Alfa Algorithms Background

Leading Technology Provider

- **Founded in 2014 in Israel**, we have established ourselves as a trusted technology provider known for our high-quality offerings for fintech companies.
- Our core specialization is the delivery of **full-scale tailored Whitelabel trading solutions**, including: Web/mobile apps, Risk management, customized CRM and BI systems, algorithmic trading for wealth management.

Global Presence

- For expanding operations and strategic collaboration the local operations in **Cyprus** and **Hong Kong** were set up
- We have key strategic partners across the **European Union, Asia and UAE**

Customer Base and Reach

- We are serving and supporting **100+ B2B customers** with our SaaS Whitelabel trading solutions

Fintech Excellence

- Our reputation for delivering top-tier solutions and services in the fintech market speaks for itself. We are dedicated to maintaining this standard of excellence and look forward to continuing to serve our clients with the best in the industry.
- For meeting unique clients needs we collaborate with leading technology vendors (CRM, Signals, PSP, etc.)

Regulatory Compliance

- For wealth management operation a **SEC-regulated** entity was established (for US-based customers only – https://alfa-assets.com/)

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Our Solution

For wealth management and 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 5 years and have proven real trading track record.

For 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).

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Our solutions for brokerage market

At Alfa Algorithms, we empower businesses with cutting-edge technology, offering:
- White Label Web and Mobile Trading Platform,
- Trading app development,
- Prop Trading Platform,
- Trading Signals,
- Copy Trading Solutions
- AI-powered trading bots

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

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White label WebTrader Solution

Webtrader and Mobile App

Intuitive trading interfaces for Web and Mobile devices with a 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.

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What does the white label version include?

- trading platform
- adaptive mobile version
- trading plugin (can be developed separately, by individual agreement)

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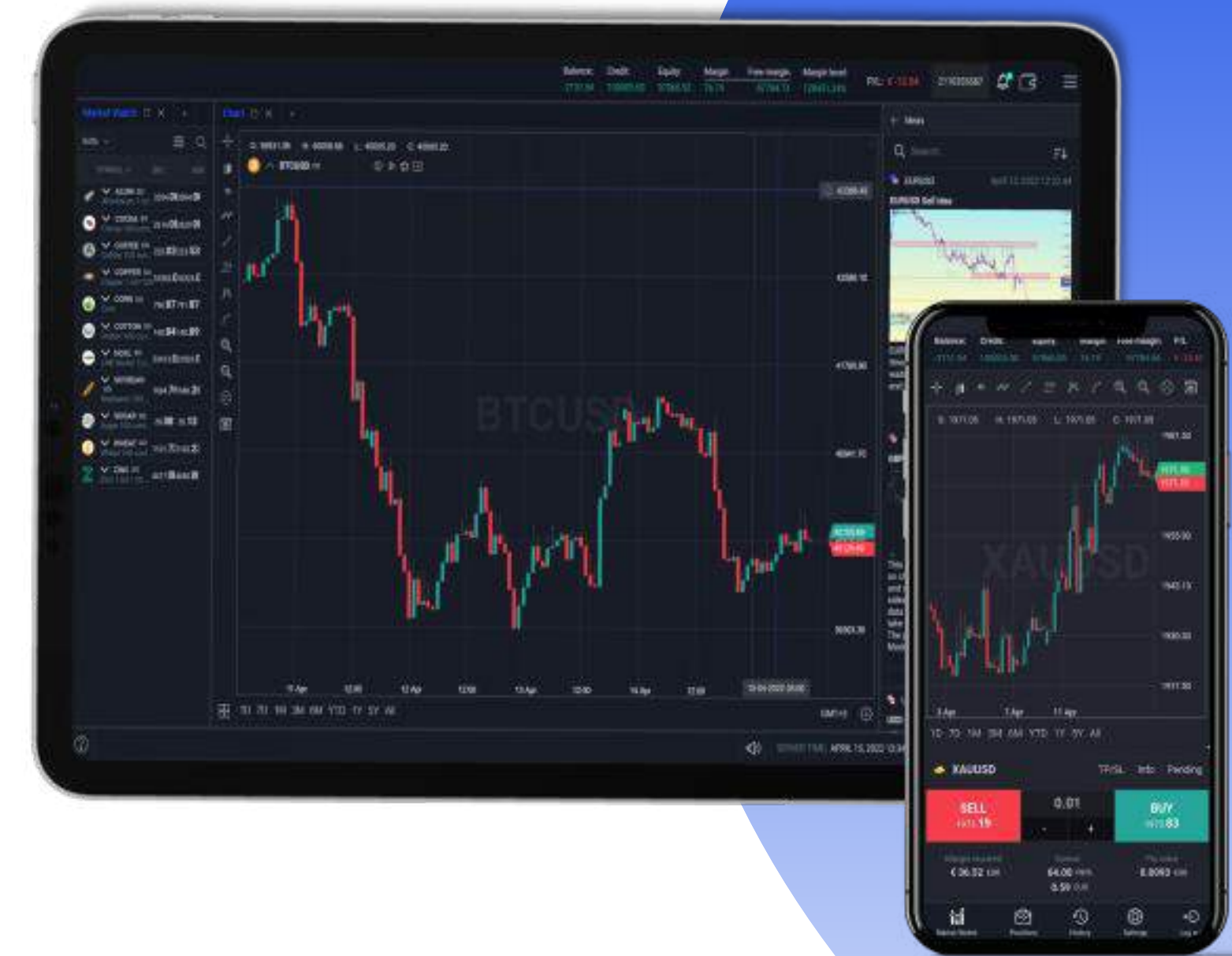
Complex Trading Mobile Applications Development

