PIONEERING QUANTITATIVE TRADING IN NEW YORK

Empowering Investors with Innovation and Integrity

APEC

REDEFINING GLOBAL FINANCE THROUGH CUTTING-EDGE ALGORITHMS AND UNMATCHED TRANSPARENCY

COMPANY INTRODUCTION AND VISION

A NEW ERA OF FINANCIAL INNOVATION DRIVEN BY QUANTITATIVE TECHNOLOGY

APEC Trade is a professional quantitative trading company head-quartered in New York, USA. It is committed to building a data-driven, algorithm-based intelligent trading system to create a world-leading quantitative financial platform. We deeply participate in the global capital market by building high-performance algorithm models and automated trading systems to provide investors with accurate, efficient and low-risk trading solutions.

OUR VISION IS TO BECOME A GLOBAL LEADER IN QUANTITATIVE TRADING AND MAKE EVERY INVESTMENT DECISION MORE SCIENTIFIC, TRANSPARENT AND INTELLIGENT.

IN THE RAPIDLY CHANGING FINANCIAL WORLD, APEC TRADE HAS ALWAYS BELIEVED THAT ONLY EVOLVING TECHNOLOGY AND LONG-TERM PROFESSIONALISM CAN CROSS MARKET CYCLES AND CREATE SUSTAINABLE GROWTH VALUE.

WHAT IS QUANTITATIVE TRADING? DEFINITION AND UNDERSTANDING OF APEC TRADE

Quantitative trading is a trading strategy based on mathematical models and statistical methods to buy and sell assets in a programmatic way. It is different from the "subjective judgment" or "experience decision" in traditional trading methods. It emphasizes data-driven and systematic execution as the core, and has significant advantages such as high frequency, low latency and emotional neutrality.

In the view of APEC Trade, quantitative trading is not only a tool, but also a new investment philosophy. It achieves stable returns under controllable risks by building models, analyzing big data, conducting historical backtesting and real-time monitoring. The strategies we adopt cover multiple dimensions such as trend tracking, statistical arbitrage, machine learning strategies, volatility strategies, event-driven models, etc., to ensure that stable performance can be maintained in different market environments.

Compared with investment methods that rely on human judgment, quantitative trading greatly improves efficiency and accuracy through automatic execution of programs, objective decision-making of models, and dynamic adjustment of systems, making transactions more scientific, controllable and replicable. APEC Trade is committed to popularizing this advanced concept to global investors so that more people can enjoy the trading dividends brought by technology.

TECHNICAL CORE: QUANTITATIVE ALGORITHM SYSTEM ARCHITECTURE

BUILD A FUTURE-ORIENTED QUANTITATIVE TRADING INTELLIGENT ENGINE

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APEC Trade's core competitiveness comes from its highly modular and intelligent quantitative trading system architecture. The entire system consists of a data input layer, a strategy development and modeling layer, a risk control management layer, an automated execution engine, and a result feedback optimization module, which runs through the entire closed loop from data collection to transaction landing.

At the data input layer, we connect with multiple mainstream exchanges and financial data providers around the world to ensure the acquisition of high-frequency, low-latency, and multi-dimensional market data, including prices, trading volumes, volatility, economic indicators, and real-time news. The system's built-in data cleaning and normalization mechanism ensures the purity and availability of input information, laying a solid foundation for strategy modeling.

Multi-dimensional market data

Solid foundation

Purity of information

Availability of information

Real-time news

Economic indicators

Based on theories such as statistics, machine learning, and deep learning, the APEC Trade team has developed a variety of algorithmic models, such as trend tracking, mean reversion, statistical arbitrage, liquidity tracking, factor models, and multi-factor integrated strategies.

Each model has been backtested with massive historical data and verified in real trading, and has been continuously iterated and optimized to achieve the robustness of the strategy under different market conditions.

The entire system design follows the principle of "high configurability, high scalability, and low-latency execution", supporting functions such as rapid strategy deployment, multi-strategy parallel operation, and automatic model adjustment

ensuring that our platform has continued leading execution and adaptability in high-frequency volatile financial markets.

THE STRATEGY MODELING LAYER IS THE "HEART" OF THE ENTIRE SYSTEM.

