 10 years (*):

   Average annual return (simple interest) 23.2% (maximum drawdown: 4%)

   *Conducted under more stringent conditions than actual market environments

■ **Betelgeuse Investment Policy**

【**Currency Pairs/Strategy**】 2 currencies/3 Strategies (USD/JPY & GBP/JPY)

①A balanced diversification of all strategies ensures "risk hedging," while operations accumulate profits from trades with large gains generated by the "Day Trade Type" and "Swing Trade Type" logic in the EA (automated trading system).

②A balanced operation of all strategy EAs (automated trading systems) in "Market Timing" and "Algorithmic Trade." (Only for the swing type EA, leverage (lot size) is significantly reduced to bring its risk level in line with the other EAs due to its inherently higher risk.)

【**Detailed Description**】

The strategy employs a balanced diversification of all strategies: 1. "Anomaly Strategy - Day Trade Type," 2. "Breakout Strategy - Scalping Trade Type," 3. "Breakout Strategy - Swing Trade Type," and 4. "Trend-Following Strategy - Day Trade Type." This is a risk reduction approach that leverages the low correlation between strategies for a "Strategy Diversification Effect." For the swing-type EA, which involves greater risk, leverage (lot size) is reduced to align its risk with that of the other EAs.

Due to the low correlation between strategies, both "return" and "risk" are diversified, allowing for offsetting profits and losses between each EA's (automated trading system) strategy. However, significant profits can still accumulate through trades with large price gains generated by the logic of 1. "Anomaly Strategy - Day Trade Type," 2. "Trend-Following Strategy - Day Trade Type," and 4. "Breakout Strategy - Swing Type." As a result, while the 3. "Breakout Strategy - Scalping Type" contributes to the accumulation of stable, small profits, the operation also emphasizes trades that can yield large profits in a single transaction.

3. Betelgeuse: Details of the EA (Automated Trading System) Used for PAMM

Details	PAMM No.3's Adopted EA				PAMM③
EA Type	EA1	EA6	EA7	EA8	Concurrent operation of the aforementioned EA
Trading Currency	USDJPY	USDJPY	GBPJPY	USDJPY	
Trading Style	Day Trading	Scalping Trade	Swing Trade	Day Trading	
Trading Logic	Anomaly	Breakout Logic		Trend Following	
Initial Margin	10,000	10,000	10,000	10,000	10,000
Trading Lot Size (Lot)	0.1	0.1	0.01	0.1	Aforementioned lot size for each EA
Number of Trades	2,105	2,587	740	1,281	6,713
Profit Factor	2.16	1.65	1.64	1.45	1.78
Recovery Factor	45.0	21.5	8.9	9.4	60.8
Annual Average Yield (as a percentage of initial margin)	12.5%	5.4%	2.0%	3.3%	23.2%
Maximum Drawdown (as a percentage of initial margin)	2.9%	2.7%	2.4%	3.7%	4.0%
Sharpe Ratio (per trade)	0.24	0.2	0.18	0.14	0.19
Expected Value (per trade)	6.22	2.22	2.84	2.69	3.63
Standard Deviation (per trade)	25.46	11.28	15.8	19.58	18.91

(Unit: Dollars)

Year	PF	PL	Profit	Loss	Maximum Drawdown	Number of Wins	Number of Losses	Winning Percentage
2013	2.63	5,256	8,478	-3,221	290	456	218	67.7%
2014	1.77	1,982	4,533	-2,551	149	348	232	60.0%
2015	1.65	2,067	5,205	-3,138	400	427	268	61.4%
2016	1.85	3,088	6,687	-3,599	259	406	237	63.1%
2017	1.74	2,076	4,857	-2,781	196	377	243	60.8%
2018	1.43	1,225	4,063	-2,838	206	346	245	58.5%
2019	1.75	1,674	3,897	-2,222	238	374	243	60.6%
2020	1.40	1,202	4,154	-2,951	392	325	254	56.1%
2021	1.79	1,777	4,027	-2,250	235	395	248	61.4%
2022	2.42	4,170	7,087	-2,917	190	443	231	65.7%
2023	0.92	-189	2,437	-2,626	400	197	179	52.4%
Ave	1.76	2,212	5,039	-2,827	269	372	236	60.7%
TTL	-	24,327	55,425	-31,095	-	4,094	2,598	-

Profit Factor: The ratio of total profits to total losses (total profits / total losses). The average ideal value typically converges around 1.25, when considering a minimum of around 1,000 trades. For each count of trades, it is essential to know the upper limit value that the true profit factor of '1' can take. Not using an EA that achieves values above this threshold means you are unlikely to win. This is with a confidence level of 95%.

