

CUSTOMER SUCCESS

Customer

Trading group based in the San Francisco Bay Area

Challenges

Accelerating and improving its technical analysis

Market structure indicators are fundamental tools for technical analysis. Analysts use them to track market breadth, volume, order flow, etc. Key data displayed include trend lines, moving averages, order flow, and etc. Diverging indicators may signal a change to market momentum, and being early to spot this change is the goal of technical analysis. For the group's analysts, they turned to technology to help them accelerate and simplify their ability to spot these changes..

Why Quantum4D

The group chose Quantum4D for its unique 3D data visualization and animation capability. While Quantum4D provides scatter plots, bar graphs, etc., its unique ability to aggregate multiple market structure indicators, and render them in 3D within a single workspace for viewing is a key improvement over the current presentation methods.

Results

The traders are leveraging **Quantum4D's** unique dynamic 3D visualization capability to gain invaluable insights into the market structure dynamics. With the assistance of **Quantum4D**, the organization reduced the number of screens on their traders and analysts' desktops by building consolidated views of relevant indicators into a single interactive 3D workspace. Traders and analysts can now spot when key indicators diverge faster. For organizations involved in markets, the ability to see a holistic, dynamic view of market and spot momentum shifts faster are key to better trading intelligence and bottom line.

“Quantum4D’s ability to help us consolidate multiple market indicators screens into a single interactive 3D view simplifies and accelerates technical analysis for our traders. Our traders are able to see key market events faster and that translates to making better and timely trading decisions which is key for a hedge fund like us.”

Head of Trading, Fund A

Market Dashboards

Quantum4D can be leveraged by the full spectrum of market participants, from casual market investors to power quant users. Indeed, the Enterprise Edition can facilitate communication between researchers, traders, quants, and sales desks.

Accurate Real-time Data Simulation

Whether you are designing or exploring potential trade strategies, **Quantum4D's** real-time data visual analytics lets you see exactly where issues stand in the 'big picture' of total markets. This allows for an unprecedented visual mining of opportunities.

Sample Applications

This platform changes the way you see markets. It opens a whole new frontier for insight exploration and discovery. Here are a few application scenarios in which Quantum4D is enhancing:

- Exchange data (equities, commodities, fixed income, derivatives, FX)
- Total market & sector views (mutual funds, ETFs, markets)
- Equities: Virtual trade floors (exchange product)
- Cross-rate currency analysis (beyond triangular arbitrage)
- Multi-asset portfolio analysis
- "Glassbox" strategies
- Pegging: Market participant activity & fund holdings (NQs / MorningStar)
- Porter's Five Factors (suppliers, competitors, customers, etc.)
- Event analysis
- Market path makers & order book depth

Countless combinations and connections between above and any other feeds, formulas, can be built on the fly by non-technical users.

“The Quantum4D interface is unlike any reporting tool we have ever seen before...”

Mr. Smith, Traffic Analysis, Fund A