TECHNICAL CORE: MARKET DATA COLLECTION AND PROCESSING

SIX MAJOR DATA ADVANTAGES BUILD THE CORE BARRIERS OF QUANTITATIVE TRADING

In quantitative trading, data is not only auxiliary information, but also the core driving engine for building models, formulating strategies and executing transactions. APEC Trade always adheres to the concept of "data-based", builds a full-stack data system around six key advantages, and provides stable and high-quality support for trading decisions.

1. MULTI-SOURCE HETEROGENEOUS DATA INTEGRATION CAPABILITIES

We collect data from multiple sources such as global mainstream exchanges, data vendors, blockchain networks, and financial information platforms, including:

Real-time market conditions, deep order books, historical transaction data

Macroeconomic indicators, industry news, policy announcements

Market sentiment data, social media popularity, on-chain indicators

Advantage representative: A more comprehensive market perspective helps strategies to explore potential opportunities in multiple dimensions and improve the accuracy and adaptability of predictions.

2. HIGH-FREQUENCY AND LOW-LATENCY TRANSMISSION SYSTEM

APEC Trade has deployed high-speed data channels and edge node access mechanisms to achieve millisecond-level data push and update.

Advantages: Seize the opportunity of trading windows, especially suitable for strategy models such as high-frequency strategies and micro-structure arbitrage that are extremely sensitive to "time difference".

3. RIGOROUS DATA CLEANING AND NORMALIZATION PROCESS

We perform structured processing on the original data, including: Missing completion, anomaly elimination

Missing completion, anomaly elimination

Time alignment, numerical standardization

Noise filtering, field unification

Advantages: Ensure the stability and reliability of model input, and avoid trading deviations or strategy failures caused by "dirty data".

4. INTELLIGENT FEATURE ENGINEERING AND FACTOR EXTRACTION

Extract core factors through machine learning and statistical methods, including:

Trend factor, volatility factor, momentum factor

Fund inflow and outflow, transaction density, price gradient

Quantitative indicators based on news sentiment or social network sentiment

Advantages: Ensure the stability and reliability of model input, and avoid trading deviations or strategy failures caused by "dirty data".

5. DATA SECURITY AND COMPLIANCE GUARANTEE

Distributed storage, encrypted transmission, permission classification and audit tracking mechanism are adopted to ensure the integrity and confidentiality of data.

Advantages: Enhance the compliance and risk control capabilities of the platform, especially to ensure customer data security in cross-regional and multi-account operation scenarios.

6. DATA CLOSED-LOOP OPTIMIZATION MECHANISM

All transaction execution and strategy performance data will automatically flow back to the strategy evaluation center for model adjustment and factor retraining.

Advantages: Form a closed-loop system of "data-model-execution-feedback" to achieve dynamic evolution and self-optimization of strategies.

WITH THESE SIX DATA ADVANTAGES, APEC TRADE NOT ONLY ACHIEVES ACCURATE CONVERSION FROM INFORMATION TO DECISION-MAKING, BUT ALSO ESTABLISHES A SOLID TECHNICAL MOAT IN THE FIELD OF GLOBAL QUANTITATIVE TRADING, ENSURING THAT EVERY INVESTMENT IS BASED ON SCIENTIFIC, COMPREHENSIVE AND SECURE DATA.

REPRESENTATIVE QUANTITATIVE STRATEGIES OF APEC TRADE

At APEC Trade, we are well aware that the market is never single.

Volatility and trend are intertwined, and emotions and structures compete with each other. Therefore, strategies must be diverse, logic must be precise, and execution must be stable. We have built a multi-dimensional strategy matrix covering different market environments to adapt to the diversity and uncertainty of the market.

In addition to traditional strategies, we also carry out modeling at a more complex data level.

APEC Trade's machine learning model is built with dozens of factors, which can discover potential structural opportunities in the market from nonlinear data relationships. When faced with emergencies or macro changes, the event-driven model will quickly assess the impact level and adjust positions based on historical similar scenarios.

When the market enters a clear unilateral trend, our trend tracking system automatically identifies price momentum signals, captures the continuous trend after the breakthrough, quickly builds positions, and dynamically adjusts the stop-profit and risk control thresholds according to the intensity of volatility.

When the market is stalemate and prices fluctuate around a core value, our mean reversion strategy begins to dominate. Through backtesting analysis of asset spreads and historical ranges, we arrange high-win reverse transactions.

Our trading system does not "rely" on any single strategy. We pursue the complementarity of strategies, low correlation of returns and dynamic rebalancing of portfolios. This multi-strategy fusion mechanism not only reduces overall volatility, but also improves the viability of funds in different market conditions.

