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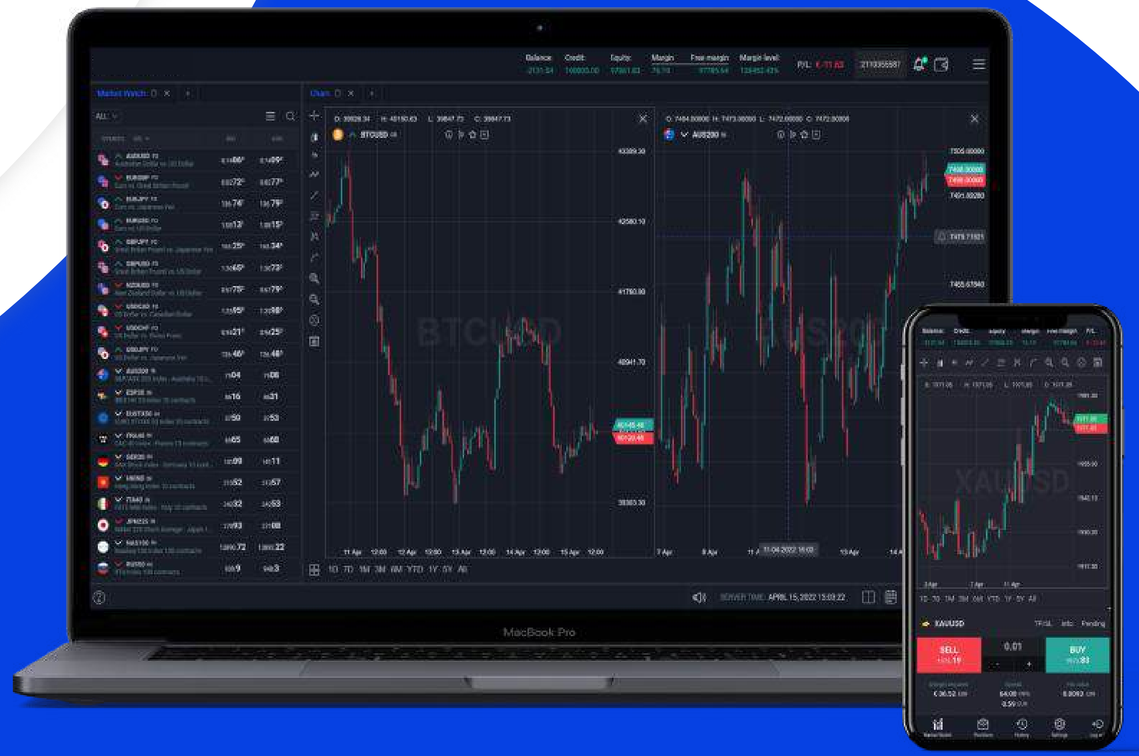
Algorithmic Trading and Brokerage Solutions



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.

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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 5 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).

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Our Algorithmic Trading Approach

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Research

- Strategy research & implementation
- Strategy monitoring
- Portfolio forecasts

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

Production

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

- 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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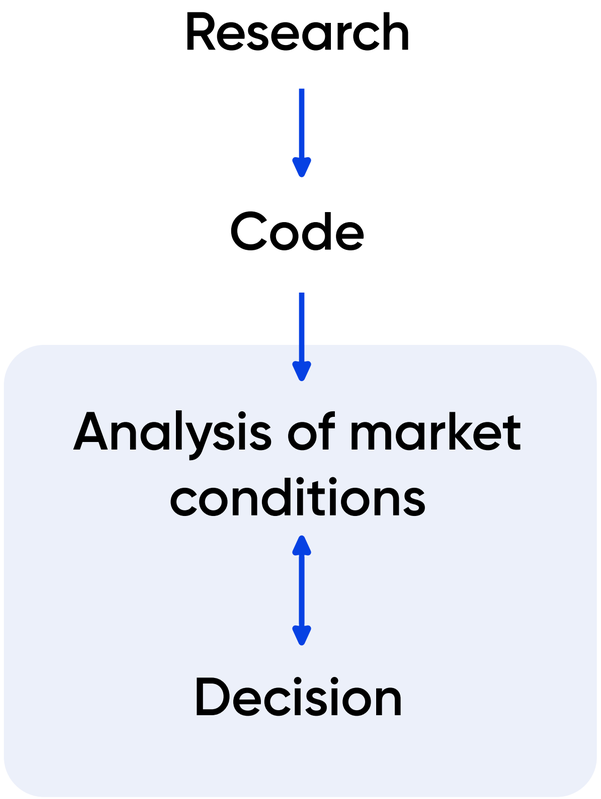
Algorithmic trading overview



