



Consolidated Multi-factorial Surveillance **tailored for Foreign Exchange**

THE KX ADVANTAGE

- Data model supporting FX Spot, Forward, Swap, NDF/S, FX Options and Crypto Currencies.
- Extensive library of scenarios for detecting market misconduct, supporting FX Global Code, MIFIR, MIFiD II and MAR
- eComms monitoring module including flexible NLP.
- Easily modified to keep pace with best-practice trading surveillance techniques
- Comprehensive workflow, case management and reporting.
- Configure to your own requirements from analytics to models to workflow and reporting.

Banks, brokers, exchanges and regulators around the globe are increasingly turning to KX for a more dynamic approach to gaining insight into the behavior of multiple focus points including traders, clients, brokers, market participants and of increasing importance real-time monitoring of algorithms. Built on technology chosen by top global banks for their high frequency trading systems, KX Surveillance solutions are designed in collaboration with market participants to give analysts and business users a comprehensive view of relevant market activity.

Unique challenges for KX FX Surveillance:

- Lack of a centralized market place
- 24 x 5.5 operation
- Inconsistent liquidity across currency pairs
- No centralized source of market data

The KX platform captures and analyses massive amounts of information at the most granular level, consolidating FX trading data across disparate, industry-wide platforms plus internalized data including trades, quotes, orders, and market data - all on a single platform. Delivered with a complete library of models, scenarios include collusion, benchmark manipulation, front running, excessive markup alerts and last look in alignment with the FX Global Code. New models can be added and easily incorporated into the comprehensive alert, workflow and case management infrastructure with full contextualized investigation tools.

The solution is built on a comprehensive data management platform that ingests, validates and consolidates data centrally for consistent and correlated reuse across the enterprise and enabling it to be augmented with traditional and machine learning analytics. Flexible visualization dashboards along with scenario-specific views, such as market replay, used to reconstruct trading history, keep relevant data at analysts' fingertips. KX FX Surveillance is highly flexible, allowing new models, risk scoring techniques and visualisation of risks to be implemented either by the client or by KX and can be deployed on-Prem or in the Cloud.

For more information please contact: sales@KX.com or visit www.KX.com

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EASY ACCESS TO DATA

Organizations that use KX FX Surveillance are able to unlock trading data previously siloed in disparate industry-wide platforms. These large-scale datasets are typically not easily accessed by business users. KX is built on a unique database which brings vast amounts of data directly to the business user, opening the door for a consolidated view of trading and insights across the enterprise.

DYNAMIC ALERTS FRAMEWORK AND DATA DRIVEN BENCHMARKS

Alerts Framework is a powerful and highly flexible engine using both real-time and Historical data. Alerts are generated by analyzing events using out of the box or user defined models with configurable parameters. The Benchmark Framework automatically updates parameters within certain alert scenarios based upon region, product, trader etc. significantly reducing the operational overhead of configuring for different markets or regions.

BROAD REGULATORY COVERAGE

KX scenarios are tested and proven over many years in some of the most challenging compliance environments. We have developed an extensive library of scenarios for detecting and alerting in potential cases of market abuse. Using KX scenarios, our customers have improved their enforcement results across the board with many reporting that the time taken to conduct investigations into trading breaches has been reduced from months to minutes.

CASE MANAGEMENT

KX has a flexible workflow tool to cater to your organization's surveillance business processes. This case management framework allows clients to easily customize their alerts and case management workflows, capturing additional key information such as emails, announcements or any other relevant files.

IMPROVED ACCURACY AND REDUCED FALSE POSITIVES

Regulators and bank compliance departments are dealing with ever increasing volumes of complex trading data which makes identifying anomalies difficult. With KX it is possible to backtest many years of trading data to efficiently calibrate scenarios together with increased use of machine learning to maximize detection of irregular behaviour whilst minimizing false positives.

ENHANCED SURVEILLANCE

Traditional surveillance techniques are based on monitoring and alerts for individual incidents of market abuse, which upon further review may lead to wider investigations, referred to as a bottom-up fundamental approach. Because KX has the capability to look at vast amounts of data to find anomalies, business users can use a thematic top-down approach, which gives broader intelligence for monitoring market abuse.