Fintech applications for brokers and affiliates

Integration with CRMs and other external services

Integration with mobile events analytic tools

Smart mobile notifications system

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Copy trading for traders: modes and settings

Copy Trading Solution (Social Trading) allows traders to customize their strategies. It offers various copying modes based on multiple indicators. Signal providers can adjust fees to maximize their earnings. Brokers also have different modes to manage and customize the platform. The solution offers followers different copying modes based on multiple indicators:

- Equity;
- Free margin;
- Multiplication copying;
- and more.

Followers also may turn on proportional copying to equalize the trading risks on small amounts when following the strategy of providers with bigger accounts to mitigate risks and avoid overexposure.
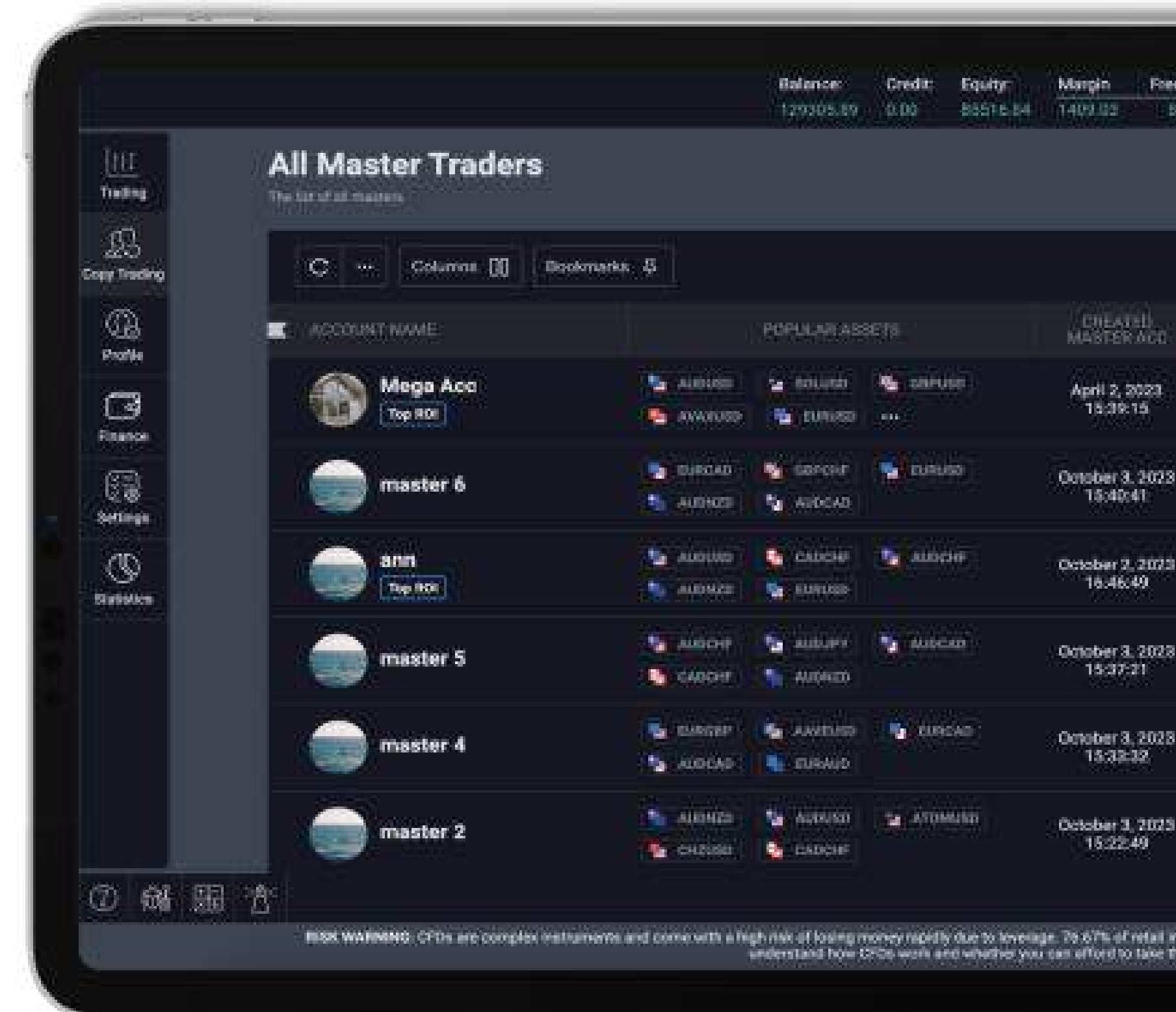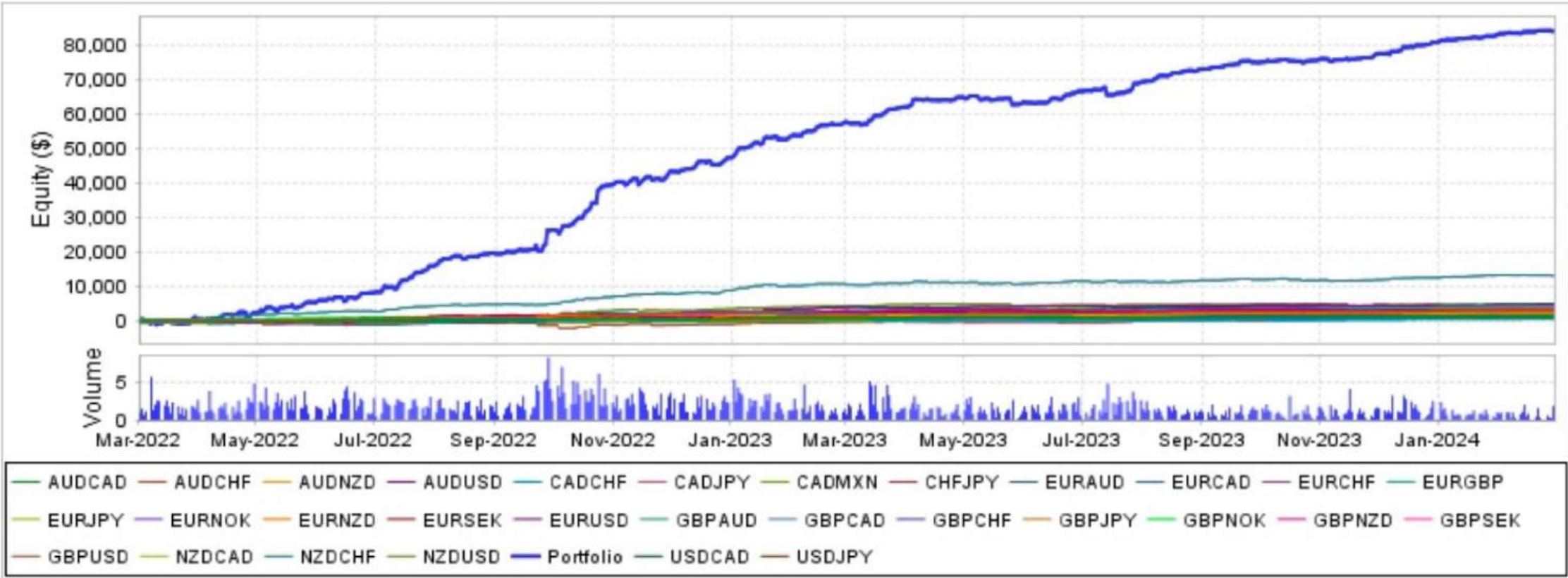

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Trading Robots

We offer fully automated trading algorithms with proven track record that passed rigorous risk management criteria. The delivery of bots is carried out by connecting our trading middleware with EA to brokers' servers.

We offer range of bots for trading based on unique and inhouse developed methods that allow us to analyse chart patterns across multiple timeframes. We have 2 types of solutions:
- Robots based on AI technical analysis features, and
- Advanced Robot based on deep learning AI.

