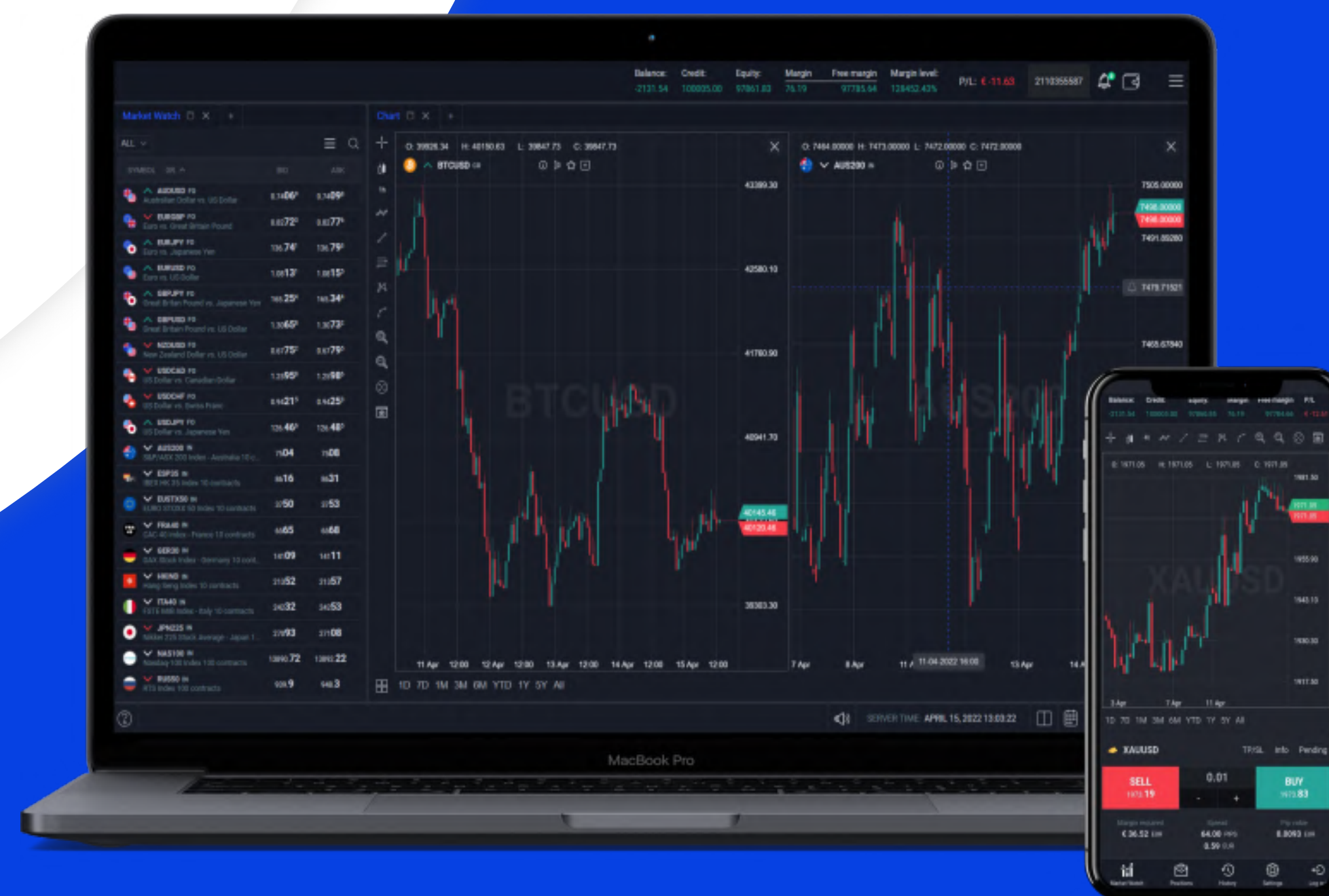




Algorithmic Trading and Brokerage Solutions



The **Challenges** of Money Management and Trading industries

For institutions

- Money managers and funds claim superior performance, but most of them can not beat S&P 500 long term.
- Wealth management companies are always looking for instruments with proven profitability and adapted for various risk appetite of clients.

