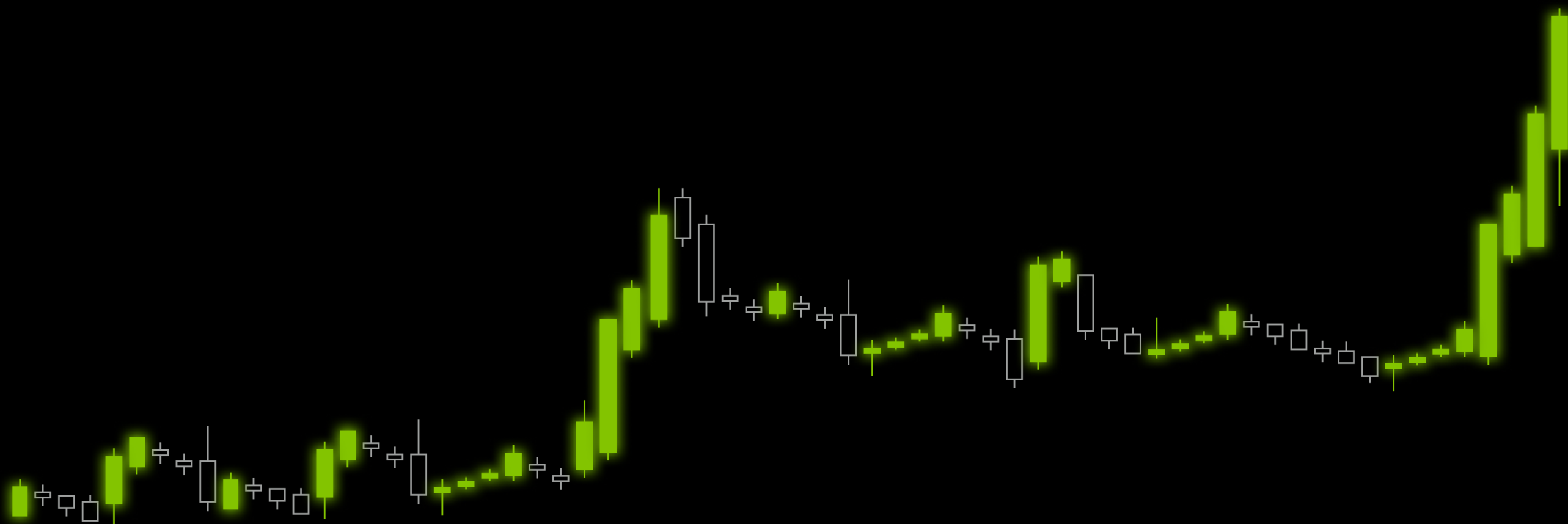


# CMA QUANTUM

Turning market volatility into consistent growth through algorithmic trading technology

by CMA Technologies

Quantitative Trading Solutions



# About CMA Technologies

## Quantitative Trading Excellence

CMA Technologies is a quantitative R&D company focused on algorithmic trading, designing proprietary trading engines for professional investors.



### Trading Portfolio

We design and operate proprietary trading engines: UBS, TCS, PRIME, QUANTUM, EXPO, and more systems.



### Mathematical Mission

Transform capital into production using mathematics, probability, and automation for scalable professional growth.



### QUANTUM System

CMA QUANTUM is our flagship system engineered for scalability, resilience, and professional investor success.

# Problem Statement

## Market Challenges

Global markets are chaotic, volatile, and uncertain, creating significant challenges for traditional investing approaches and consistent returns.



### Emotional Trading

Traditional investing relies on subjective prediction and emotion, leading to inconsistent and unpredictable results.



### Investor Demands

Investors demand sustainable, risk-controlled, and data-driven growth strategies for long-term wealth building.



### Core Challenge

Can we systematically beat randomness with mathematics and create consistent profitable trading systems?



**Markets can't be predicted – but risk can be controlled. QUANTUM  
transforms volatility into growth.**

**— CMA Technologies Philosophy**

CMA QUANTUM isn't gambling – it's industrial-scale trading production. Designed to outperform traditional funds with higher CAGR and lower drawdowns, our system represents the future of quantitative trading where mathematics, not emotions, drive consistent returns.