Strategy is the soul of APEC Trade, but more importantly, it is the whole set of continuously optimized and strictly verified system support behind it. We do not believe in the "always effective" formula, but always adhere to the "continuously evolving" system.

RISK CONTROL SYSTEM

RISK CONTROL IS NOT A REMEDY, BUT THE "FIRST STRATEGY" OF THE SYSTEM

Really mature quantitative trading never reacts when risks appear, but builds risk management as the "core architecture" at the beginning of strategy design.

In APEC Trade, every strategy must pass three levels of risk control thresholds before it goes online: strategy-level risk control, account-level risk control, and system-level risk control.

STRATEGY-LEVEL RISK CONTROL: focuses on the behavioral boundaries of "single models". We set parameters such as volatility tolerance range, retracement limit, position change limit, etc. for each strategy. Once the strategy behavior deviates from expectations, the system will automatically suspend its execution and notify the research team to intervene. In this way, we can not only prevent the model from getting out of control, but also detect potential changes in market structure in the early stages.

ACCOUNT-LEVEL RISK CONTROL: is responsible for unified regulation of capital risk exposure, including maximum daily loss limit, overall leverage ratio, asset category weight, etc. When extreme market conditions occur, such as flash crashes or black swan events, our automatic position reduction mechanism will be triggered immediately to prioritize the protection of principal safety.

SYSTEM-LEVEL RISK CONTROL: It is the "central nervous system" of APEC Trade. It covers all operating strategies, trading signals, interface communications and real-time monitoring of account status. The system will continuously detect technical risks such as abnormal transactions, transaction delays, duplicate signals, API response timeouts, and isolate or forcibly cut off the transaction flow.

In APEC Trade, risk management is not only the gatekeeper of transactions, but also the co-creator of long-term stable profits. We believe that the more advanced the risk control, the more sustainable the benefits.

INTELLIGENT TRADING EXECUTION SYSTEM

INTELLIGENT EXECUTION: COMPLETE JUDGMENT WITHIN MILLISECONDS AND ACHIEVE ACCURATE TRANSACTIONS IN FLUCTUATIONS

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In quantitative trading, strategy signals are just the beginning. What really determines the results is whether these signals can be accurately and quickly converted into high-quality transactions. APEC Trade's intelligent execution system was born for this purpose - a fully automated trading execution engine that covers all varieties, supports multiple strategies, and can be automatically adjusted.

When the strategy model sends a trading signal, the system will instantly judge the current market liquidity, market structure, order depth and volatility intensity, and decide which execution logic to use: whether to force the market price to take the order, limit the price to wait for the transaction, or to split the order, delay the order, and control the slippage. All execution actions are automatically completed by the system at the millisecond level without manual intervention.

For example, in a volatile crypto market, the strategy identifies a buying opportunity. The system will immediately evaluate the order density of the order book. If it is found that a large order may cause the slippage to expand, it will use the "iceberg order" method to place orders in batches, and gradually complete the position building without alarming the market.

WE HAVE BUILT MULTIPLE INTELLIGENT EXECUTION MODULES, INCLUDING:

DYNAMIC ORDER CONTROLLER:
can dynamically adjust the pending order quantity according to liquidity

OPTIMAL PATH MATCHING MODULE (SOR):
find the best transaction combination between multiple exchanges

TIME-WEIGHTED AVERAGE PRICE (TWAP) MODULE:
suitable for large orders to be executed in batches

DELAY DETECTION MECHANISM:
timely identify the blockage of the transaction channel and switch to the backup line

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MORE IMPORTANTLY,
our execution system is not a "one-way command", it has real-time feedback and dynamic error correction capabilities. The price, speed, slippage and market status of each transaction will be recorded and fed back to the strategy end, which will be used to optimize the parameters for the next execution to form a "learning execution".

In APEC Trade, trading is not just "running strategies", but to make every signal have the best landing method. In this world of millisecond-level decision-making, execution speed is life, and execution quality is the winner.

