



Futures Algorithmic Trading Capabilities and Offering

Our Futures Algorithmic Trading Platform offers innovative low latency strategies, combined with a high-touch trading desk, to help clients achieve execution objectives.

Key Differentiators



Thoughtfully Designed

Built from scratch for Futures instead of replicated from Equity algos



Tailored Strategies

Tailored towards client execution objectives and applies Custom Order-Placement Model



Insightful Reporting

Custom TCA-detailed order level and aggregate transaction cost analytics to understand and optimize execution behavior



Dedicated Customer Service

Desk Intelligence supports execution algos

Strategies that Support Futures Trading

Implementation Shortfall (IS)

- Targets the arrival price and attempts to optimize market impact against opportunity cost tradeoff by intelligent order placement and short-term microstructure indicators
- Intelligent, selective front-loaded trajectory to reduce risk and capture short-term price reversion
- Algo selects optimal duration for execution to reduce risk
- Client controlled urgency parameter to control algo aggressiveness

VWAP/TWAP

- Enables custom volume profiles, real-time microstructure indicators to drive execution behavior
- Discretion around trajectory to provide room to work passively and opportunistically get ahead

POV

- Tracks intra-day volume to trade in-line with market volume
- Provides discretion around trajectory (either as a function of order size or % of participation rate) to provide room to work passively and opportunistically get ahead
- Maintains ability to specify the Target, Min, and Max Participation Rates

Markets Access¹

CBOT. CME. COMEX. ICE US. MTL. NYMEX.

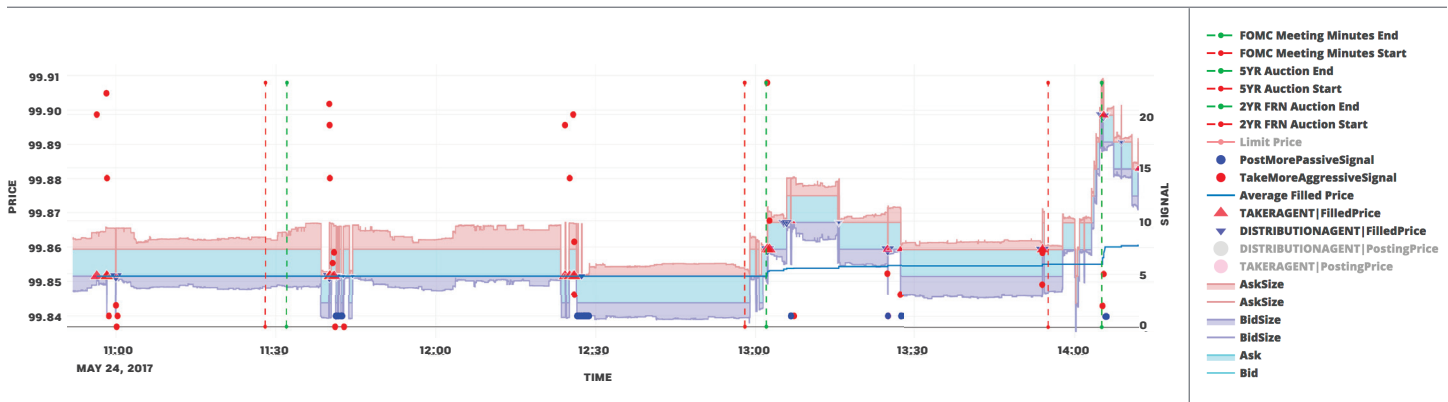
Products Supported¹

Commodities. Currencies. Energy. Equity Index. Rates. STIR.

EMS Vendors Access

Aladdin. Bloomberg EMSX. Fidessa. FlexTrade. InfoReach. Neovest. Portware. REDI. Realtick. Silexx.

FIGURE 1 – PRICE OVER TIME EXAMPLE



Sample Order-level TCA - Order plot shows a Buy Order for a Treasury Contract. Shaded blue area represents the bid/ask along with the market size. Triangles denote fills. Vertical lines represent macroeconomic events that the Algorithmic Strategy was aware of during the execution and altered its behavior in response to.

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RBC CM Key Facts

- 2016 total revenue \$5.95 billion
- 2016 net income \$1.7 billion
- Top 10 global investment bank 2011 to 2016²

Our Global Presence

With 70 offices in 15 countries, our team of over 7,200 professionals ensures that clients receive the advice, products, and services their businesses need.

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1 RBC Proprietary Algos are supported on a subset of all the markets/products that RBC Futures can service.
2 Dealogic, based on total deals closed in calendar years 2010-2015

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