# Our Solution: CMA QUANTUM



## Automated Trading System

CMA QUANTUM is a fully automated, probability-driven trading system based on over 5 years of research and more than 50,000 executed trades providing deep statistical confidence.

## Multi-Asset Execution

Operates simultaneously on 75 cryptocurrency pairs with every trade being risk-limited, independent, and mathematically repeatable for consistent long-term growth with controlled drawdowns.

# System Overview

**0.25%**

**Risk Per Trade**

## Risk Management

Controlled risk exposure ensures systematic growth through mathematical precision and probability-driven trading decisions.

- Risk per trade limited to 0.25% equity.
- 50× leverage with wide margin buffer protection.
- Independent trades prevent risk compounding issues.

**1:2**

**Reward Risk Ratio**

## Asset Diversification

Comprehensive cryptocurrency coverage provides balanced exposure across multiple market segments and trading opportunities.

- 75 cryptocurrency pairs traded simultaneously daily.
- Diversified portfolio reduces correlation risk exposure.
- Balanced asset allocation across market segments.

**50K+**

**Total Trades**

## Automation Excellence

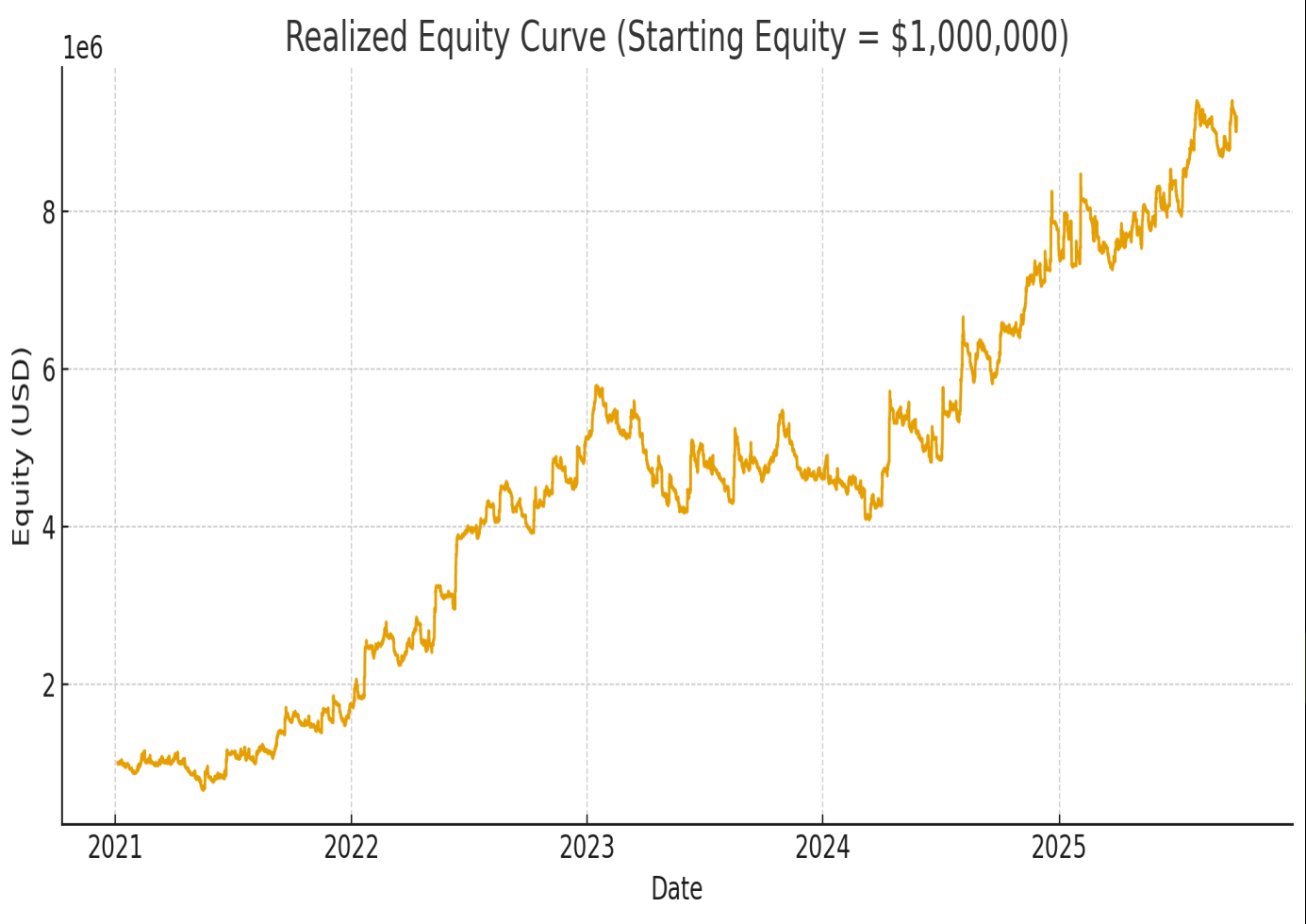
Complete automation eliminates human emotion and error, ensuring consistent execution of mathematical trading strategies.