For individuals

- The cumbersome trading interfaces in the majority of cases are not appealing to clients.
- They get lost and in the process of managing their portfolios considering risks and lack the information to take skillful decision to navigate in a quickly changing market conditions.

Our Solution

For institutions

- Advanced wealth management based on rigorous algorithmic trading techniques with high Sharpe ratio and proven real trading track record.
- We have been working in research and practical implementation of trading techniques for the past 4 years and have proven real trading track record.

For individuals and brokerage market

- Intuitive trading interfaces for Web and Mobile devices with variety of trading tools and additional features such as proprietary news channels covering many sources and filtering by various parameters, trading ideas and signals – all combined in one system.
- A lot of customer data allows us to upgrade our interface accordingly.
- We have successfully implemented it as Whitelabel solution more than 100 trading venues across Europe and Middle East (e.g. biggest retail broker in Dubai).

Our Algorithmic Trading Approach

Alfa Algorithms

Research

- Strategy research & implementation
- Strategy monitoring
- Portfolio forecasts

Production

- Live trading infrastructure
- Portfolio/system monitoring
- Database management

- Industry best-practice tools, oriented towards results
- Using top-grade data from CBOE/CME/NYSE/NASDAQ

- Full in-house automation and database solutions
- Connection to multiple brokers

Our Algorithmic **Trading Approach:** Volatility focused strategies. Variance Risk Premium.

Implied volatility of major indexes is in majority of cases exceeding realized volatility. This creates opportunities for statistically plausible techniques allowing to make trading based on this well described arbitrage.

We created a number of algo trading techniques and successfully applied them for the past 4+ years to realistic market conditions with 5 real money accounts.

We started with Nasdaq and want to expand our techniques to additional markets while collaborating with investment houses and money managers.

We extensively apply machine learning methods, statistical techniques and automation with highly volatile tick options data streaming from major exchanges e.g. Cboe, CME.

Algorithmic trading **overview**

Research



Code



Analysis of market
conditions



Decision

What is algorithmic trading?

Algorithmic trading is the automated execution of market orders. Over 60% of all trading is done by machines.

With algorithms we can:

- Implement statistics and machine-learning signals
- Achieve consistent and predictable performance

Why us?

Our successful track record of over 4 years of live automated-trading and our research oriented mentality.

Our system methodology

General overview

- Trade options on major indices and futures
- Target price opportunities due to volatility dislocation and volatility reversion
- Manage our positions daily using statistics and machine learning methods
- Hold a combination of US equities, bonds, and cash