Recovery Factor: This metric, sometimes referred to as the "risk-return ratio," indicates the potential profit expectation of an EA in relation to the losses (risk) incurred. It is calculated as the total profit divided by the maximum drawdown (total profit / maximum drawdown). A common benchmark is that a recovery factor of over 5.0 is considered satisfactory, while a factor of over 10.0 is regarded as passing.

Luxstella LLC - Luxstella Bright Star Strategy (Product Overview)

<Backtesting Conditions>

・Backtesting Tool	:	Tick Date Suite
・Historical Data for Backtesting	:	DucasCopy
・Backtesting Period	:	January 1, 2013 – July 28, 2023 (10 years and 7 months)
・Initial Margin (USD)	:	10,000
・Trading Lot	:	EA1（0.10Lot）、EA6（0.10Lot）、EA7（0.01Lot）EA8（0.10Lot）
・Spread (Variable within specified range)	:	EA1（20）、EA7（50）、EA6・EA8（5～20*）
・Slippage	:	EA1（10）、EA7（4）、EA6（8）・EA8（4）
・Trading Commission & Swap	:	None
・Leverage	:	200 times

*Spreads used were created within a specified range linked to historical performance spreads.

<Backtesting Results>

・Number of Trades	:	6,713
・Total Profit/Loss	:	24,332
・Total Pips Gained	:	54,218
・Win Rate	:	61%
・Average Profit	:	13.54
・Average Loss	:	11.96
・Maximum Consecutive Wins	:	31
・Maximum Consecutive Losses	:	16
・Number of 5% Drawdowns	:	0
・Average Recovery Period for 5% Drawdown	:	-
・Maximum Recovery Period for 5% Drawdown	:	-

Annual average: $4,190 (average annual return of 42%)