- 24/7 automated execution without human intervention.
- Mathematically repeatable trading decision process.
- Systematic approach eliminates emotional trading mistakes.

**24/7**

**Execution Time**

# Long-Term Performance



## Starting Capital Growth

Starting equity of \$1,000,000 achieved approximately 8.5× growth over five years of systematic trading.



## Compound Annual Growth

Compound Annual Growth Rate of approximately 52% with portfolio diversification ensuring upward trending performance.

# Risk Metrics

**22%**

**Maximum Drawdown**

## Drawdown Analysis

Maximum drawdown of approximately 22% during test period demonstrates controlled risk exposure with systematic recovery patterns.

- Maximum drawdown remained within acceptable limits.
- Median drawdown typically stays below 10%.
- Historical drawdowns show consistent recovery patterns.

**<10%**

**Median Drawdown**

## Recovery Patterns

Average drawdown recovery occurs within weeks, not months, demonstrating the system's resilience and mathematical structure.

- Quick recovery times minimize capital downtime.
- Systematic approach ensures predictable recovery patterns.
- Mathematical structure supports consistent bounce-back.

**Weeks**

**Recovery Time**

**100%**

**Risk Control**

## Risk Control

Controlled exposure ensures that risk never compounds uncontrollably, maintaining systematic growth through all market conditions.

- Risk exposure never compounds beyond limits.
- Systematic controls prevent catastrophic losses.
- Mathematical safeguards maintain portfolio stability.

# Risk-Adjusted Returns

1.4

Sharpe Ratio

2.0

Sortino Ratio

1.55

Profit Factor

2.3

MAR Ratio

## Performance Ratios

Sharpe ratio of 1.4 and Sortino ratio of 2.0 demonstrate superior risk-adjusted returns compared to traditional investments.

- Rolling 6-12 month Sharpe ratio of 1.4.
- Sortino ratio of 2.0 shows downside protection.
- Consistent outperformance across multiple time frames.

## Profitability Analysis

Profit factor of 1.55 indicates strong profitability with MAR ratio of 2.3 showing excellent return-to-risk balance.

- Profit factor demonstrates consistent profitability margins.
- MAR ratio shows superior return-to-drawdown performance.
- Strong risk-reward balance across all metrics.

## Industry Comparison

These metrics significantly exceed typical hedge fund standards, demonstrating the mathematical advantage of QUANTUM system.

- Performance exceeds typical hedge fund benchmarks.
- Superior risk-adjusted returns across all measures.
- Mathematical edge provides consistent outperformance.

