

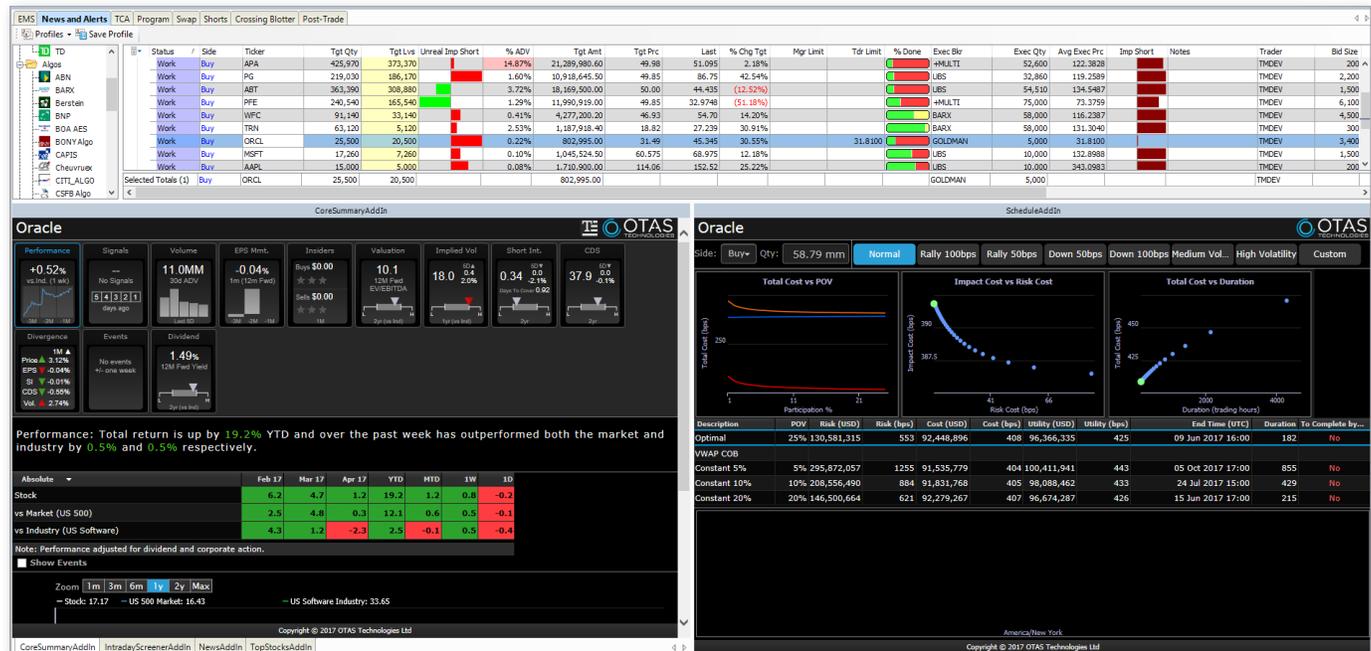
Trade Decision Support with OTAS Analytics in Charles River

OTAS global equity trading analytics helps improve trader efficiency by providing extensive decision support and data visualization capabilities directly within the Charles River Order and Execution Management System (OEMS).

OTAS applets provide traders with continuously updated and context-sensitive information for their orders, positions and securities. Adding OTAS applets to Charles River's OEMS improves trading decisions while ensuring transparency, auditability and regulatory reporting, helping traders minimize potential compliance violations. OTAS's trade analytics are available as a separately licensed add-in to Charles River's OEMS.

Traders use OTAS to:

- Helps to minimize trading costs by determining when to speed up or slow down a trade
- Understand risk concentrations on their blotter or across the entire trading desk
- Receive notifications when OTAS detects off-exchange volume in their trades
- Trigger trade entry and exit signals based on a range of popular indicators



Context-sensitive OTAS Trading Analytics embedded in the Charles River OEMS help traders make more informed trading decisions and reduce transaction costs.

OTAS Trading Analytics Applets

- **Microstructure: Price:** Provides real-time comparisons of stock trading to expected and predicted values, covering price versus a basket of high correlated equities. **Volume:** Actual and predicted volume, liquidity at best bid and ask price, and breakdowns of volume between buyers and sellers.
- **Live Alert Panel:** Highlights exceptional occurrences in stock volume, return, liquidity and spread, helping traders adapt to changing market conditions.
- **The Optimal Schedule:** Provides a tailored trading profile for an individual equity, identifying when to increase participation and when to remain passive. The charts produced by the applet show recommended participation rates by time of day, and update dynamically to changing market conditions.
- **Intrade Performance:** Traders can benchmark their in-trade performance, using Price Weighted Participation, VWAP, and Arrival Price.

Why Use OTAS Trading Analytics?



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CHARLES RIVER DEVELOPMENT, A STATE STREET COMPANY

Charles River enables sound and efficient investing across all asset classes. Investment firms in more than 40 countries use Charles River IMS to manage more than US\$25 Trillion in assets in the institutional investment, wealth management and hedge fund industries. Our Software as a Service-based solution (SaaS) is designed to automate and simplify investment management on a single platform - from portfolio management and risk analytics through trading and post-trade settlement, with integrated compliance and managed data throughout. Headquartered in Burlington, Massachusetts, we support clients globally with more than 750 employees in 11 regional offices. CRD.COM

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