・Profit Factor	:	1.78
・Recovery Factor	:	60.8
・Maximum Drawdown	:	400 (4.0% of initial margin)
・Average Pips Gained on Winning	:	32.40
・Average Pips Gained on Losing T	:	30.19
・Maximum Holding Time	:	44 days
・Average Holding Time	:	18 hours 18 minutes
・Sharpe Ratio (per trade)	:	0.19
・Standard Deviation (per trade)	:	18.91
・Expected Value (per trade)	:	3.63
・Maximum Held Positions	:	9
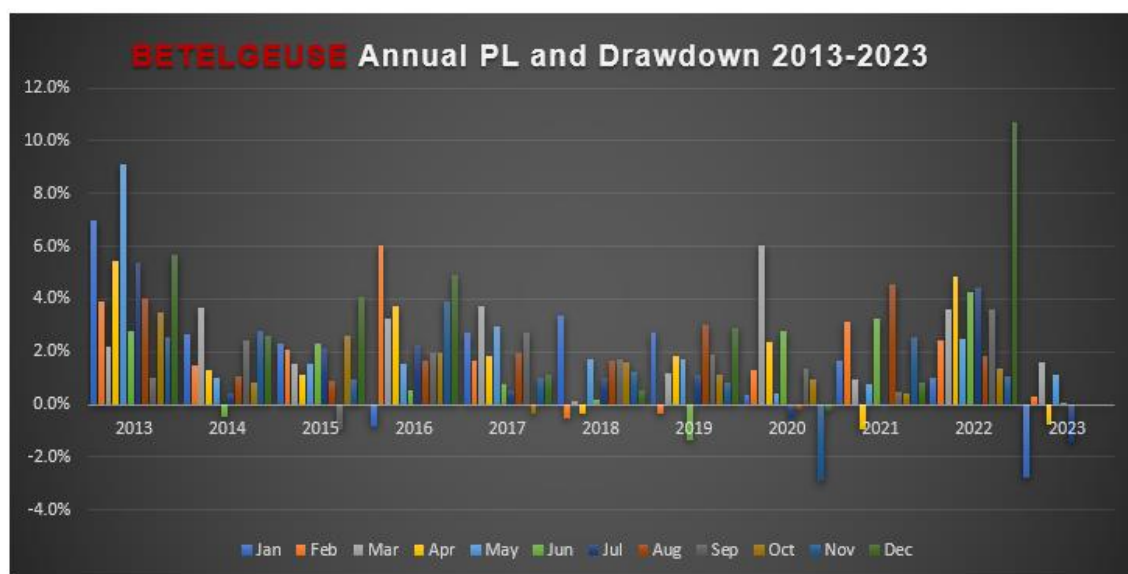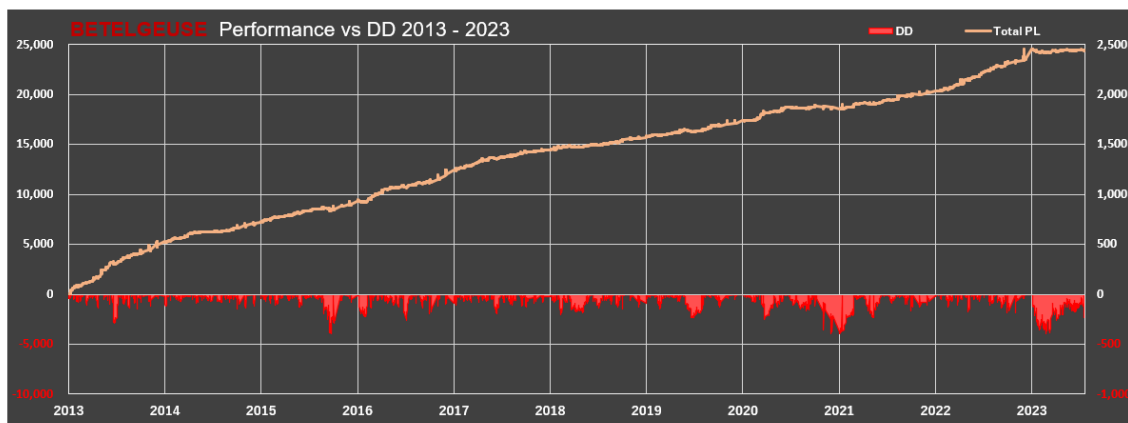
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**<Backtesting Results (Profit and Loss Progression & Monthly Performance)>**

BETELGEUSE Performance 2013-2023 (Unit: Dollars)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TTL
Year	697	392	219	544	911	276	541	401	101	348	255	571	5,256
2013	264	149	366	130	99	-44	42	107	244	86	279	259	1,982
2014	233	205	157	112	157	231	214	91	-95	259	97	407	2,067
2015	-79	605	326	370	155	55	224	168	196	194	393	492	3,100
2016	273	165	374	187	294	79	56	196	271	-32	101	111	2,076
2017	336	-52	13	-37	173	17	101	165	170	160	128	52	1,225
2018	271	-35	120	184	171	-134	116	303	192	115	86	288	1,675
2019	36	133	607	236	40	281	-52	-15	140	96	-287	-22	1,193
2020	165	316	95	-92	78	327	5	453	47	42	255	86	1,777
2021	99	243	364	483	250	428	445	182	362	137	105	1,073	4,170
2022	-279	29	160	-73	111	4	-142	0	0	0	0	0	-189
2023	2,015	2,150	2,801	2,044	2,440	1,521	1,550	2,050	1,627	1,404	1,412	3,318	24,332

