

A blurred background image of a horse race. Several horses and jockeys are visible, competing on a grass track. The jockeys are wearing colorful silks, including green and yellow. The image is out of focus, emphasizing the text overlay.

Quant Sports Trading Ltd

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## *Systematic Alpha in Sports Markets*

The application of institutional-grade algorithmic trading  
to global sports betting markets

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## 1. Opportunity -> Solution -> Proof of Capability

### ➤ Opportunity:

- Sports betting markets remain inefficient.
- Mispricing opportunities exist driven by retail liquidity and behavioral biases.
- Lack of algorithmic-trading adoption on sports exchanges creates asymmetric opportunity.

### ➤ Solution:

- Fully automated systematic trading platform written in Python.
- Fully controlled via gap, over-round and spread trade constraints.
- Zero-touch execution, market-making and directional strategies.
- Extensive trading indicators.
- A custom back test environment utilising MongoDB infrastructure.
- ML-ready architecture for future model integration.

### ➤ Proof of Capability:

- Live trading platform.
- Thousands of live trades executed with real-time console monitoring.
- <150ms average trade latency.
- Multi-market, latency-calibrated and sequential back test capability at x50 speed. An excellent proxy for live.
- Monte Carlo simulations for scientifically based assessment.
- Partnership with UCL supporting calibration and research roadmap.

## 2. Moat -> Scientific Process

### ➤ Moat:

- Proprietary high-frequency data ingestion pipeline.
- Event-mapped, version-controlled historical data archive.
- Significant engineering barrier for replication.

### ➤ Process:

- Hypothesis-driven strategy development and validation.
- Walk forward testing and stochastic falsification.
- Strategy S101 (85% return over 100's of trades) rejected due to lack of profitability.
- Scientific integrity and safety-first approach to underpin all deployments.



### 3. Roadmap -> Capacity for Scale

➤ **Roadmap:**

- Q2–Q3 2025: Scale trading capital, onboard additional exchanges
- Q3–Q4 2025: Commence machine learning model research & integration, launch new sport verticals.
- Q1 2026: Deploy additional execution models, enhance monitoring.
- Develop strategy vault with tagging, confidence scoring, and fallback logic

➤ **Capacity For Scale:**

- Modular infrastructure allows multi-sport and geographical scaling.
- High-throughput, real-time systems built for extensibility.
- Scalability roadmap includes full global expansion into horse racing markets outside GB&I (e.g., U.S., Australia, Hong Kong) and structured deployment across football, tennis, basketball, and other high-volume sports.
- Each strategy is unique, can be deployed multiple times both pre-game and in-game and is independently monitored enabling distributed execution at scale.

#### 4. Risks -> Team Strength

- **Key Risk:** Inability to find a sufficiently profitable edge in new sports.
- **Mitigation:** The core challenge lies in sustaining alpha, not simply building infrastructure. The team applies a falsification-first scientific with continuous validation to minimise false positives.
- **Risk:** Data instability or latency.
- **Mitigation:** Proven infrastructure with redundancy and fallback logic including pre-trade validation and failover protocols.
- **Team:**
  - [Name], CEO — Former hedge fund PM, built systematic equity strategies managing 9-figure portfolios.
  - [Name], CTO — Quant engineer with deep experience in low-latency infrastructure and distributed model execution.
  - UCL research collaboration + advisory board
  - To hire: Quant Developers, researchers, DevOps, Data Partnerships Lead

## 5. Capital Requirement

**Raise:** £1M seed round

**Instruments:** Equity with optional revenue share or fund SPV conversion.

**Valuation:** [Our current valuation??]

### **Deployment of Funds:**

- 60% for quant research and ML model development.
- 20% for acquisition of premium global data sources.
- 10% for infrastructure, monitoring, and cloud operations.
- 5% for live trading capital to scale throughput.
- 5% for legal, compliance, and contingency.

**We aim to build the world's leading algorithmic trading platform scalable both geographically and across multiple sports.**

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