

# CME GLOBEX ACCESS DIRECTORY

This directory is intended to help futures traders and trading firms identify and understand the universe of providers offering CME Group-certified front-end trading applications and access to the CME Globex platform.

As the world's largest and most diverse derivatives marketplace, CME Group ([www.cmegroup.com](http://www.cmegroup.com)) is where the world comes to manage risk. CME Group exchanges offer the widest range of global benchmark products across all major asset classes, including futures and options based on interest rates, equity indexes, foreign exchange, energy, agricultural commodities, metals, weather and real estate. CME Group brings buyers and sellers together through its CME Globex electronic trading platform and its trading facilities in New York and Chicago. CME Group also operates CME Clearing, one of the largest central counterparty clearing services in the world, which provides clearing and settlement services for exchange-traded contracts, as well as for over-the-counter derivatives transactions through CME ClearPort. These products and services ensure that businesses everywhere can substantially mitigate counterparty credit risk in both listed and over-the-counter derivatives markets.

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## Welcome to the CME Globex Access Directory.

This directory is intended to help futures traders and trading firms identify and understand the universe of providers offering CME Group-certified front-end trading applications and access to the CME Globex platform.

The directory presents a variety of solutions offered by four groups of providers:

- Independent Software Vendors (ISVs)
- Brokerage Firms
- CME Group
- Trading arcades\*

All software applications offered or supported by the companies included in this guide are:

- Certified by CME Group for compliance with the iLink order routing interface and Market Data Platform (MDP).
- Committed to keeping current with enhancements and changes to CME Group interfaces and functionality.

This directory is only available online as a [downloadable PDF](#).

To learn about the development process for these interfaces, please see Access for Developers at [www.cmegroup.com/globex](http://www.cmegroup.com/globex).

\* A trading arcade is a facility where locals or associates of a proprietary trading group can gather to trade their own accounts on the CME Globex platform.

### About CME Group Certification

The CME Group electronic trading environment is highly complex and includes order routing, trade matching and market data components. Electronic trading on the CME Globex platform is available virtually around the clock from Sunday afternoon through late Friday afternoon (U.S. Central Time). While it is essential that the CME Globex platform be flexible and open to accommodate the needs of many different kinds of traders worldwide, it is also essential that all software programs interacting with the platform work together seamlessly.

Please visit [www.cmegroup.com/trading\\_hours](http://www.cmegroup.com/trading_hours) for a list of trading hours.

Therefore, all applications designed to connect to it directly must successfully complete the CME Group certification process before being enabled in the production environment. CME Group and front-end providers together test all key function points in regard to connectivity and trading. In broad terms, all software certified for the CME Globex platform must:

- Properly receive and display all critical information about the market, especially if a particular product or the entire market is halted during regular market hours.
- Handle connectivity to CME Group and manage trading sessions in the protocols provided. This includes proper log on, message sequencing and weekly resets as well as the graceful handling of disconnects and reconnects.
- Be capable of proper order entry and cancellation, as well as receipt of both order acknowledgement and fill information.
- Not adversely impact themselves or other customers. For example, one test ensures that client systems can process a “trade bust” message generated via the Market Data Platform, i.e., a trade cancellation from the CME Globex Control Center, to ensure that the system accurately reflects working orders.
- Be designed and developed to ensure that they do not adversely impact the CME Group electronic markets at large (even though the system is designed to minimize any such possibility, there do exist scenarios that could flood the CME Group network and/or processors, causing latencies for other market participants).
- Be designed to support features and functionality critical to CME Group markets.
- Be designed to accommodate new products and new initiatives developed by CME Group.
- Be designed to quickly and easily adapt to any configuration changes, such as changes in trading hours, matching algorithms or size of market depth, without the need to make software changes.
- Please visit [www.cmegroup.com/isv](http://www.cmegroup.com/isv) to view additional specific details about supported functionality.

### About Network Connectivity

While individual traders using this directory won't generally need to be concerned about connecting to the CME Globex platform (direct connectivity is usually a decision made by trading and brokerage companies), some readers of this directory will wish to know about the connectivity options available.

CME Group offers customers access to its CME Globex platform, Clearing System and Market Data Platform from a set of network access alternatives that enable reliable, robust and cost-efficient connectivity. Customers may connect via a CME Group-managed Ethernet solution, manage their own direct network connections or access the CME Globex platform via the Internet. With this range of choices companies and users can select the network, connectivity method that best fits their trading and business requirements.

Current connectivity choices are as follows:

#### CME Group Managed

**DIRECTLink:** The CME Group managed network provides customers with the circuits, back-up connection and hardware required. Available in the U.S. only.

- Bandwidth:
  - T1 Frame connections
  - 20, 40 and 100 Mbps Ethernet connections
- CME Group provides carrier diversity by providing two circuits from different carriers.
- Router(s), modem(s) and two phone lines for out of band access are provided by CME Group.
- 24/7 monitoring and support provided by CME Group.

#### Client Managed

**Client INTERNETLink:** With this choice, clients connect to the CME Group-provided front-end, CME Globex Trader, using a secure Virtual Private Network tunnel over the Internet. Available worldwide.

- Customer chooses a tier-one Internet provider.
- Bandwidth available in increments of .5 Mbps.

**CME Globex Hubs:** The hubs allow for customer-provided connections to redundant CME Group data centers located in Amsterdam, Dublin, London, Milan, Paris, Sao Paulo, Seoul and Singapore.

- Choice of local telecommunication access providers that have facilities in CME Group data centers.
- Up to 100 Mbps Ethernet bandwidth subscription is available at all CME Globex Hubs.
- Connection to CME Globex Hub managed by client.
- Connection between CME Globex Hub and Chicago managed by CME Group.

**LNNet (Local Network):** This is a customer-managed solution, where customers are required to house a CME Globex-certified trading application via a specified CME Group approved facility. LNet may not be utilized as a network-only connectivity option. LNet offers reduced network latency because the CME Group approved facilities are directly connected to the CME Globex fiber optic transport, i.e., the CME Globex network. For non-local customers, LNet provides a lower-latency connectivity solution.

- Bandwidth: 100 Mbps.
- Redundant connection from a CME Group approved facility.
- Two CME Group approved facilities available.
- Network monitoring and support by customers.
- All LNet customers must maintain a redundant, separate site connected to the CME Globex platform.

For further information on network access options, please contact CME Globex services at 312-648-4777 or e-mail [globexservices@cmegroup.com](mailto:globexservices@cmegroup.com). Pricing of all network options can be found online at [www.cmegroup.com/globex](http://www.cmegroup.com/globex).