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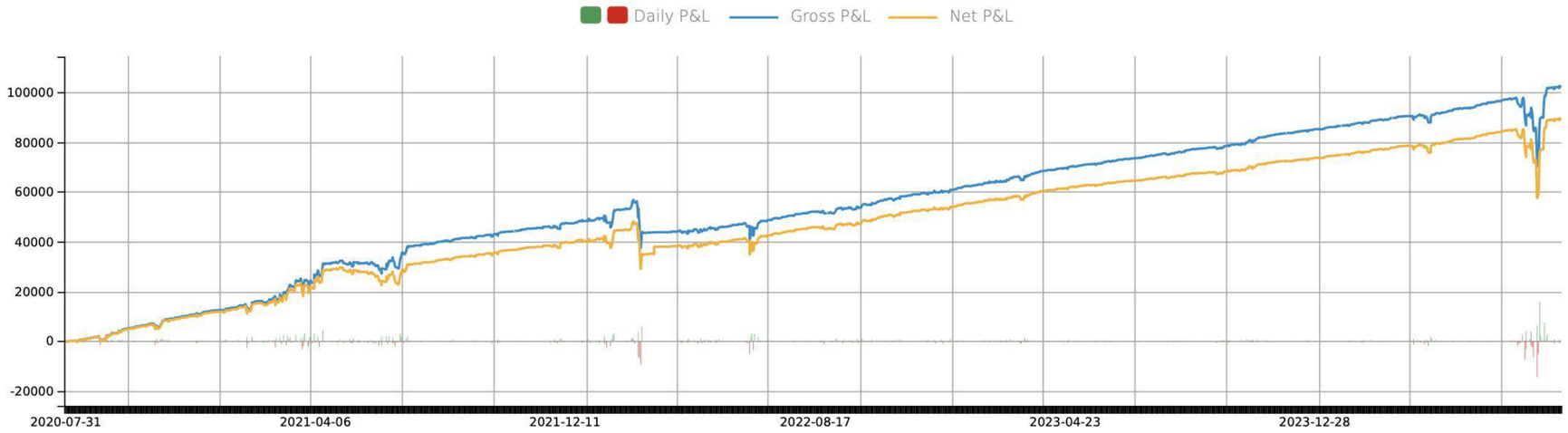
Case Study: Unedited real trading results
Cumulated performance in 2020-2024 (4 years)

Daily Profit & Loss



Realized Net P&L	89 328.69
Total Net P&L	89 353.61
ROI	82.0100%
Sortino Ratio	210.3282

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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.

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.

A lot of customer data allows us to upgrade our interface accordingly.

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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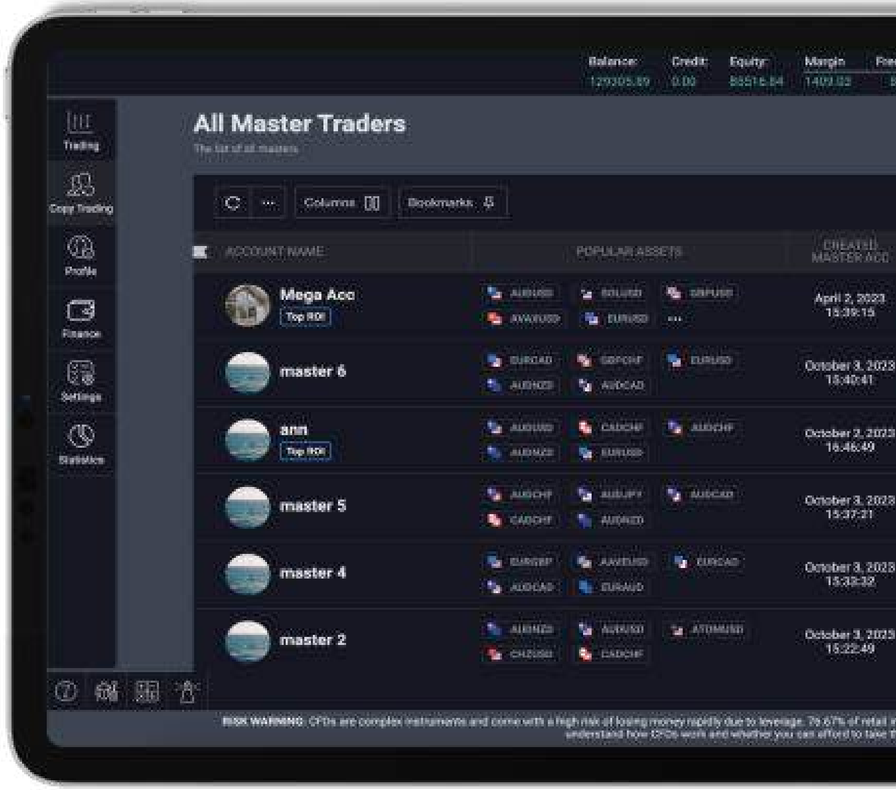
Copy trading for traders: modes and settings

