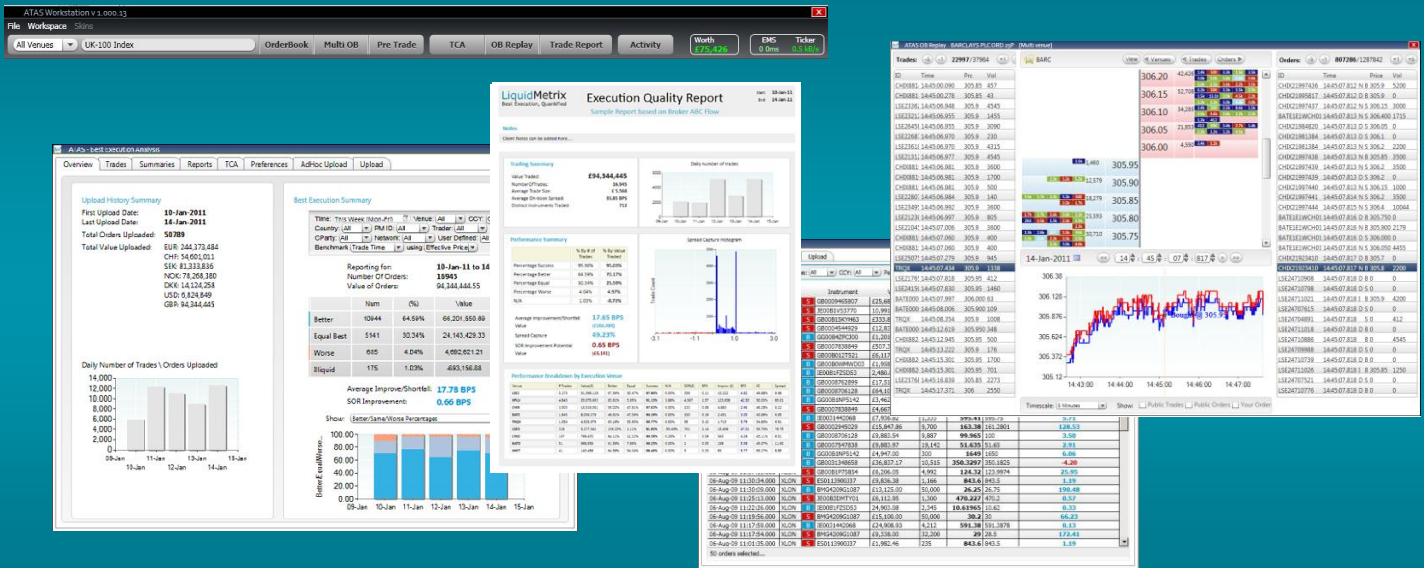


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# LiquidMetrix WorkStation POST TRADE ANALYTICS



Execution Quality Analysis

Transaction Cost Analysis

Order Book Replay

## WHAT CAN I USE IT FOR?

- Monitor and assess the quality of your execution strategies across different trading venues, taking realistic account of market data and **trading latencies**.
- Meet your best execution obligations with a simple to use and effective **compliance tool**.
- Check that 3<sup>rd</sup> party brokers are executing your trades effectively and compare their performance.
- If you are acting in an agency capacity, generate comprehensive and **independent performance reports** for your clients.
- **Validate your SOR** by checking if it's accessing the best prices.

## FEATURES

- Generate Best Execution **outlier reports** to identify trades that missed best price.
- Drill-down to analyse exact market conditions and **replay consolidated order books** around the time of your trade.
- Analyse **aggregate execution performance** and 'slice & dice' your data across standard and custom criteria (trading network, broker, trading desk, fund manager, algo, client etc).
- Quickly import trades to receive benchmark statistics straight to your desktop.
- The LiquidMetrix WorkStation gives you access to IFS dedicated LiquidMetrix trade and order book database covering over 20 European venues with millisecond accurate Level 3 market data.

# LiquidMetric WorkStation



## HOW DOES IT WORK

### STEP 1: Import

- Use the **flexible import tool** to load your trades/orders for analysis. Alternatively FTP a daily file with your trades to LiquidMetric.
- Your trades will be benchmarked against the LiquidMetric **100+ TB European database** of full depth order books and trades.
- 30+ different benchmarks are calculated suitable for both single trades and large multi-fill orders.

### STEP 2: Analysis

- Filter your trades to look for best execution outliers or high cost trades.
- Drill-down to see market conditions around the time of your trade and find out which venues offered better prices.
- Go a stage further and step order-by-order through full consolidated European order books around the time of your trade.
- Print out best execution reports for single trades that can be sent to traders / clients.

### STEP 3: Reporting

- Analyse your overall trading performance by slicing and dicing on a number of criteria such as broker, time of day, on-book spread, deal size, venue, trading strategy, etc.
- See the percentage of time you equalled or beat the market or how often you could have improved your prices.
- Where price improvements are possible, print out a detailed Execution Quality report showing which venues would have offered you the best improvement based on your order flow.
- Check that your Smart Order Router is really sending your orders to the best venues.
- Evaluate whether new trading venues could provide you with meaningful benefits.
- If using **dark pools**, evaluate the price improvement you achieve relative to EBBO and discover if you suffer from adverse selection.

The screenshot displays the LiquidMetric WorkStation interface with several key components:

- EVA Report Summary:** A table showing trading performance for 04-Jan-2010. Key metrics include:
 

Number of Trades	Value Traded	% At Best	Total Potential Gains
18380	£ 108,542,840.87	87.82%	£ 12,880.62 (1.19 BPS)
- Venue Breakdown:** A bar chart showing the percentage of trades that could be improved (12.18%) and potential improvement in £ by venue. Venues include NURO, TRQX, BATE, CHIX, and LSE2.
- ATAS Overview:** A table listing various trades with columns for Time, Venue, Instrument, and Price. It highlights trades from venues like BUREBURY GROUP PLC, SAGE GROUP PLC, and LONDON STOCK EXCHANGE.
- Best Execution Report:** A detailed report for a trade in BUREBURY GROUP PLC ORD O.D.S.P. It compares the actual trade price (1.1680) against a benchmark (1.1670) and lists alternative venues and prices.
- Order Book:** A visualization of the order book for a specific instrument, showing bid and ask orders with their respective prices and quantities.
- Execution Quality Report:** A comprehensive report based on a broker's ABC flow. It includes:
  - Trading Summary:** Total value of 694,344,445, average trade size of 1,508 BPS, and 713 distinct instruments.
  - Performance Summary:** Metrics such as Average Improvement/Order Value (37.65 BPS), Spread Capture (69.23%), and SOR Improvement Potential (0.65 BPS).
  - Performance Breakdown by Execution Venue:** A table comparing performance across various venues like BUREBURY GROUP, SAGE GROUP, and NATIONAL STOCK EXCHANGE.