# actant, Inc.

actant, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X	X	X
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

actant dedicates itself to serving the needs of traders who make markets, maintain liquidity and trade on the world's leading derivatives markets. Our AQTOR product family is installed in the world's most sophisticated investment banking and specialist market making firms, floor-based derivatives exchanges and trading arcades, and offers stable, flexible and robust quote management and trade solutions.

AQTOR supports the publication of commodity, interest and index option prices. Our proprietary scripting language provides a level of quote calculation flexibility that we believe is truly unique. With scripting, traders can bring their own level of individuality to an automated quote management application.

Aside from published quote management, hidden quotes provide the ability to calculate and compare unpublished options prices. When published market prices cross an unpublished hidden quote, AQTOR generates an order on behalf of the trader. Our architecture aims to provide the fastest possible reaction time, ensuring maximum performance amongst the trading community.

The challenge of delivering a trading solution that keeps CME Group clients competitive has culminated in a powerful and functionally rich product offering. The emphasis has been on functional integration, programmable automation and ever better quote performance, coupled with sophisticated quote safety algorithms.

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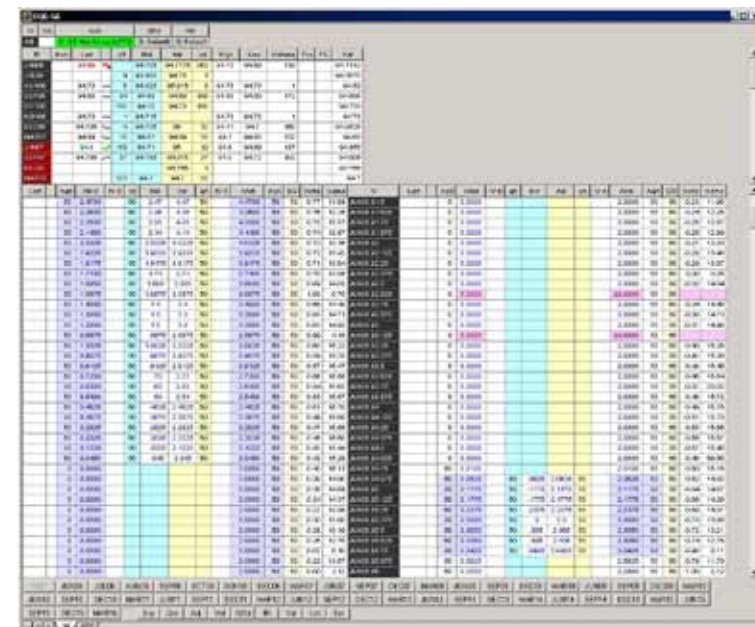
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# Aegis Software, Inc.

Aegis Software, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X			
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				X

## Contact

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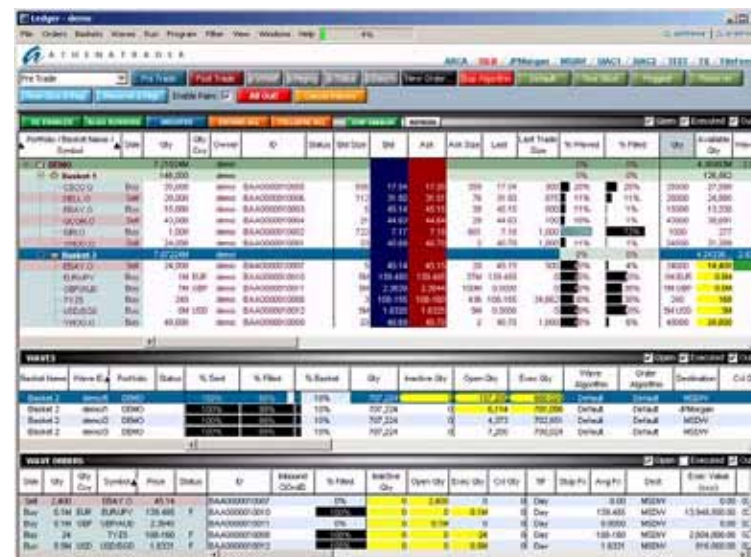
## Internet

www.aegissoft.com

## General Overview

Aegis Software's AthenaTrader is a 100 percent broker-neutral trading platform designed to support global equities, futures, options and FX trading.

- Trade equities, options, futures and foreign exchange from one screen or program.
- Multiple views of baskets, lists, accounts and portfolios and orders in the market are updated in real-time with market data, executions, and cancels. Traders can modify strategies in real-time as demanded by market conditions.
- Graphical, highly-customizable user interface.
- Dynamically share able blotter across all traders.
- Many standard algorithms provided (reserve, peg, pairs, VWAP, TWAP, etc.).
- Open API for custom-built algorithms.
- Full Level 1 and Level 2 trading. Multiple L2 views.
- Many direct market data feeds (CME Group, NASDAQ, Hotspot, etc.).
- Montage support combines prices across many markets.
- Synthetic support allows definition and trading of virtual securities.
- Full support of fractional pricing (futures) and million pricing FX.
- Order staging for risk management.



# alphaEdge

Software Options					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

alphaEdge is a high-performance trading system for multi exchange and multi asset-class instruments. It is server-based, spread-centric and highly customizable. The system was architected with a focus on fast execution speeds and rapid trading system development. The system boasts a number of advantages.

- **Server Based** – The server can be optimally located for fast exchange connectivity.
- **Rapid Deployment** – Highly configurable gray box solution out of the box, can be easily adapted as a black box trading system. The real advantage of the system is it's ability to quickly add proprietary behavior.
- **Custom Algorithm Development** – Is greatly simplified.

- **Customizable Auto-Spreader** – The generic behavior of the auto-spreader can be easily customized for proprietary spread trading.
- **Fast Execution** – Our low-latency auto-spreader delivers sub millisecond submission of out rights on both active and reactive legs.
- **Cost Reduction** – Rapid trading systems development significantly cuts software development costs for custom systems.
- **API Availability** – Significantly increase productivity of in-house software development by allowing developers to focus on algorithm development.
- **Small Trading Firms** – Can completely outsource their trading systems development.