# Statistical Robustness & Consistency



## Statistical Confidence

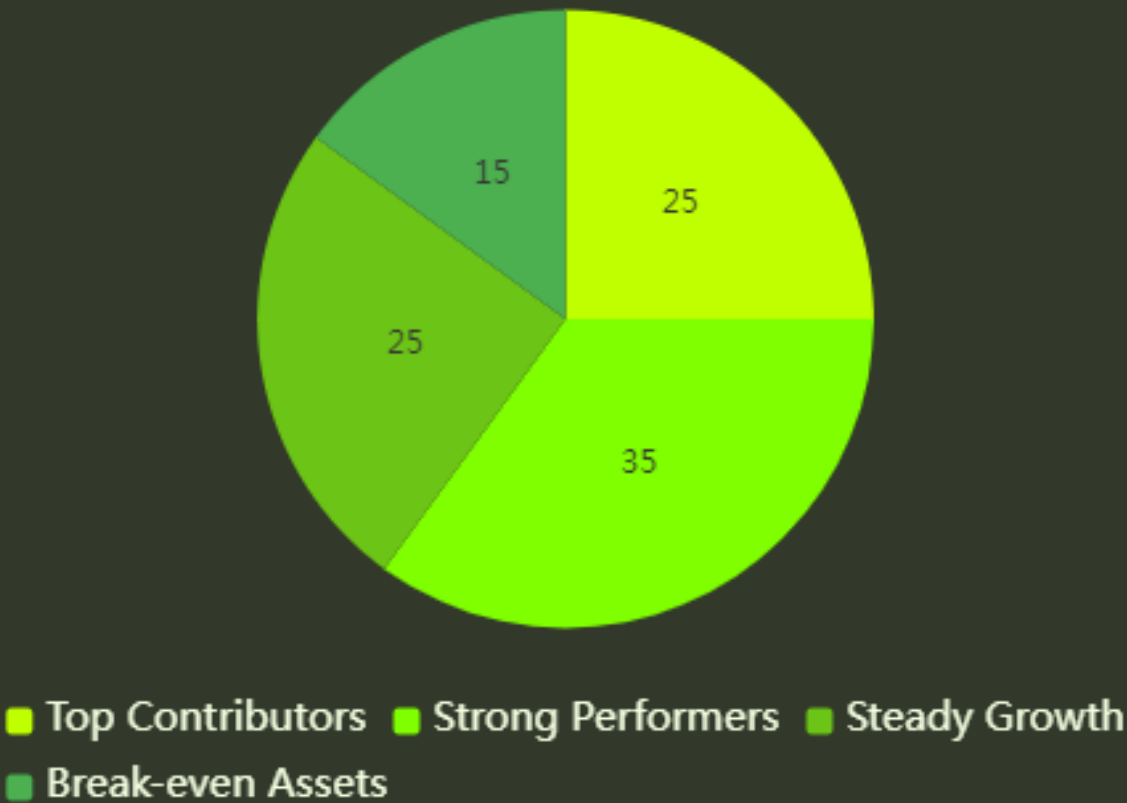
Over 50,000 trades executed provide deep statistical confidence. System is built on asymmetric returns, risking 1 unit to gain 2 units with mathematical precision.

## Law of Large Numbers

Large trade count ensures results are probability-driven, not luck-driven. QUANTUM's strength lies in its mathematical structure, not chance outcomes or market predictions.

# Coin-Level Contribution Analysis

Portfolio Distribution Across Assets



## Diversification Benefits

Diversification across 75 coins reduces correlation risk and creates a self-balancing portfolio system that optimizes performance through mathematical distribution principles.

- Top contributors drive strong overall profitability.
- Underperformers absorbed without hurting long-term growth.
- QUANTUM acts as self-balancing portfolio system.