Advantages

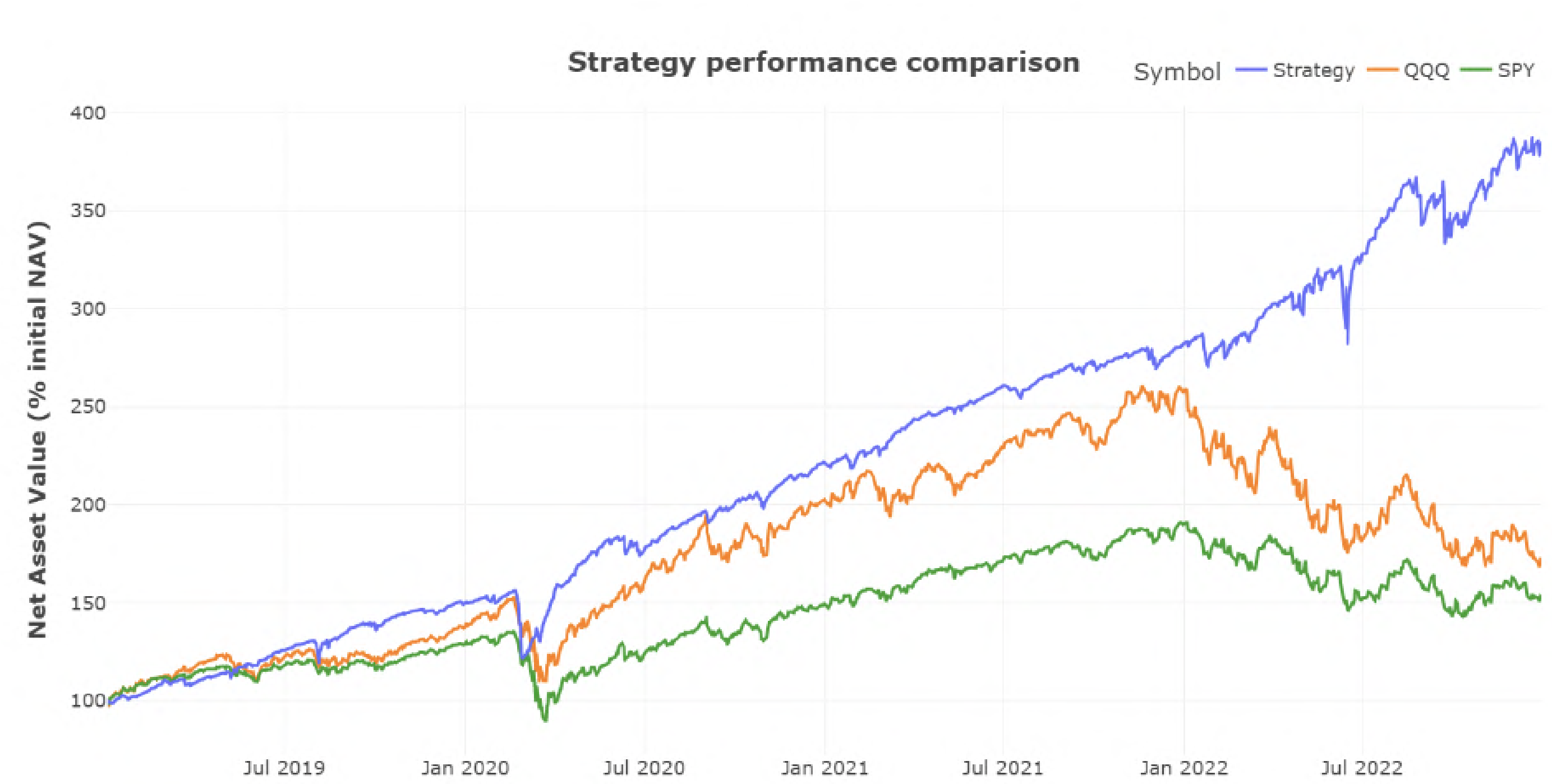
- Low correlation with S&P
- Superior returns vs S&P
- Less drawdowns vs S&P

Our system: Simulated Results

Combined strategy

Backtested performance, strategy performance, with reinvestment

	Strategy 2	SPX
CAGR	40.1%	11.2%
Max DD	22.1%	34.1%
Sharpe	0.51	0.13
SPY Beta	0.31	1



Case Study: Unedited real trading results

Cumulated performance in last 12 months

Total metrics for the period

Unrealised Delta P&L	2 490.02	Interest	-1 475.8
Gross Realized P&L	22 209.41	Commissions	-1 614.91
Dividends	0.09	Converted Volume	-0.02
Currency Based Adjustment	-540.15	Other	-149.11
Realized Net P&L	18 429.52		
Total Net P&L	20 919.54		
ROI	14.6600%		
Sharpe Ratio	0.3114		
Sortino Ratio	208.8918		