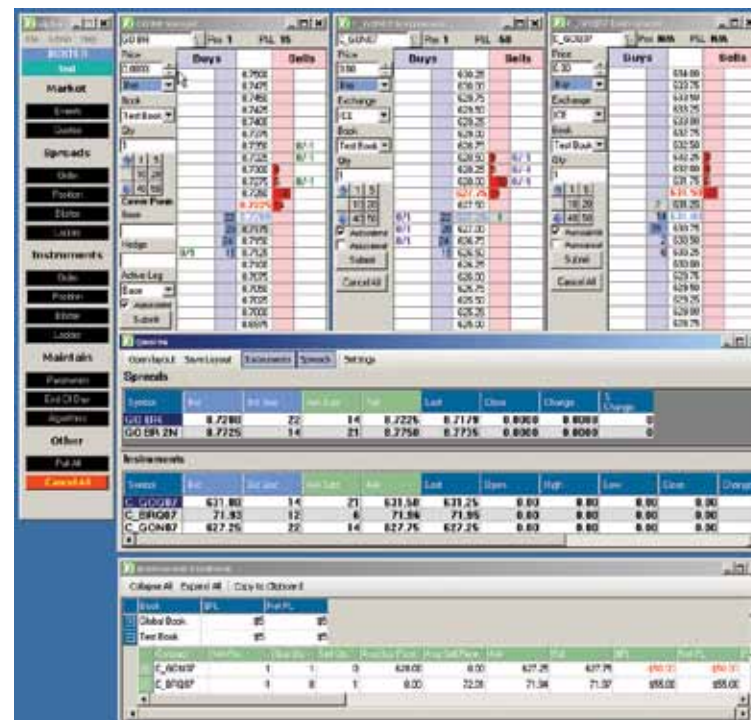
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# B2BITS Epam Systems Company

B2BITS					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				X

## General Overview

B2BITS®, EPAM Systems' Capital Markets Competency Center, provides a broad range of solutions and consulting services to clients in the Securities Industry.

B2BITS® provides reusable frameworks and components, specialized testing tools for FIX based Client Connectivity. B2BITS® solutions cover trading and operations in all asset classes including Equities, FX, Options and Fixed Income. Reusable frameworks and components include OMS, matching engines, market data feeds adapters, exchange gateways, and electronic payment services utilized in many trading firms, banks, brokerage and clearing houses, as well as exchanges.

B2BITS® FIX Engines were designed to be used by all financial market participants and were introduced as high-efficiency FIX products to provide world beating performance on entry level hardware, across a broad range of operating systems in conjunction with automated testing frameworks and simulators.

## B2BITS FIX Engines benefits:

- High performance / low latency
- Full FIX and FAST compliance
- Rich message composition API
- Customizable FIX protocol
- Guaranteed delivery
- Customizable FIX session level
- Rejecting and later delivery modes
- High availability
- Back-up connections
- Automatic messages routing
- Optimized for Market Data
- Encryption, SSL
- Remote administration interface
- The automation of scheduled tasks
- Ability to use custom transports

## Contact

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# Bloomberg Tradebook, LLC.

Bloomberg Tradebook, LLC.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
		X	X	X	
Additional Services	Application Hosting		Network Provider		Consulting Services
		X		X	

## General Overview

Bloomberg Tradebook futures is among the premier market access providers to the global futures markets, offering connectivity to major exchanges, including CME Group, Eurex, Euronext.liffe, Amsterdam, Brussels and Paris, Osaka Securities Exchange, Sydney Futures Exchange and Tokyo Stock Exchange. This service is offered in partnership with UBS, the executing broker for the BLOOMBERG TRADEBOOK Futures platform.

## Global Platform

- Gain full access to all exchange-based trading tools.
- View depth of market and monitor orders within the price order book at the exchange.
- Download Trade Blotter to your PC.
- Access real-time feeds from your blotter.

## Connectivity, Speed, Security and Reliability

- Execute or modify trades with fast, anonymous execution and multiple order cancellation functionality.
- Take advantage of easy-to-use trading screens, pop-up tickets, central blotter and flexible user-preference defaults.

## Risk Management

- Leverage customizable risk controls.
- Track intra-day profit and loss.
- Access order confirmation screens prior to order submission.
- Set exposure and maximum trade ticket defaults and price checks.

## Innovative Solutions for Straight Through Processing

- Generate efficiencies, streamline order flows and minimize processing errors.
- Access a real-time API, as well as automated allocation tools.
- Fully FIX compliant.

## Contact

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### Internet

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The screenshot displays a complex trading interface with multiple data tables. The top section shows market data for various contracts, including columns for Last, Bid, Ask, Size, and Open. Below this, there are tables for order status, with columns for Cal, Time, B/S, Quantity, Order, Price, Avg Price, Open, Filled, Open, Bk, and Status. The interface is color-coded with red and green text on a dark background.

# Comunytec Consultores, S.L.

Comunytec Consultores, S.L.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

Comunytec's Plug'n Trade product is an integrated STP platform for trading, quoting and clearing in organized financial markets. It is designed as a set of pluggable modules, where each installation can be configured using just the required functionalities. The most relevant features are:

- MultiMarket and Multiproduct (Fixed Income, Equities, Derivatives and Cash, Energy, Weather).
- Support of Direct Market Access to major exchanges: CME Group, Euronext.liffe, Euronext, Eurex, Eurex USA, ICE, Meff, MexDer, MTS, Senaf.
- Highly efficient Order Management System (OMS).
- Real-time risk management for sophisticated pre- and post-trading filtering.

## Professional Trading Terminal

- Graphical, fully user-configurable: market information, aggregate market depth, orders and fills blotter.
- Virtual market and trading on “virtual” securities (the same security traded on several exchanges).
- Support of market-making activities on real and “virtual” securities:
- Easy integration of price engines.
- Management of calculation parameters: spreads, skews, volumes, etc.
- Automatic rules for quote stopping, volume replenishment, etc.
- Real time alarms and profit and loss position.
- Basket Trading.
- Automatic trading strategies.
- Excel interface for prices and user-configurable trading strategies.

## Professional Clearing Terminal, Fully User Configurable

- Intelligent, rules-based assignments, give-ups and give-ins acceptance.
- Order matching and automatic allocations.
- Allows manual entry of slips for non-electronic or unconnected clearing houses.
- Excel interface for massive assignments and splits entry.

## Contact

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### Internet

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# CQG, Inc.

CQG, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

CQG is the highest-performing solution for trade routing, global market data, and advanced technical analysis. CQG has built a state-of-the-art trading and ticker plant network relied on by traders worldwide. CQG provides Direct Market Access to more than 35 exchanges through its worldwide network of collocated Hosted Exchange Gateways. CQG's market data feed consolidates over a hundred sources, including exchanges worldwide for futures, options, fixed income, foreign exchange, and equities as well as data on debt securities, industry reports, and financial indices.

## CQG Integrated Client

CQG Integrated Client has an extraordinary reputation, earned through decades of reliable performance, for providing traders with:

- Advanced trading interfaces
- Industry-leading charting and analytics
- Consolidated market data
- Innovative news coverage
- Powerful trade system tools
- Smart order execution and management
- Integrated analytics and order routing

## CQG Spreader

CQG Spreader offers a tool for spread traders needing sophisticated order management and ultra low-latency trade execution. The CQG Spreader allows you to easily create and manage multi-legged, intra-market, and cross-exchange spreads and to effectively manage incomplete spread orders.