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.

example of existing robot performance

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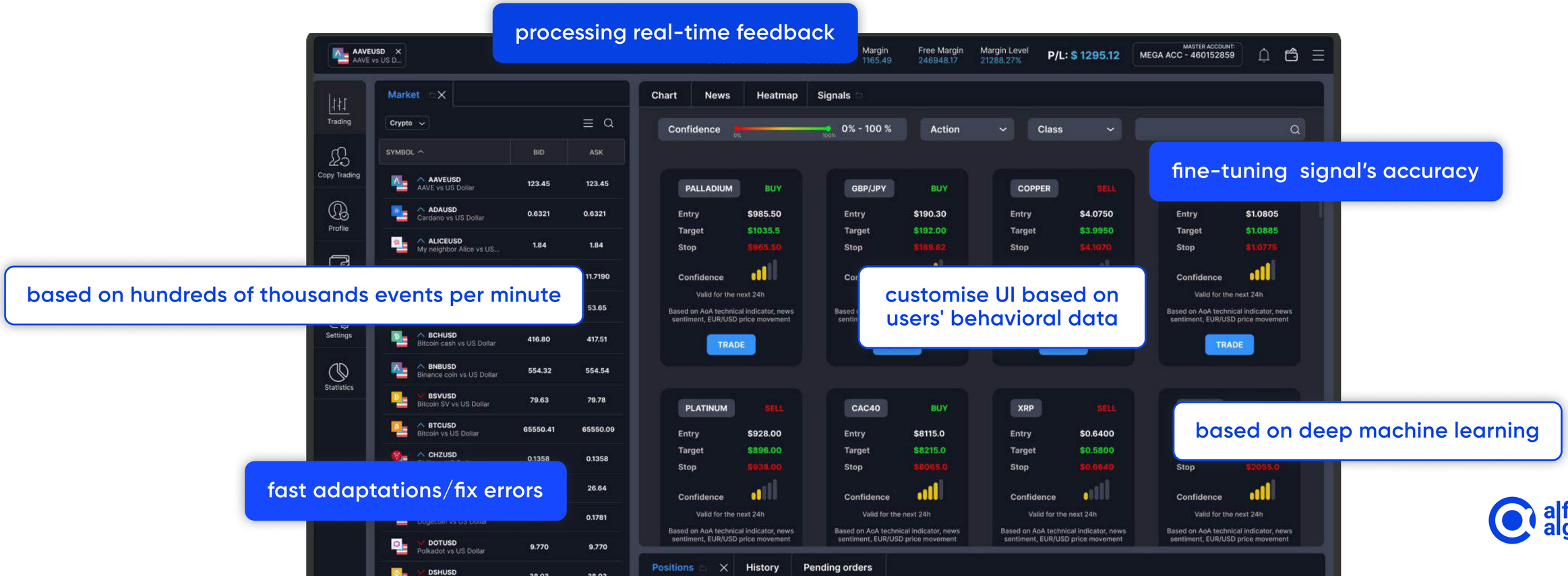
AOA - the next generation of signals

The AoA (Assistant of Advisors) is an AI-powered financial quantitative analysis tool. It estimates the future price range and volatility based on efficient data mining algorithms discovering the hidden connections in multiple data sources. The AI engine cross-references market-related data, including technical indicators, fundamental analysis, and historical data.



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Alfa Algorithms Background

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. In order to expand our operations and strategic collaboration, Alfa Algorithms Cyprus was established in 2022 and Alfa Algorithms HK in 2023.

We strongly believe that our effective financial instruments can offer a significant advantage to companies operating in the fintech 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!

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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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