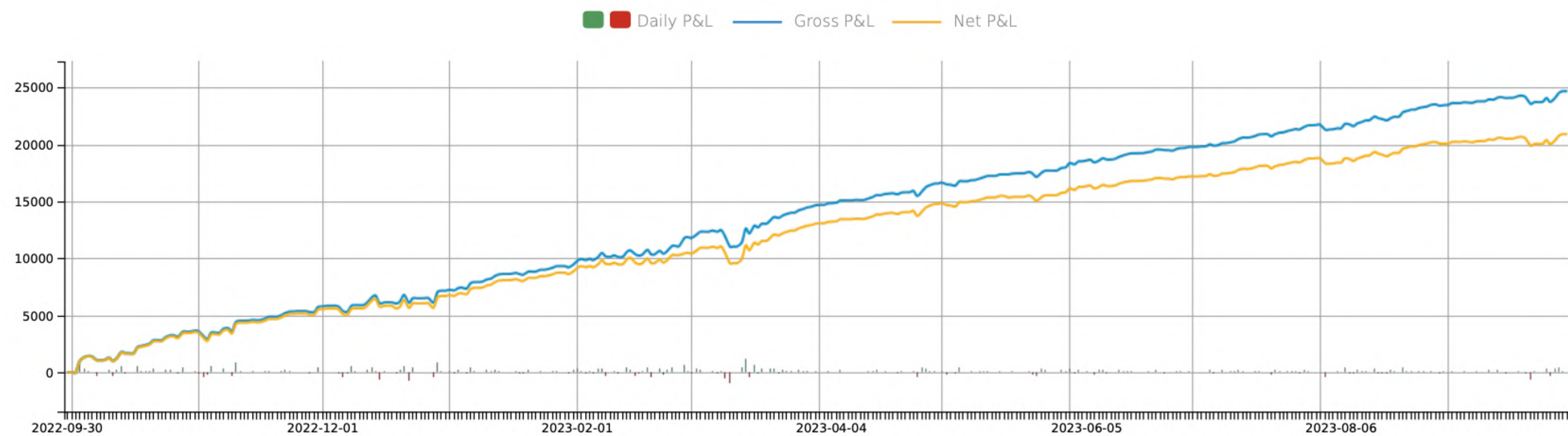
Metrics per currencies

Currency	Interest	Interest, USD	Converted Volume	Converted Volume, USD
USD	-1 475.55	-1 475.55	-3.89	-3.89
TRY	-3.87	-0.2	76.65	3.87
EUR	-0.04	-0.04	0	0

Case Study: Unedited real trading results

Cumulated performance in last 12 months

Daily Profit & Loss



Case Study: Unedited real trading results

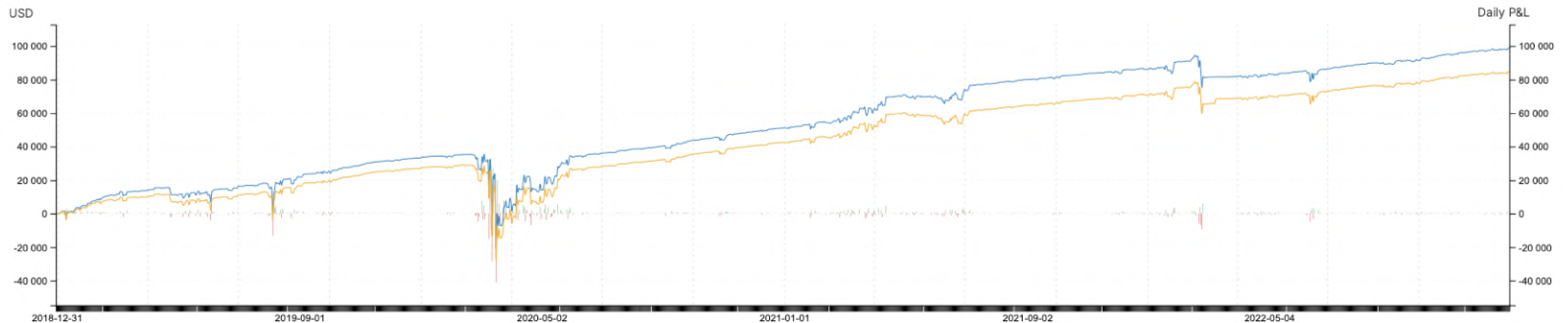
Cumulated performance in 2019–2022 (4 years)