## CQG Trader

CQG Trader is a professional electronic trading front end, offering the same high-performance market data and electronic trading as the CQG Integrated Client without the charting and analytics.

## Contact

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### Germany

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# CTS

CTS					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X			
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

CTS is the creator of the T4 trading platform. T4 is a lightweight, high-performance futures trading system intended for professional and retail traders alike. This fully hosted system provides global access to multiple futures exchanges.

- Fast, stable and secure
- Easy to use
- Internet or direct connection
- Real-time:
  - Order Submission
  - Quotes
  - Profit and loss
  - Position Updates
- Single Click Trading
  - Limit
  - Stop
  - Stop Limit
  - Market
  - MIT – (Market if Touched)
  - GTC – (Good til Canceled)

- Advanced server-side order types:
  - Trailing Stops
  - OCO – (One Cancels Other)
  - Auto OCO
- Advanced server-side order scheduling:
  - Market mode activation
  - Time activation
  - Price activation
- Simplified order and account views
- Fully customizable screen layout
- Flexible pre-trade risk management
- Use T4 with your present broker or clearing firm
- Access to all available exchanges at no additional cost
- Free trading simulator (live market/real time)
- Open API

## Contact

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## Internet

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# EasyScreen, Ltd

EasyScreen, Ltd					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

### EasyActiveTrade (“EAT”)

EAT is a fully functional, multi-exchange/multi-product trading system. Trading futures, options, bonds, equities and FX on a pre-trade, fully risked managed basis, EAT is deployed from a client specific EasyRouter installation.

Trade CME Group through EAT over the Internet, a private network or dedicated line.

Pre-trade risk management (including options), makes the most of margin requirements using a single “pot of money” offset across asset classes. EAT also guarantees rapid speed to wire – even when pre-trade is risk managed.

EAT’s advanced professional functionality includes a Spread Matrix, tradeable Watch Windows, real time P&L, a Strategy Wizard and Options Trading Window. You may also create and save profiles containing your favorite contracts/instruments making them readily available as when you wish to trade them.

Optional extras include EasySpread Pro, an intuitive arbitrage/spreading tool that requires no specialist programming knowledge.

EAT is fully customizable. Configure windows and tickets to size, values, types, colors and fonts according to your personal preference.

Call +44 (0) 207 650 4401 to arrange a full demonstration of EAT.

## Contact

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## Internet

[www.easyscreen.com](http://www.easyscreen.com)



# EccoWare

EccoWare					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X			
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

### EccoPro

EccoPro provides direct exchange connections, enabling traders to use the system without the additional cost of servers or new hardware. When directly connected, EccoPro frequently outperforms similar systems in busy or fast markets, without the slowdowns often associated with server-based systems.

### EccoSpreader

Ecco is probably best known for the EccoSpreader add-on module which is a genuine market leader in inter product automated spread trading. The EccoSpreader track record of cross-product and cross-asset multi-product spread trading places it well ahead of other products available. Now with eSpeed Cash vs. CME Group Futures for TED Spreads.

### EccoAPI

A groundbreaking add-on module to the EccoPro system is the EccoAPI, which allows third-party applications to directly access the functionality within the EccoWare product

suite. The EccoAPI has been used as an interface for everything from futures and options market-making systems in Excel to C++ arbitrage machines.

### EccoRiskManager

Also available as an add-on to the EccoPro application is the EccoRiskManager which, with the simple addition of an SQL database, enables real-time pre-trade and post-trade risk management of EccoPro users without any of the performance degradation.

### EccoTrainer

The EccoTrainer is a simple, yet highly effective, way to train new traders, test out a new market or test out a new trading strategy without the risk of trading real money.

### EccoWare LTD

EccoWare offers a unique and innovative trading system – EccoPro – that delivers speed, reliability, ease of use, is simple to install, provides excellent support and includes a range of functionality that is second to none.

## Additional Services

Also take advantage of these services from Ecco:

- Auto Spreader
- Auto Spreader Legs
- eSpeed Cash vs. Futures

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### Internet

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# FFastFill

FFastFill					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

FFastFill is the leading provider of application services and solutions to the global derivatives community. FFastFill services and solutions utilize the latest developments in technology to automate trade flow processes across a firm's front, middle and back offices.

FFastFill solutions encompass electronic order routing, clearing, risk management and back office reporting as part of an integrated, yet modular-system architecture. FFastFill application services provide institutions with cost savings in their administrative and IT departments while significantly reducing or eliminating the investment costs associated with maintaining their own technology infrastructure.

All FFastFill services are delivered against a contracted Service Level Agreement (SLA) that can be tailored to an institution's business requirements. This quality of delivered service has been enabled through the deployment of a uniquely engineered and totally managed software and technology infrastructure.

FFastFill managed applications and services include:

### Managed application services

- High-speed, front-end trading platform for futures and options.
- Full trading functionality with scalping window.
- Browser-based Web trading application.
- Live market training tool with real-time price feeds.
- Rapid and flexible access to CME Group and other major European and U.S. derivatives exchanges.
- Third-party software integration via FIX, COM and BIC.
- Global order book displays executed, partially executed and working orders on a real-time and historical basis.
- Pre-trade risk management monitors groups and individuals with limit and cash-based risk controls.
- CME Group FX futures on Reuters Dealing 3000.

### FFastFill Middle Office Solutions:

- Order matching and allocation application automates a firm's clearing process.
- Post-execution risk management tool monitors client trading activity, executed through multiple, trading front-ends in real time.
- Web-based client portal automates statement delivery, dramatically improves two-way communication with clients and seamlessly integrates with any industry standard back office.

### Contact

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#### Software Development Center

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# Fidessa Financial

Fidessa Financial					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

The Fidessa product suite is a world leading solution for multi-asset trading systems, market data and global connectivity.

With around 85 percent of the world's tier one equity brokers as clients, Fidessa's high-performance, resilient, low-latency infrastructure provides unparalleled global connectivity for both the sell side and buy side.

## Connectivity and Order Routing

Fidessa's sophisticated multi-user, multi-asset order book system allows users to route flow internally to the most appropriate execution venue or desk. Fidessa connects to more than 140 brokers, 600 buy-sides, 76 exchanges/networks supporting both cash and derivatives instruments while also providing order flow from it's community of 8,500 screens at around 200 institutions globally.

## One Integrated Industrial Strength Platform

Multiple asset trading on the Fidessa platform reduces the need for organizations to deploy duplicate infrastructure, support staff and data, as well as reducing ownership costs and simplifying compliance.