TOTAL PROFIT		# OF TRADES	SHARPE RATIO	PROFIT FACTOR	RETURN / DD RATIO	WINNING %
$ 83874.27		6578	1.63	1.74	29.98	71.1 %
PROFIT IN PIPS	1223948.6 PIPS	DRAWDOWN	% DRAWDOWN	DAILY AVG PROFIT	MTHLY AVG PROFIT	AVERAGE TRADE
YRLY AVG PROFIT	$ 41936.62	$ 2798.05	0.09 %	$ 114.58	$ 3494.76	$ 12.75
YRLY AVG % RET	1.4 %	ANNUAL% / MAX DD%	R EXPECTANCY	R EXP SCORE	SQN	SQN SCORE
CAGR	0.92 %	10.26	0.21 R	700.93 R	15.77	79.4

generated by Quant Analyzer

example of existing robot performance

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Our Algorithmic **Trading Approach**

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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

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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 5+ 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.

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Algorithmic trading overview

Research

↓

Code

↓

Analysis of market conditions

↕

Decision

What is algoritmic 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 5 years of live automated-trading and our research oriented mentality.

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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
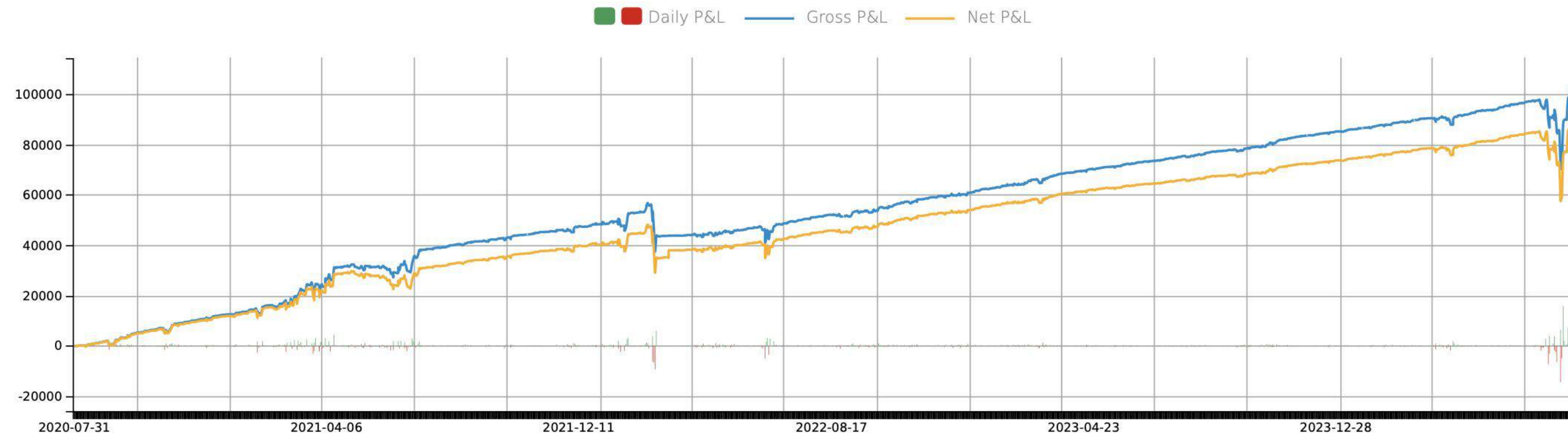- Hold a combination of US equities, bonds, and cash

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

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Case Study: Unedited real trading results
Cumulated performance in 2020-2024 (4 years)

Daily Profit & Loss

Realized Net P&L	89 328.69
Total Net P&L	89 353.61
ROI	82.0100%

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Our Team

Alexey Farber
Founder

25+ years experience in industrial applications of algorithms in major Israeli hi-tech companies, US and Israeli R&D institutions. Alexey founded Alfa Algorithms in Israel and successfully led the company to great achievements in the fintech market.

Sasha Rizhkov
Head of Development

Sasha is an experienced R&D manager with 15+ years of background in leading complex software development projects and solving real business problems.

Dr. Ihar Volkau
Chief Scientist

Volkau Ihar got his PhD in differential equations and mathematical physics. He worked on different projects that involved modeling and optimizing processes.

Kate Chernyakova
Head of BizDev and Marketing

Kate has more than 5 years of experience in Marketing, Sales, and Communication. Last 3 years, she has been helping Alfa Algorithms Israel with its Business Development strategy and execution.

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

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