AI RESEARCH LAB / QUANTITATIVE TRADING

Collective intelligence.

Models that learn to coordinate.

MASSTEC is an AI research lab working on collective intelligence: populations of specialized models, trained independently with reinforcement learning and evaluated against each other in multi-agent market simulation. We apply that research to quantitative trading. Every swarm passes offline evaluation and simulation before live inference, and live swarms are coordinated across the book, each kept distinct.

FOUR ENVIRONMENTS / THREE GATES

01	Training	Agents trained independently on narrow objectives, composed into swarms around a mandate.
02	Offline	Scored on held-out market data, excluded from training. Hypothetical.
03	Simulation	A multi-agent market that reacts to the swarm. Hypothetical; nothing at risk.
04	Inference	Swarms that pass both gates, coordinated across the book.

SIMULATION ≠ EXECUTION

Offline evaluation measures generalization on held-out data. Simulation tests a swarm against a market that reacts. Neither puts capital at risk, and neither is live trading.

TRAINING OFFLINE SIMULATED LIVE

IMPORTANT INFORMATION

This briefing describes MASSTEC's research and trading approach. It is not an offer or solicitation to buy or sell any security or investment service. Imagery is a conceptual illustration, not market data or results. Results from offline evaluation and simulation are hypothetical and differ from live trading.