## Integrated Market Data View

Users are offered a single combined view of market data regardless of whether they trade cash, derivatives or both.

## Advanced Trading Tools

Fidessa fully supports VWAP, DMA provisioning, List Management, Pairs, ADR and GDR, Algorithmic and Basket Trading, as well as RSP services and IOI's & Trade Adverts.

## Contact

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### Internet

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# FlexTrade

FlexTrade					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X			
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				X

## General Overview

FlexTrade's FlexFUTURES multi-broker execution-management solution is a highly customizable software platform and front-end designed to manage all facets of futures trading and the risk-management needs of buy- and sell-side institutions. FlexFUTURES comes fully loaded with many rules-based execution strategies and synthetic order types, which are designed to minimize market impact, reduce slippage and improve overall trading performance. These include Iceberg, Time-Slice, Pegging, Volume Participation, OCO and Enhanced Stop. All strategies can be enhanced and customized to meet specific client requirements.

### Key Features of FlexFutures include:

- Open architecture that provides robust, bi-directional APIs in C, C++, Java, .NET and .COM for full integration with external platforms, including black boxes, order-management systems, and other third-party or proprietary up- and downstream systems.
- Ability to create and integrate customized algorithms while maintaining complete confidentiality and control of your proprietary trading strategies.
- Manage multiple trading models, from high-touch point & click discretionary trading to fully automated no-touch systematic execution.
- Trade through multiple brokers through a single front end.
- Proprietary FIX engine.
- Highly customizable GUI that allows traders to view the markets in a wide variety of ways.
- Electronic trade blotter for managing voice-brokered transactions
- Allocations.
- Full integration with FlexTRADER (equities) and FlexFX for multi- and cross-asset-class trading from a single application.

## Contact

**Tom Griffo**

**Global Futures Sales**

FlexTrade Systems, Inc.

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### Internet

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**FLEXTRADE**

# GL TRADE

GL TRADE					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		

## General Overview

GL TRADE is the leading software vendor offering a complete STP solution, the GL STREAM Front to Back Solution. GL STREAM Front to Back Solution is a comprehensive, modular solution covering the entire order flow from client connectivity, order management, trading, market access and post-trade management.

The GL STREAM Front to Back Solution covers the life cycle of an order across five areas:

- Client Connectivity, dedicated order capture using FIX, external networks, the Internet and GL NET order routing network for all types of executions, either Direct Market Access or discretionary orders, complete with client risk management capabilities.
- Order Management, total sales-dealer relationship management featuring powerful rule-based, multisite order routing, position keeping and crossing functionality.

- Trading, an innovative trading system providing advanced trading tools for Program Trading, Index Arbitrage, Market Making and Fast Trading, complete with APIs for customization.
- Market Connectivity, electronically trade on 90 equities, derivatives, options and commodities markets worldwide and monitor trader activity in real-time to manage market risk.
- Post-Trade Management, automates trade allocation, netting and fees calculation with real-time confirmations, matching and clearing.

GL TRADE has 1,000 employees in 26 offices worldwide. It services more than 3,500 clients, including 500 international financial institutions.

## Contact

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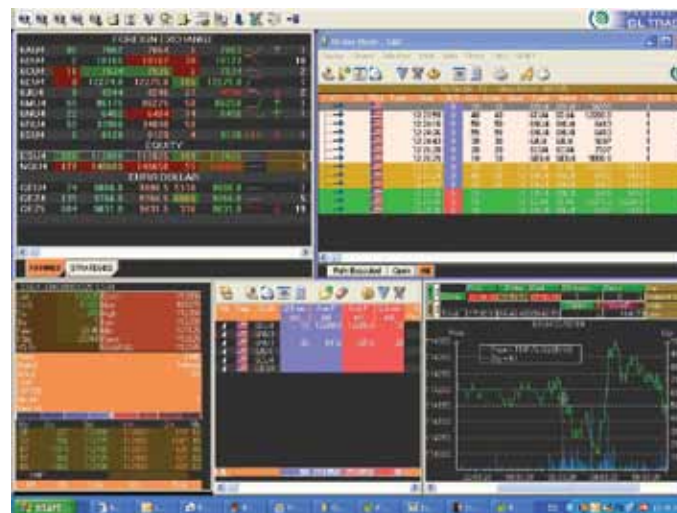
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### Internet

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# ION Trading

ION Trading					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
					X

## General Overview

ION Trading is the market leader in providing high-performance trading solutions for electronic fixed income markets. ION's proprietary software, MarketView, is the solution of choice for the largest investment banks.

## Multi Market Interface GUI

Traders can access more than 40 markets from a single, customizable front-end.

## Fixed Income Coverage

The platform supports all fixed income products including cash, futures, repos, money market, interest rate swaps and credit default swaps.

## Product Support

Support of all CME Group product categories: Equities, Interest Rates, FX, Weather, NYMEX e-mini NY, Chemical and OneChicago futures.

## CME Group Functionality

Access CME Globex (Market Data) and iLink 2.0 (Order Execution and Management) through a single software component.

Support of all CME Group order types, as well as enhanced Stop/StopLimit and HoldUntil orders.

## Cross-Market Functionalities

The platform supports integrated trading tools such as Multi Market Spreader, Auto Hedger and Market Aggregation.

## Straight Through Processing

From front to back office, normalized data structures allow seamless feed of trade data from a variety of markets.

## Customer Integration

The system provides a range of Open APIs for various programming languages including C, C++ and Java. Adapters for standard messaging platforms and databases are readily available.

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# Object Trading

Object Trading					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

Object Trading delivers high-performance, white-labeled trading solutions for capital markets, institutions and professionals worldwide. With existing clients including global investment banks, brokers, market makers, and other trading system vendors, our server-based product performance sets the standard in every marketplace we serve. Flexible, reliable and high performance – all in one simply integrated server-based product.

Object Trading's FrontRunner solution suite gives you the flexibility to integrate multiple trading applications, buy/sell-side counterparties and execution venues. Seamlessly integrate and manage all your screen and program trading order flow, distribute live prices locally or globally, and access multiple pools of liquidity from the one multipurpose infrastructure investment.

FrontRunner solution suite components include:

- Exchange gateway and shared order book servers – supporting specialized order types and contingencies, regardless of native exchange capabilities and across supported exchanges.
- Price servers – low latency, high volume price subscription and broadcast.
- Connectors – access other order routing and data vendor networks.
- Strategy management – configurable rules-based platforms for complex trade strategy automation, inter-exchange, inter-commodity.
- Remote gateways – allowing secure and fast access anywhere via private or public networks.
- Open APIs – FIX, C++, COM, .NET, Java. Easy integration of components within market making, arbitrage or proprietary/program trading systems.
- Tools – market simulation and trading test tools.