Performance — EXANTE			
Fundings	211 643.72	Interest	-264.22
Withdrawals	-380 159.28	Commissions	-10 668.57
Unrealised Delta P&L	2 125.98	Overnights	-5 831.96
Gross Realized P&L	96 285.44	Converted Volume	-437.72
Rebates	100.98	Other	-415.75
Dividends	173.24		
Currency Based Adjustment	3 292.79		
Statistics for a period, USD			
Realized Net P&L	82 234.22		
Total Net P&L	84 360.2		
ROI	102.86 %		
Sharpe Ratio	0.0303		
Sortino Ratio	102.0557		
+ METRICS PER CURRENCIES		Download XLS report	
CURRENCY	INTEREST	INTEREST, USD	CONVERTED VOLUME
USD	-48.5	-48.5	-157 899.13
SGD	0	0	-9.21
RUB	-13 999.55	-163.86	485 587.67
ILS	-0.06	-0.02	-6 328.69
EUR	-47.64	-51.61	145 137.64
CHF	-0.03	-0.03	-673.61

Case Study: Unedited real trading results

Cumulated performance in 2019-2022 (4 years)

Daily P&L



Our **solutions** for individuals and brokerage market

We have developed a range of Whitelabel solutions for trading, including:

- Web and mobile trading Apps,
- Risk Management and BI Systems,
- Advanced Data Analytics,
- Marketing Automation Systems,
- CRM systems tailored for trading.

As technical partners of leading CRM, Signal, and Payment Technology providers, we are able to tailor full-scale solutions according to unique needs.



Our **solutions** for individuals and brokerage market

Web and mobile trading application to trade on equities, CFD, Forex, Commodities and other market assets. It's powered by a custom trading engine, boasts advanced risk management and selection of account currencies.

Key Benefits:

- Simplicity of trading
- Indicators
- Drawing tools
- Saving templates for the trading strategies
- Chat platform
- Admin panel for managing the customer, trades and deposit information
- Training module
- Personal settings
- Widgets for trends and more



Alfa Algorithms History

Alfa Algorithms is a leading technology provider company based in Israel. Our company specializes in developing powerful algorithms for trading that enable individuals and institutions to manage their funds with steady growth.

We strongly believe that our effective financial instruments can offer a significant advantage to companies operating in the Hong Kong market.

Over the years we have developed a reputation for excellence in the fintech industry. Our advanced technologies are utilized by over 100 brokers through our technology providers, enabling them to provide their clients with top-tier solutions and services.

We also have developed a range of Whitelabel solutions for trading, including Web and mobile trading Apps, Risk Management and BI Systems, and CRM systems tailored for trading. As technical partners of leading CRM, Signal, and Payment Technology providers, we are able to tailor full-scale solutions according to unique needs.

We are enthusiastic about bringing new technologies to the financial market and are always looking for new partnerships!

Our Team



Alexey Sivakov Farber

Founder and CEO

25+ years in industrial applications of algorithms in major Israeli hi-tech companies, as well as US and Israeli R&D institutions



Zahi Hazan

Chief Scientist

Algorithms and data science expert. B.Sc and M.Sc in pure mathematics from Tel Aviv University. Currently pursuing a Ph.D in Mathematics.



Ran Calman

Head of Innovation

Data scientist and Algorithm Developer. M.Sc Weizmann Institute of science and B.Sc from Tel Aviv University in Theoretical and Mathematical Physics.



Alena Kantaeva

VP Business Development & Client Relations

10+ years of experience in Marketing, Sales and Communication.

What we are looking for?

Partnerships with wealth management organizations to use our superior Algorithmic Trading technology

Partnership with brokers or banks to integrate and further develop our Whitelabel trading solutions for Web and Mobile Trading Applications

Partnership with fintech organizations to perform joint R&D activities



At Alfa Algorithms we leverage the edge of the best knowledge and experience across Israel and European countries.

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