# Key Advantages of CMA QUANTUM

## Mathematical Edge & Diversification

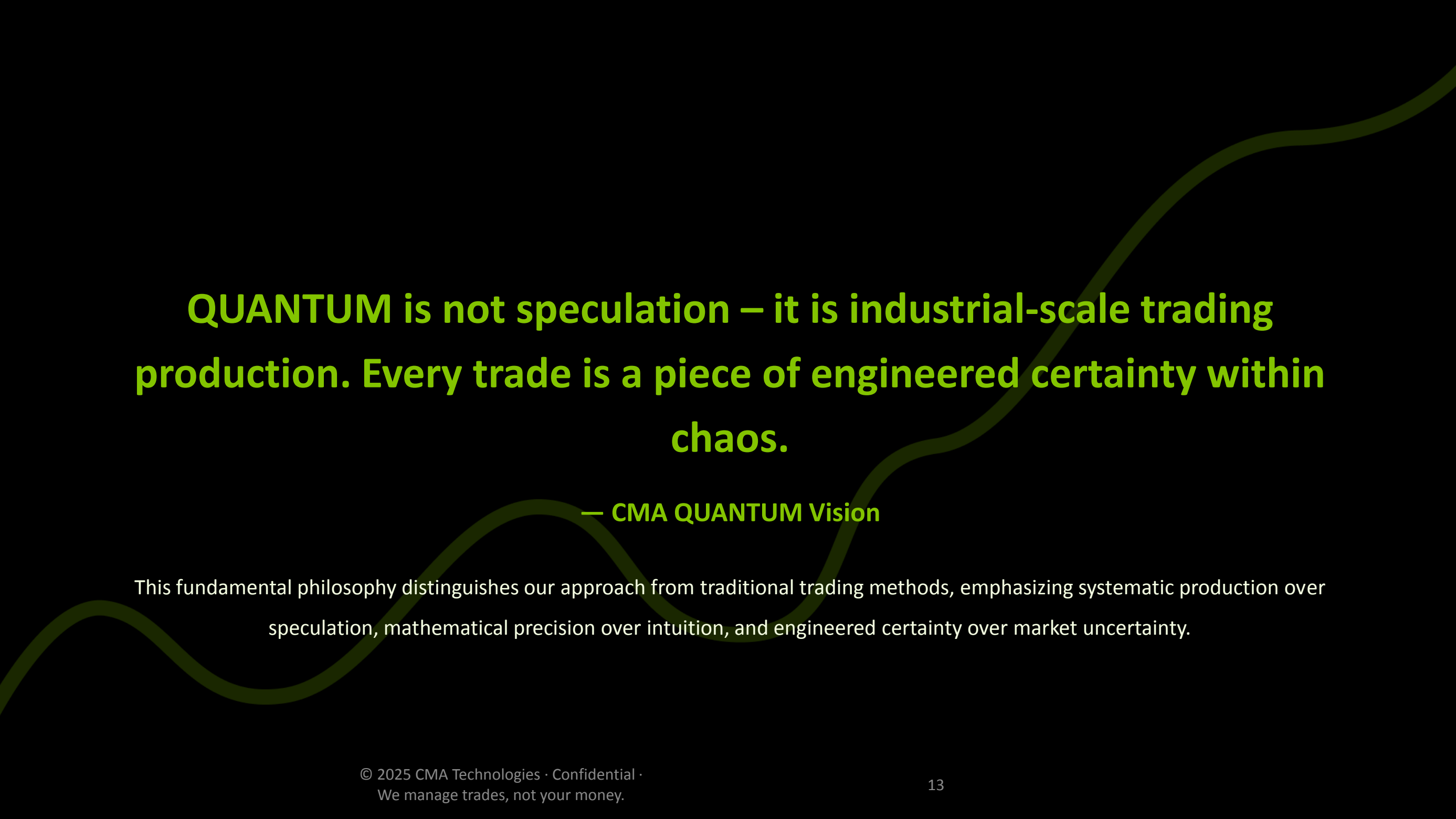
Pure probability-based trading without predictions, combined with comprehensive diversification across 75 coins and 50,000 trades for distributed risk management.

- Mathematical edge eliminates subjective predictions and emotional trading decisions completely.
- Diversification across 75 coins reduces correlation risk and market exposure significantly.
- 50,000 trades provide distributed risk across multiple market conditions and timeframes.

## Scalability & Transparency

Proven scalability and complete transparency with investors maintaining full control over their funds while benefiting from systematic growth strategies.

- Scalability proven on \$1M capital, easily adaptable to \$10M+ investment levels.
- Complete transparency with investors keeping funds in their own exchange accounts.
- Consistency through continuous compounding rather than speculative betting or gambling approaches.



**QUANTUM is not speculation – it is industrial-scale trading production. Every trade is a piece of engineered certainty within chaos.**

**— CMA QUANTUM Vision**

This fundamental philosophy distinguishes our approach from traditional trading methods, emphasizing systematic production over speculation, mathematical precision over intuition, and engineered certainty over market uncertainty.

# Call to Action



## Partnership Model

We manage trades, not your money. Investors keep full control of their funds while CMA QUANTUM executes the trading logic with performance-based fee structure ensuring aligned interests and mutual success.

## Contact Information

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Address: 1910 Thomes Avenue, Cheyenne, WY 82001, USA | Ready to transform your investment approach with systematic trading.