- Bespoke solutions – customized market making, arbitrage and other trading solutions.

FrontRunner solutions may either be deployed in-house or provided as a managed Direct Market Access (DMA) service through our international ASP service provision partners.

All Object Trading products are integrated using a choice of comprehensive and open APIs, and are supported across all hours of market operation. Object Trading's range of distribution partners also offer local FCMs cost-effective access to international marketplace execution/clearing services.

## Contact

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objecttrading

# OnixS

Onix Solutions Ltd ("OnixS")					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

OnixS is a specialist software business providing high performance multi-platform, multi-venue market data and trading software solutions.

The OnixS directConnect CME solutions are a range of calibrated and certified DMA solutions for CME market participants including the:

- OnixS directConnect: CME FAST Market Data Handler for real time market data and order book image management
- OnixS directConnect: CME Globex iLink FIX Trade Handler for order entry to CME markets
- OnixS directConnect: CME DropCopy Service
- OnixS directConnect: CME Cleared Trades API Service

These are specific solutions designed and packaged to save money and time in both the build and ongoing maintenance of the required market data and trading handler capabilities for automated trading strategies.

The OnixS selfConnect and directConnect solutions are implemented on multiple platforms including Windows C++ 32 and 64-bit, Linux (RedHat, CentOS, Ubuntu, Gentoo, Suse SLES) C++ 32 and 64-bit, Solaris x86 C++ 32 and 64-bit implementations, .NET 2.0, .NET 3.5 and .NET 4.0 Framework 32 and 64-bit implementations, and Java implementations.

### Key benefits:

- Pre-certified – thus saving time and money in conformance testing with the venues.
- Supported – service level guarantee that the implementations are production strength, and will support current and future venue enhancements.
- Book management, synchronization and recovery – more than just a market data decoder. Provides full book management with recovery, instrument filtering by symbol and sub-channel – off loads the book management tasks to a specialized implementation.

- Market Data business logic management – inter and intraday static updates, incremental image updates - all the capabilities needed for trading strategy calculation engine data feeds.
- Low latency, high through-put, and low CPU load – designed for high-frequency and the fastest market data implementations available for the venues.
- Easy-to-use and flexible API – designed for rapid integration within trading strategy architectures, with a common API style for multi-venue implementations.
- Flexible logging – ability to analyze and diagnose issues and activity quickly.
- Included fast-start source code reference implementations with client and benchmarking samples – designed for rapid familiarization and to get up and running rapidly.

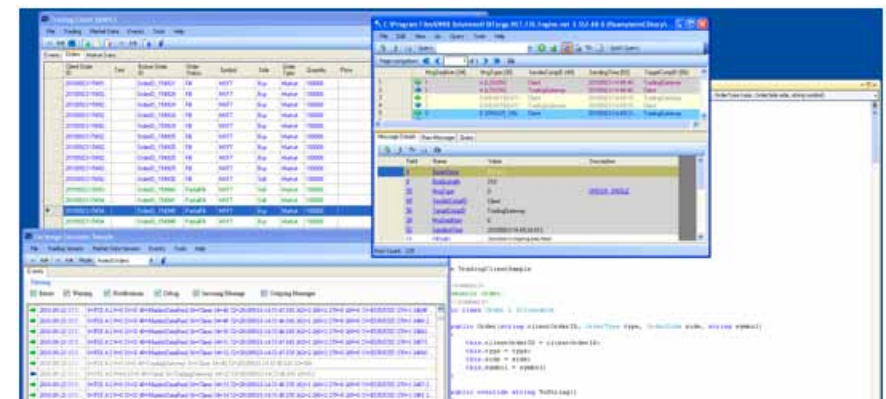
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## Internet

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# OptionsCity Software, Inc.

OptionsCity Software, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X	X	X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				X

## General Overview

OptionsCity™ Metro is a real-time electronic trading platform for professional options traders who make markets, maintain liquidity and trade on the world's leading derivative exchanges.

When it comes to electronic options trading and market making, OptionsCity™ provides a state-of-the-art solution that has a distinctive edge. OptionsCity™ Metro utilizes the latest developments in trading technology to present a system that is user-friendly, flexible yet powerful. This sophisticated solution integrates with auxiliary trading systems, supports complex strategies without the need to write code, encourages dynamic quoting, scales well and has performance at its core. OptionsCity™ Metro enables traders to focus on their core competencies and trade more efficiently and effectively than ever before while being kept safe in extreme market conditions.

OptionsCity™ is dedicated to serving traders and offers a configurable solution which caters to their changing needs and empowers them to trade with simplicity using the innovative tools it provides.

## Contact

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# Orc Software

Orc Software					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X	X	X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

Orc Software (SSE: ORC) is the leading global provider of powerful solutions for the worldwide financial industry in the critical areas of advanced trading and low latency connectivity. Orc's competitive edge lies in its depth of knowledge of the trading world gained by deploying advanced solutions for sophisticated traders for over 20 years.

Orc Trading, Orc's suite of trading solutions, is used by leading financial firms around the world for enhanced trading of electronically traded derivatives. It encompasses both screen-based trading and algorithmic trading for firms to trade any listed instrument, across all asset classes, on 100+ markets.

Orc Trading provides the competitive edge to trade from a single platform capable of running thousands of complex trading strategies simultaneously. Orc Trading is used by financial firms worldwide for advanced trading, pricing and risk management.

Orc's solutions are used for varied low-latency trading strategies including futures arbitrage, options market making, volatility trading, and other automated trading strategies. Orc's solutions allow clients to build their own proprietary trading algorithms and execute them from a server-based, ultra-low latency trading engine for maximum performance. Orc's powerful market connections allow trading strategies to be used on over 100 markets around the world and give clients a scalable platform to deploy their trading strategies onto new markets quickly.

Orc's customers include leading hedge funds, proprietary trading firms, market makers, banks, exchanges, and institutional investors. Orc provides sales and quality support services from its offices across EMEA, Americas and Asia Pacific.

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# ORC



# Patsystems

Patsystems					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				X

## General Overview

Patsystems delivers tailored solutions built from modular components, to enhance derivatives trading performance and trade processing.

We work in partnership with our customers to create robust systems that align with their business strategies. These can range from a plug-and-play module to address a specific issue such as real-time post-trade risk, to complete high-performance trading systems with global market access.

Futures and options brokers worldwide distribute Patsystems' technology to thousands of end users who range from independent traders and arcades up to large financial institutions and global brands.

