

## Certified Service Bureaus and Software Providers

NASDAQ has certified that the following NASDAQ service bureaus provide a quality and robust options platform and have the connectivity and functionality to provide NASDAQ market making and/or order-entry functionality for The NASDAQ Options Market.

### SunGard Global Trading

SunGard Global Trading (formerly GL TRADE) is a leading Independent Software Vendor. SunGard Global Trading provides a wide range of solutions and services with dedicated pools of experts from order management, risk and execution to clearing and settlement in derivatives, securities and capital markets activities. SunGard Global Trading's order management and execution solution supports around-the-clock, multi-asset (equity, options, futures, and FX) and international trading with access to 135 markets worldwide. Significant investment in Research and Development coupled with highly skilled staff allows SunGard Global Trading to respond to client needs and market changes.

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[www.sungard.com/globaltrading](http://www.sungard.com/globaltrading)



### Goldman Sachs

Goldman Sachs Electronic Trading offers equities, options, futures, and synthetics algorithmic strategies across North America, Europe and Asia. Goldman Sachs has been committed to electronic options trading for nearly 10 years and executes over 1 million U.S. options contracts each day. In addition to four liquidity-seeking options algorithms, clients can take advantage of SIGMA smart routing, sweeping functionality with Prowler, connectivity to all seven U.S. options exchanges, and complex order types, including butterflies, straddles, strangles and custom strategies. Additionally, Goldman Sachs recently introduced connectivity to several European options exchanges. Clients can access Goldman Sachs electronic options capabilities via REDIPlus, its award-winning Execution Management System, or via FIX.

+1 212 357 4255 | [www.redi.com](http://www.redi.com)



### LiquidPoint

The LiquidPoint solution for professional options traders — the Hybrid Execution and Trading system (HEAT™) — combines sophisticated trading tools with superior execution and outstanding customer support. LiquidPoint provides both electronic trading technology and order execution services to deliver a state-of-the-art front end for options analytics and trading, a FIX compliant algorithmic server for model-driven trading and FIX compliant low-latency Direct Market Access for trading on all U.S. options exchanges. LiquidPoint, LLC, is a listed options execution and trading technology firm and a member company of BNY ConvergeEx Group, a leading provider of global agency brokerage and invest technology solutions.

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### Orc Software

Orc Software is a leading global provider of technology for advanced derivatives trading and connectivity.

Orc Software's solutions for trading include Orc Liquidator, an algorithmic derivatives trading platform; Orc Trader, an advanced derivatives trading solution and CameronFIX, the number one FIX connectivity solution. Orc Software's customers include leading investment banks, trading and market-making firms, exchanges, brokerage houses, institutional investors, hedge funds and software vendors. Orc Software has offices in London, Milan, Stockholm, Amsterdam, Frankfurt, Moscow, St Petersburg, Vienna, Zurich, Chicago, New York, Toronto, Hong Kong and Sydney.

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## Kingland Systems

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Kingland Systems is a trusted provider of innovative



solutions, solving some of today's most challenging software, data and technology problems. As a full service firm, Kingland offers a range of custom solutions, managed services and consulting leveraging more than 15 years of financial services experience. Clients rely on Kingland Systems for expertise managing problems involving rapid or accelerated schedule, large-scale or international deployment, securities or entity reference data, risk management and compliance automation, and a variety of brokerage and trading applications.

Kingland Systems' Options Black Box (OBB) is a FIX compliant options routing engine that enables any order originator to eliminate the complexity and reduce the time required to connect to all seven U.S. option exchanges. OBB allows for tailored routing that can automatically apply a configurable set of client specific routing algorithms, routing by volume or routing by client designated exchange. Use a single connection from your Order Management System to OBB to gain all these advantages.

+1 641 355 1000 | [financialservices@kingland.com](mailto:financialservices@kingland.com) | [www.kingland.com](http://www.kingland.com)

## Mixit OMS

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The Mixit OMS is a robust and scalable platform built on today's latest technology.



Mixit OMS allows firms to connect to any buy-side or sell-side business partner using FIX. Mixit OMS provides options and equity trading capabilities in the listed, OTC, Pink Sheet and Bulletin Board markets. Back-office, compliance, IOIs and Advertisements are additional products they offer.

+1 917 254 4740, option 2 | [www.mixitusa.com](http://www.mixitusa.com)

## ROX

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ROX<sup>®</sup> is a premier trading platform available to customers of Lek Securities Corporation. ROX<sup>®</sup>



combines real-time market data and advanced analytics with instant execution on a host of markets, both domestic and international. A wide array of integrated features including order management, risk management, position management, and automated trading strategies have made ROX<sup>®</sup> the preferred solution for traders, institutional investors, arbitrageurs, and market makers worldwide. The ROX<sup>®</sup> trading platform also allows automation to enable black box trading for hedge funds and investment banks. ROX<sup>®</sup> is your Gateway to the Markets<sup>SM</sup>.

+1 212 509 2300 | [sales@roxsystems.com](mailto:sales@roxsystems.com) | [www.roxsystems.com](http://www.roxsystems.com)

## Townsend Analytics

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Townsend Analytics is a recognized leader in providing technology-driven solutions or the



global capital markets. The Chicago based firm has engineered direct-access solutions for broker-dealers, asset managers, hedge funds and mutual funds worldwide. The firm's four main lines of business include: Trading Services, Content Services, Exchange Services and Risk Management Services.

RealTick, created by Townsend Analytics, is the electronic trading industry's premier global, broker neutral, multi-asset Execution Management System (EMS). RealTick's unsurpassed flexibility and customizability streamlines trader workflow by delivering a fully integrated front-to-back solution, including sophisticated trading tools; unrivaled access to leading global brokers, exchanges, ECNs and other pools of liquidity; real-time market data, news, analytics and risk management tools. Used by institutions, broker-dealers and traders worldwide, RealTick is supported by Townsend's state-of-the-art global data centers and a redundant network for ultimate stability and resiliency.

+1 800 827 0141 | [www.realtick.com](http://www.realtick.com)

## FTEN

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FTEN provides end-to-end trading solutions that support high speed, high volume trade flow across



asset classes. With a highly scalable and consistent execution platform, integrated with co-location infrastructure, real-time risk controls, surveillance and compliance monitoring, the integrated framework offers time to market connectivity across liquidity venues.

FTEN's solutions are fully-managed and integrated to sustain the most consistently innovative and competitive solutions on the market— providing the backbone for building and expanding electronic execution businesses around the globe.

+1 212 808 8440 | [www.FTEN.com](http://www.FTEN.com)

## Additional Information

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To learn more about our providers, please contact the service bureau directly, or contact Philip Au at +1 212 231 5061.

For more information about The NASDAQ Options Market, please visit [www.NASDAQOMXTrader.com/options](http://www.NASDAQOMXTrader.com/options) or contact Transaction Services U.S. Market Sales at +1 800 846 0477 or [sales@nasdaqomx.com](mailto:sales@nasdaqomx.com).