BETELGEUSE Performance 2013-2023 Initial investment : 10,000USD

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TTL
2013	7.0%	3.9%	2.2%	5.4%	9.1%	2.8%	5.4%	4.0%	1.0%	3.5%	2.5%	5.7%	52.6%
2014	2.6%	1.5%	3.7%	1.3%	1.0%	-0.4%	0.4%	1.1%	2.4%	0.9%	2.8%	2.6%	19.8%
2015	2.3%	2.1%	1.6%	1.1%	1.6%	2.3%	2.1%	0.9%	-1.0%	2.6%	1.0%	4.1%	20.7%
2016	-0.8%	6.1%	3.3%	3.7%	1.5%	0.6%	2.2%	1.7%	2.0%	1.9%	3.9%	4.9%	31.0%
2017	2.7%	1.6%	3.7%	1.9%	2.9%	0.8%	0.6%	2.0%	2.7%	-0.3%	1.0%	1.1%	20.8%
2018	3.4%	-0.5%	0.1%	-0.4%	1.7%	0.2%	1.0%	1.6%	1.7%	1.3%	0.5%		12.2%
2019	2.7%	-0.3%	1.2%	1.8%	1.7%	-1.3%	1.2%	3.0%	1.9%	1.1%	0.9%	2.9%	16.7%
2020	0.4%	1.3%	6.1%	2.4%	0.4%	2.8%	-0.5%	-0.1%	1.4%	1.0%	-2.9%	-0.2%	11.9%