## Trading tools

**Pro-Mark** – A next generation front-end for high-volume professionals.

**IQ-Trader** – A new front-end for technical traders who use charts and analytics.

**J-Trader** – Patsystem's front-end for online, multi-exchange, real-time access to futures, options and forex.

## Contact

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### Singapore

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### Sydney

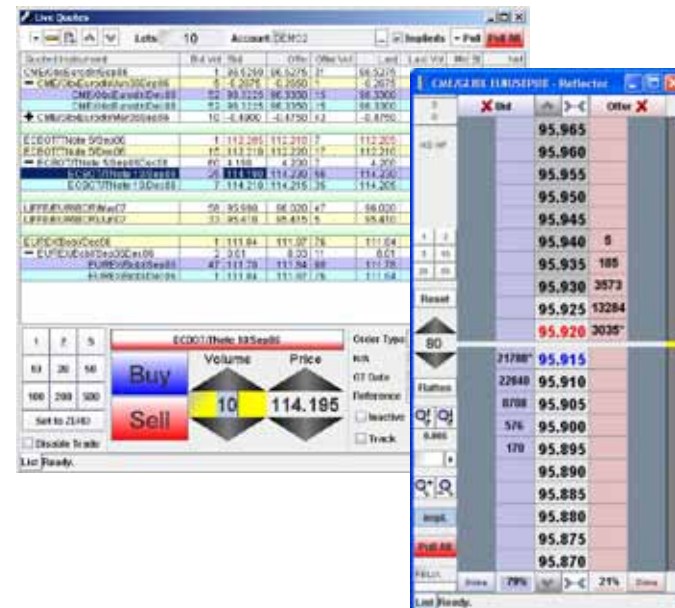
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### Tokyo

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### Internet

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# PhotonTrader

PhotonTrader					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

PhotonTrader is the front-end trading application of FuturePath Trading, LLC., an NFA-registered futures brokerage headquartered in Chicago. PhotonTrader executes in 2/10's of a second and faster, provides customizable, one-click trading modules, is fueled by Sun Microsystem Servers, and has fully redundant architecture, making it exceptionally fast, reliable and flexible. PhotonTrader connects a user, either directly or through the internet, to global futures exchanges, including: CME Group, Eurex and Euronext.liffe markets, the Montreal BDM, ICE, SGX, HKFE and the SFE.

## PhotonTrader > Internet

PhotonTrader Internet provides access to global futures markets using PhotonTrader's trading software over the Internet. PhotonTrader is an application-based trading program, more stable than typical, Web browser-based programs.

Features:

- Targeted for subscribers who do not require a high-availability or a fault-tolerant connection.

- Cost-effective.
- Recommended for subscribers who trade from multiple locations and who accept the responsibility for their local access and ISP connections.
- Implemented in as fast as 10 minutes.
- Log on in less than 10 seconds.

## PhotonTrader > Direct

PhotonTrader Direct provides access to global electronic futures exchanges using PhotonTrader's trading software over a frame relay or T-1 data connection between the customer site and selected futures exchange.

Features:

- Targeted for larger volume traders and those who require higher-speed connectivity.
- Cost-effective.
- 28 T1 lines that can be fractionalized.
- Backup for direct connections via Internet connectivity.

## PhotonTrader > API

PhotonTrader's API works with all .net 2.0 languages, C#, VB, C++, J#. It conforms with .net programming guidelines. All of the classes are organized in a hierarchical object-orientated model, which makes data access easy. The Adapter is built with an event-driven architecture and order sending has been simplified to reduce time to develop. Less code needs to be written. In addition:

- The interface is extremely fast: The average execution time for an order sent to CME Group is 50 milliseconds.
- Robust Automated Trading Systems and multiple languages easily interface with the Photon API.
- Expert staff programmers are available to assist you in achieving your trading system goals.

## Subscriptions to PhotonTrader

Please contact PhotonTrader at 1-877-746-8663 or e-mail info@photontrader.com with questions or requests regarding the PhotonTrader platform.

## Contact

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## Internet

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# Prime Analytics, LLC.

Prime Analytics, LLC.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X	X	X
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

Prime Analytics is a financial software firm that develops systems for trading professionals in the derivatives industry. The firm has offices in Chicago and Tucson. The goal of Prime Analytics since its inception has been to develop, market and support the most comprehensive, sophisticated and integrated derivatives trading and risk management platform in the professional trading community. The ProOpticus' System is Prime Analytics' solution for connecting the trading professional to the global marketplace. It is a complete trading and risk management platform, offering solutions for traders, brokers and risk managers of all types and in all places.

It has applications designed for traders in the pit or in electronic markets, for traders using printed option tables or handheld devices, for risk managers in both trading firms and clearing firms, and for brokers following the markets for clients. Integrating a state-of-the-art front-end trading application with a variety of risk management tools allows complete flexibility to research, trade and manage risk in any type of situation. We welcome you to explore and compare ProOpticus' features to any of our competitors. We believe that, regardless of what area of the trading industry you are in, Prime Analytics has the complete solution for the trading professional in the ProOpticus' System.

## Contact

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## Internet

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# RMMSoft, LLC.

RMMSoft, LLC.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X		X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

RMMSoft focuses on providing sophisticated futures and options trading platforms, pre-trade margin and real-time post-trade risk management products and services for global derivatives markets with an emphasis on the quickly growing Asian region.

## Trading Platforms

### GloTrader

A trading platform with sophisticated order entry features including market depth and charting order, and advanced SPAN-based real-time margin calculation and what-if projection on margin, sensitivity and optimal capital utilization. Both English and Chinese are supported.

### StraTrader

Strategy oriented trading platform that supports classic strategies, self-compiled strategies and indicator setting strategies. All submitted strategies run on high quality remote servers to ensure reliable execution.

## Risk Management Tools

### RIMS Business

Intended for institutions that have many accounts whose risks they want to precisely manage. It provides real-time in-depth portfolio analyses and “what-if” projection on P&L, margin, sensitivities, loss projection, etc.

### RIMS Office

A windows-based application specifically designed for office managers or people on the run to monitor margin and risks for a small group of clients remotely through the internet, anywhere and anytime.

### RIMS One

A browser-based tool used by fund managers and individual investors to obtain real-time margin and risk figures based on SPAN and other methodologies.

## Contact

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# RTS Realtime Systems Group

RTS Realtime Systems Group					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X	X	X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## RTS Realtime Systems Group

RTS is a leading global trading solutions provider with one of the most comprehensive technology offerings across multiple asset classes and continents. With headquarters in Frankfurt, Germany and Chicago, RTS has offices in Amsterdam, London, New York, Paris, Singapore, Stockholm and Sydney and offers connections to more than 100 equity, futures, fixed income, options [and over-the-counter] marketplaces globally. RTS is a pioneer in the design and management of robust, high-speed electronic trading software, including its popular RTD Tango algorithmic trading solution. The firm also offers proximity hosting services for low-latency access to multiple markets through secure data centers.

