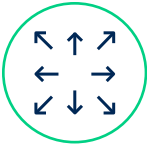




Accessing Liquidity in Global Derivatives with Charles River and OTCX

A significant number of interest rate derivatives are still traded via voice, chat or email despite the associated risk of manual errors. OTCX provides Charles River clients with the ability to seamlessly discover prices and negotiate interest rate swaps, overnight index swaps, inflation swaps, and cross currency (basis or fix-fix) across G10 and EM currencies from Charles River's Order and Execution Management System ([OEMS](#)).

OTCX provides a bilateral workflow solution for price discovery and negotiation of OTC derivatives and structured products. With its intuitive user interface, buy side firms can seamlessly communicate their trading interest with their respective Liquidity Providers in a structured format.



Product Coverage

- Interest Rate Swap across 30+ currencies (spot, forward, broken tenor, MMS)
- OIS, FRA, FRA vs OIS
- Basis, Xccy (float-float, fix-float, fix-fix)
- Inflation, TRS, ASW
- Swaptions (spot, mid-curve), Caps/Floors



Key Benefits

- Streamline new risk and portfolio operations for off MTF / SEF products
- Designed to reduce trading errors with economic terms fully defined and highlighted off market conventions
- Comprehensive analytics and audit trails to assist trading decisions, best execution, TCA and regulatory reporting
- Leverage extensive pricing and booking APIs to achieve straight-through-processing



Risk and Portfolio Management

- Pre-allocate trades across multiple accounts
- A single blotter to manage all enquiries
- One or two-way price discovery and negotiation
- Package multiple instruments into one package
- Manage re-coupons, unwinds, rolls and compressions



Pre-Trade, In-Trade and Post-Trade Analytics

- Model overall DV01 and associated NPV
- Dealers ranking based on hit ratios
- Transaction cost analysis and best execution
- Analysis on spreads, slippage, response times
- Dealer performance reports



Control Operational Risk

- Setup blotters per desk with specific user rights
- Manage risk limits per instrument / currency / size
- Maintain dealer restrictions per account
- Automated recap e-mails
- Access historical audit trails including chats

OTCX

OTCX provides a bilateral workflow solution for price discovery and negotiation of OTC derivatives and structured products. With its intuitive user interface, buy side firms can seamlessly communicate their trading interest with their respective Liquidity Providers in a structured format. The platform's flexible trade capture, wide range of trading formats and extensive APIs set new standards in OTC trading, and remove the dependency on manual processes and fragmented audit trails. OTCX will help you leverage your trading workflows through powerful pre-trade, in-trade and post-trade analytics. We are transforming OTC Derivative trading. Learn more at www.otcxtrading.com.

Charles River Development, A State Street Company

Investment firms, asset owners, wealth managers, hedge funds and insurers in more than 30 countries rely on Charles River's front and middle office investment management platform to manage nearly US\$48 Trillion in assets. Together with State Street's middle and back office capabilities, Charles River's cloud-deployed software technology forms the foundation of State Street Alpha™. The Charles River Investment Management Solution (Charles River IMS) is designed to automate and simplify the institutional investment process across asset classes, from portfolio management and risk analytics through trading and post-trade settlement, with integrated compliance and managed data throughout. Charles River's growing partner ecosystem enables clients to seamlessly access external data and analytics, applications and liquidity venues that support the demands of their product and asset class mix. Headquartered in Burlington, Massachusetts, we serve clients globally with more than 1,250 employees in 11 regional offices. (Statistics as of Q4 2022) Learn more at www.crd.com

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** Assets under management as of December 31, 2022 includes approximately \$59 billion of assets with respect to SPDR® products for which State Street Global Advisors Funds Distributors, LLC (SSGA FD) acts solely as the marketing agent. SSGA FD and State Street Global Advisors are affiliated.*

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