2021	1.7%	3.2%	0.9%	-0.9%	0.8%	3.3%	0.1%	4.5%	0.5%	0.4%	2.5%	0.9%	17.8%
2022	1.0%	2.4%	3.6%	4.8%	2.5%	4.3%	4.4%	1.8%	3.6%	1.4%	1.1%	10.7%	41.7%
2023	-2.8%	0.3%	1.6%	-0.7%	1.1%	0.0%	-1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%
TTL	20.2%	21.5%	28.0%	20.4%	24.4%	15.2%	15.5%	20.5%	16.3%	14.0%	14.1%	33.2%	243.3%
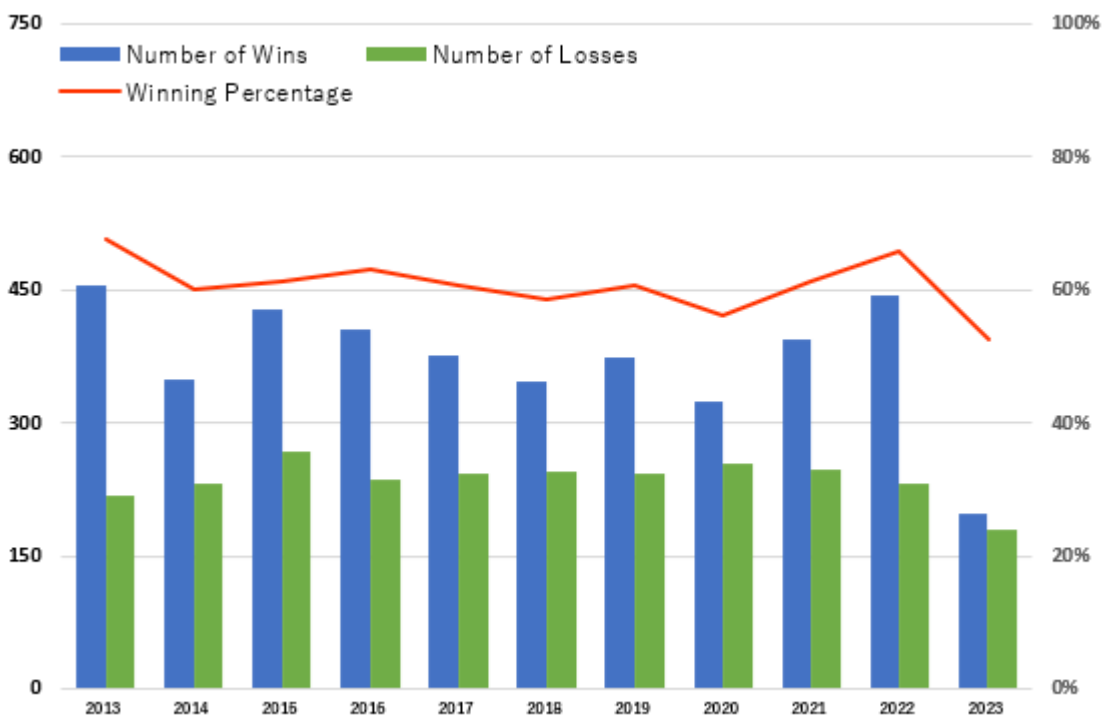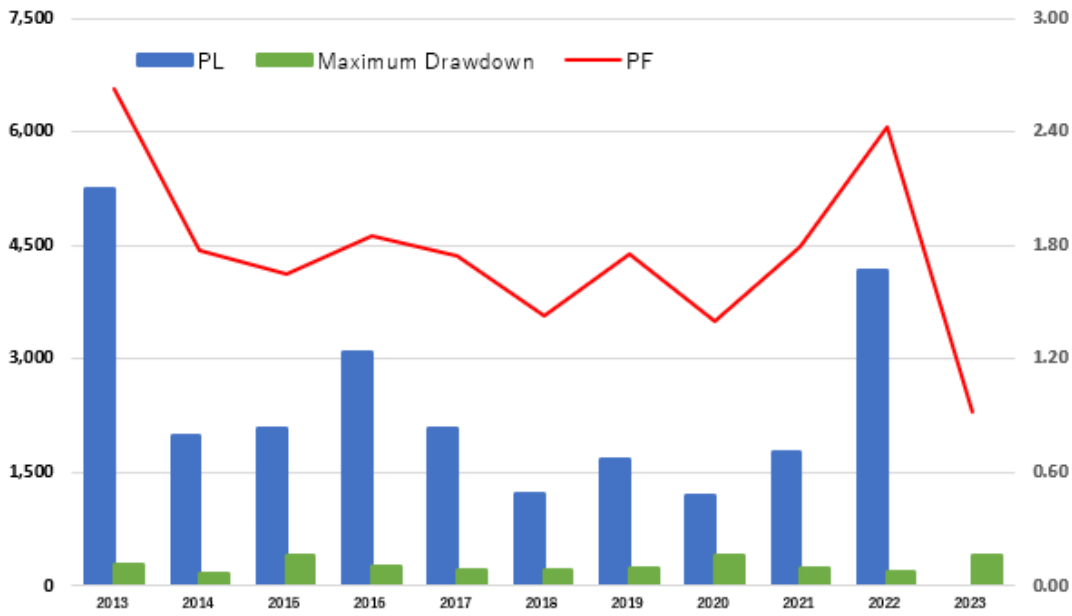
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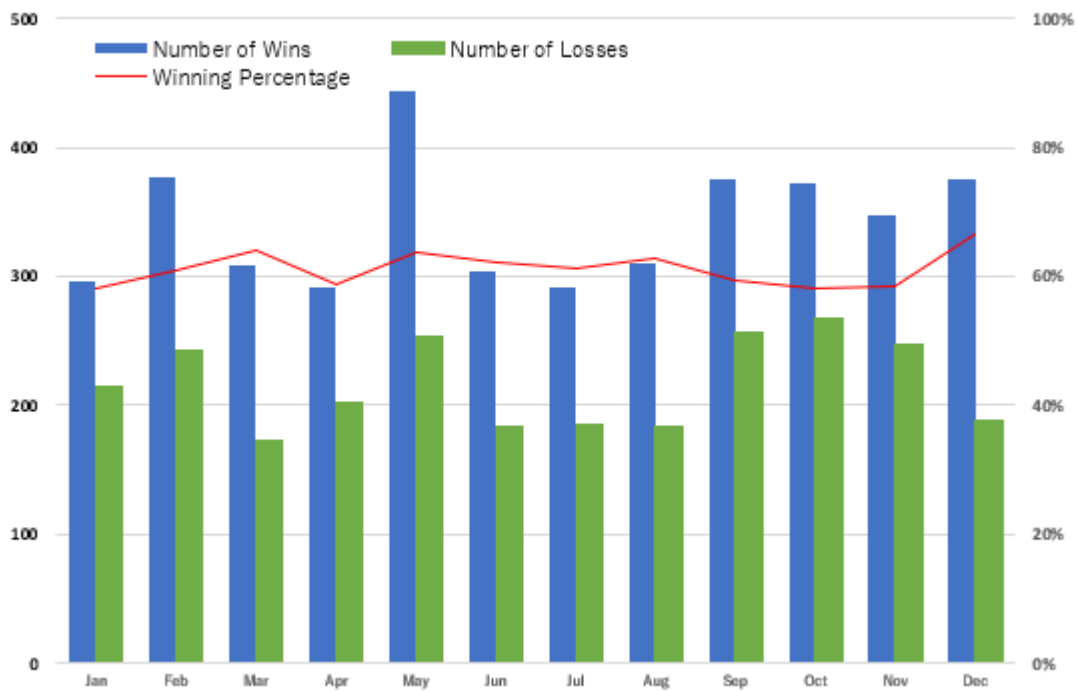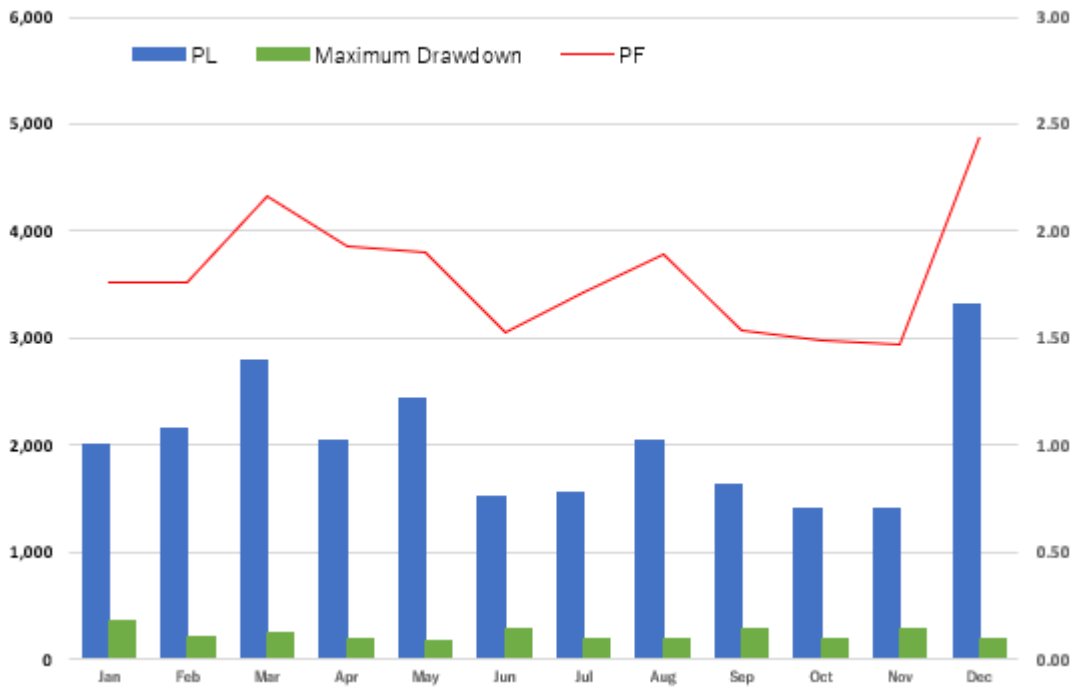
（Unit: Dollars）

Month	PF	PL	Profit	Loss	Maximum Drawdown	Number of Wins	Number of Losses	Winning Percentage
Jan	1.76	2,014	4,643	-2,629	355	296	214	58.0%
Feb	1.76	2,150	4,968	-2,818	206	377	242	60.9%
Mar	2.16	2,801	5,213	-2,412	254	308	173	64.0%
Apr	1.93	2,044	4,226	-2,182	193	291	203	58.9%
May	1.90	2,440	5,136	-2,696	175	444	254	63.6%
Jun	1.53	1,520	4,383	-2,862	290	304	184	62.3%
Jul	1.71	1,549	3,704	-2,155	200	292	185	61.2%
Aug	1.89	2,050	4,341	-2,291	195	310	184	62.8%
Sep	1.54	1,626	4,596	-2,969	294	376	256	59.5%
Oct	1.49	1,404	4,240	-2,835	199	373	267	58.3%
Nov	1.47	1,411	4,361	-2,950	277	348	248	58.4%
Dec	2.44	3,318	5,614	-2,297	196	375	188	66.6%
Ave	1.80	2,027	4,619	-2,591	236	341	217	61.2%
TTL	-	24,327	55,425	-31,095	-	4,094	2,598	-