COMPLIANCE AND MSB FINANCIAL LICENSE

COMPLIANCE IS THE UNDERLYING LOGIC OF SUSTAINABLE DEVELOPMENT OF FINANCIAL TECHNOLOGY

In the high-frequency changing financial market, technological innovation is certainly important, but what really determines whether a quantitative trading institution can go steadily and far is the respect and adherence to "compliance". APEC Trade has always adhered to "technology first, compliance-based". From the beginning of its establishment, it has actively connected with the US financial regulatory system and obtained and continued to hold the US MSB (Money Services Business) financial license.

MSB is a special financial service license supervised by the Financial Crimes Enforcement Network (FinCEN) under the US Treasury Department. It is applicable to institutions involved in currency exchange, transfer, crypto asset trading and other businesses. Obtaining this license means that APEC Trade must continue to meet a series of strict compliance requirements, including:

CUSTOMER IDENTITY VERIFICATION (KYC) AND ANTI-MONEY LAUNDERING (AML) SYSTEM CONSTRUCTION

SYSTEM DATA SECURITY ENCRYPTION AND STORAGE BACKUP SPECIFICATIONS

REGULAR COMPLIANCE AUDITS AND RISK ASSESSMENT REPORTS

TRACEABILITY OF SOURCES AND FLOWS OF FUNDS

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We not only regard compliance as a "legal obligation", but also elevate it to a part of corporate culture. Whether it is strategy design, fund management, system deployment or user service, compliance standards always run through every business detail to ensure that the platform's operations around the world are legal and sustainable.

In order to strengthen the protection of customer rights and interests, we have also established:

User fund isolation mechanism: platform operating funds and customer transaction funds are completely separated to avoid mixing

Real-time risk control monitoring system: prevent money laundering, fraud and illegal operations

Legal compliance consulting team: connect with international mainstream jurisdictions and deploy a global compliance network

For APEC Trade, compliance is not only a pass, but also a reputation, a responsibility, and our most basic and solemn commitment to every user.

TRADING SYSTEM SECURITY AND INFRASTRUCTURE

GUARD THE SYSTEM LIKE A BANK VAULT AND RESPOND TO RISKS LIKE A SPECIAL FORCES

If the strategy is the "brain" of APEC Trade and the execution system is the "hands and feet", then the trading infrastructure is the "skeleton and neural network" of this financial nervous system - stable, invisible, but supporting the safe operation of everything.

MULTI-LAYER ARCHITECTURE ENSURES THAT THE SYSTEM IS AS STRESS-RESISTANT AS STEEL
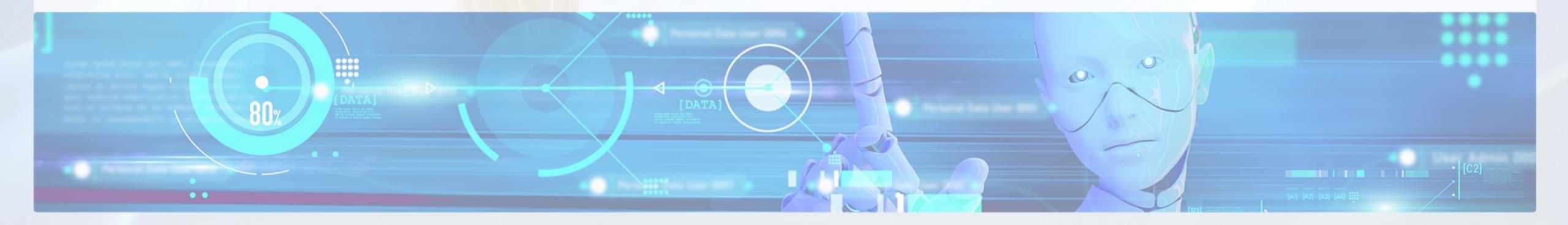
Our system infrastructure adopts a "three-layer architecture + multi-zone redundancy" deployment, corresponding to:

STRATEGY OPERATION LAYER: high-performance computing cluster supports large-scale backtesting and model training

EXECUTION LAYER: Directly connected to global exchanges, with millisecond-level order sending capabilities

DATA LAYER: Independently isolated data storage system with read-write concurrency and intelligent caching mechanism

Each layer has "hot standby" nodes in different regions and deploys a disaster recovery system to ensure that even in the face of server failures or geographical disasters, the system can automatically switch and run seamlessly.

SECURITY MECHANISM, GUARDED FROM THE BOTTOM

At APEC Trade, security has never been a "afterthought function", but a systematic design embedded from the first line of code.

USER SIDE: adopt two-factor authentication (2FA), dynamic authorization login, IP security binding

COMMUNICATION LAYER: full SSL/TLS encrypted transmission to prevent data packets from being intercepted or tampered with

SERVER SIDE: deploy WAF firewall, DDoS protection, real-time intrusion detection system (IDS)

All operations can be traced, and permission management is refined to each interface call and strategy execution permission.

INTELLIGENT MONITORING, LIKE THE "NEURAL REFLEX" OF THE TRADING SYSTEM

The system integrates the real-time intelligent monitoring engine independently developed by APEC Trade, which can automatically detect:

STRATEGY PERFORMANCE DECLINE TREND

ABNORMAL FLUCTUATION OF ACCOUNT FUNDS

API RESPONSE DELAY EXCEEDS THE THRESHOLD

SERVER RESOURCE BOTTLENECK OR EXTERNAL ATTACK BEHAVIOR

Once the risk signs are identified, the system will immediately automatically warn, isolate the module or perform safety circuit breaker protection, forming an "instant response mechanism" like biological neural reflex.

THE UNDERLYING DRIVING FORCE OF CONTINUOUS TECHNOLOGICAL EVOLUTION

OUR SYSTEM DEPLOYMENT IS BASED ON DOCKER + KUBERNETES CONTAINER CLUSTERS, WHICH SUPPORTS RAPID ITERATION AND HOT UPGRADES.

A system security audit is conducted every month, and static code scanning and emergency drills are conducted every quarter to ensure that the system always maintains the optimal state of availability, security, and efficiency.

At APEC Trade, security is not for "looking safe", but for ensuring that customer funds, strategies, and data can be most closely protected, truly achieving: strategies focus on trading, and the system protects everything behind you.

DEVELOPMENT PATH AND FUTURE BLUEPRINT

USING FIVE YEARS AS THE AXIS, DEPICTING THE TECHNOLOGICAL EVOLUTION TRAJECTORY OF GLOBAL QUANTITATIVE TRADING

At APEC Trade, we never leave the future to assumptions, but break it down into phased technical goals, system evolution and market expansion action plans. By building a long-term development path, we not only clearly plan the platform growth logic, but also release a predictable, measurable and achievable quantitative vision for customers, partners and the global market.

2025–2026

TECHNOLOGY DEEPENING AND GLOBAL MULTI-POINT DEPLOYMENT

Expand low-latency nodes to major trading markets in Europe, the Middle East and Southeast Asia

Launch a multi-factor visual backtesting platform to provide users with a customized modeling environment

Complete compliance certification of the platform system in multiple languages, multiple currencies and multiple

Keywords: Global execution capabilities / algorithm visualization / system modularization / regional strategy adaptation

2026–2027

GLOBAL STRATEGY ECOSYSTEM CONSTRUCTION

Launch the "Strategy Store" function to support the listing and use of third-party strategies

Introduce AI-assisted strategy generator to improve the modeling capabilities of small and medium-sized investors

Introduce "adaptive risk control engine" to dynamically control account risk exposure through real-time market status

Carry out strategy co-research plans with institutional clients to expand the boundaries of professional services

Keywords: Strategy open platform / AI-driven / Risk control intelligent upgrade / Service personalization

2027–2029 BUILD A GLOBAL QUANTITATIVE FINANCIAL INFRASTRUCTURE NETWORK

Build an "Infrastructure as a Service" platform for global traders

Access to 40+ trading markets around the world, unified algorithm routing, unified data format, and unified risk control system

Launch index quantitative portfolio products (Quant Index Portfolios) to serve traditional funds to enter the quantitative market

Launch enterprise-level SaaS service modules to promote the digital transformation of medium-sized asset management companies

Keywords: quantitative infrastructure / cross-border access standards / asset standardization / SaaS service output

Long-term vision: Become the world's most trusted and executive quantitative trading platform

We believe that future financial transactions will be driven by data, executed by algorithms, and protected by intelligent risk control. The goal of APEC Trade is not only to participate, but also to lead - through technological innovation, system construction and compliance expansion, to establish a globally reusable, composable and sustainable quantitative trading ecosystem.

We are not predicting the future, but building the future.

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THE FUTURE OF FINANCE ENGINEERED BY PRECISION

WHERE ALGORITHMS MEET OPPORTUNITY

APEC Trade uses data as an engine, models as a language, and a global vision to create a new paradigm of intelligent and compliant quantitative trading.