RTS's premium trading front-end, the Realtime Trading Desktop (RTD), is designed for:

- Investment banks
- Brokers
- Market makers
- Hedge funds
- Day traders/locals

The RTD provides a comprehensive solution for trading on different exchanges worldwide from a single window. Trading speed, reliability, a proven track record and world-class trading functionality have made RTD an outstanding product in the industry.

RTD offers numerous features for the professional trader including:

- RTD Spreader, a cutting-edge solution for trading spreads across multiple markets
- RTD Dartboard for the futures trader
- RTD Quote Machine for automated quoting
- RTD Electronic Eye, an automated market watch tool
- RTD Basket Trader for Eurodollar Strips, Packs and Bundles

## eRTD > Internet Trading Solution

This multi-exchange and multi-asset Internet trading platform offers retail brokers, day traders and institutional customers a cost-effective and innovative trading solution.

## RTD-API

The RTD-API allows for flexible and functionally rich communication between the RTD system, worldwide exchanges and in-house applications.

## RTD FIX-API

The RTD FIX-API offers central access to all integrated exchanges in RTD with a single API, based on the FIX protocol standard.

## RTD Connect

RTD Connect allows access to exchanges via clearers, brokers or affiliated companies, without individual exchange membership.

## RTD Tango

Tango is a fully automated and server-based algorithmic trading system including back-testing. The creation of algorithms does not require extensive programming skills. Traders can manage hundreds of strategies and change parameters on the fly.

## RTS ASP Solution

This service enables RTS customers to connect to multiple global exchanges via a single hub using the latest network technology and high performance exchange connections.

## Product Demonstration

An in-depth product demonstration can be arranged by calling or e-mailing your nearest RTS office.

We would be pleased to discuss any of the range of RTS services, including training programs, consultancy and personal support needs.

## Contact

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T: 312.630.9006

### Frankfurt

T: 49.63.610.090

### London

T: 44.20.7861.0700

### NY

T: 212.328.0330

### Paris

T: 33.1.5353.1429

### Singapore

T: 65.6829.7222

### Stockholm

T: 46.8.442.6190

### Sydney

T: 61.2.8259.3900

E: sales.all@rtsgroup.net

Full address details of RTS offices and RTS Distribution Partners can be found on our Web site.

## Internet

www.rtsgroup.net



# Stellar Trading Systems

Stellar Trading Systems					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X			
Additional Services	Application Hosting		Network Provider		Consulting Services
					X

## General Overview

The Stellar Trading System fulfills the needs of the high-frequency, high-volume professional trader.

Stellar blends the latest technologies with extensive experience to create a scalable, high-performance, institutional-strength trading platform.

We work in partnership with client firms to understand their requirements, responding to functionality requests and tailoring the system where necessary to produce the ultimate trading solution. Whether deployed in a 20 or 100-plus trader operation, Stellar delivers excellent performance throughout the busiest of market conditions. Stellar prides itself in being the best of breed.

## Stellar SpreadMachine

The Stellar SpreadMachine provides automated working and execution of user-defined cross product/cross market strategies. Strategies can be multi-legged with any number of legs working in the market. SpreadMachine strategies are

traded seamlessly alongside exchange-listed products.

## Stellar Risk Management

Stellar provides industry leading pre- and post-trade risk control. The risk manager is presented with a concise overview of all account activity, while drill-down functionality provides detailed information when required. Visual, audible, and e-mail alerts inform the risk manager of limit warnings and potential breaches.

## Stellar Front End

Complete customization of the look and feel of Stellar is possible, allowing a trader to suit his own personal style, or to ease the migration path from a legacy system. The interface has an emphasis on speed of order entry and manipulation.

## Key Features

- Connectivity to all major European and U.S. derivatives exchanges.
- Built for fast and sustained order throughput.
- Ideal platform for automated or algorithmic trading.

- Fully hierarchical user/group modeling and limit setting.
- Comprehensive open API and Excel interface.
- Buy and sell side FIX connectivity.
- Stop and OCO order types across all exchanges.
- Satellite office and remote trader support.
- Hot-failover fault tolerance across all servers and exchanges.
- Server support for Linux and Windows.

## Contact

Stellar Trading Systems  
1 Royal Exchange Avenue  
London EC3V 3LT

### London

T: 44 0 20 7664 6450

### Chicago

T: 312 780 7443

E: [info@stellartradingsystems.com](mailto:info@stellartradingsystems.com)

## Internet

[www.stellartradingsystems.com](http://www.stellartradingsystems.com)



# Townsend Analytics

Townsend Analytics					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

RealTick, created by Townsend Analytics, is the electronic trading industry's premier multi-asset, multi-broker, multi-route and multi-currency market data, analytics and direct-access trading platform. RealTick delivers real-time market data, news, research and analytics; sophisticated trading tools; unrivaled access to exchanges and ECNs; and risk management tools to institutions, broker-dealers and professional and retail traders. RealTick's advanced technical design is supported by state-of-the-art data centers and a redundant network for market data and orders. For more than five consecutive years, RealTick has powered brokerage firm users to the top of rankings by Barron's and Euromoney.

For more information, visit [www.realtick.com](http://www.realtick.com).

### About Townsend Analytics (TAL)

Townsend Analytics is a recognized leader in technology driven trading solutions for the global capital markets and demanding

market makers. For more than 20 years, the Chicago-based company has been a pioneering force in revolutionizing the way the world trades by consistently developing innovative tools, data and infrastructure "firsts" that have become market standards in the financial services industry. These include the first real-time financial software under Microsoft Windows, the first product to provide real-time streaming data over the Internet, the first integrated solution for NASDAQ trading rooms; and the first Windows-based direct-access trading solution. Townsend Analytics also developed Archipelago and the Archipelago Exchange, the nation's first all-electronic, fully open exchange. The firm has engineered trading, content and data, exchange and risk management solutions for broker-dealers, money managers, asset managers, hedge funds and mutual funds worldwide.

Townsend Analytics is a wholly owned, independently operated subsidiary of Lehman Brothers Holdings Inc. (ticker symbol: LEH). For more information, visit [www.taltrade.com](http://www.taltrade.com).

## Contact

### Chicago

Townsend Analytics  
100 South Wacker Drive, 20th floor  
Chicago, IL 60606

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T: 312-621-0141

### RealTick Technical Support

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7:00 a.m. to 7:30 p.m. Chicago Time

T: 800-997-9630  
T: 312-453-0300  
E: [support@taltrade.com](mailto:support@taltrade.com)

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555 Madison Avenue, 11th Floor  
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T: 212-679-9000  
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### Boston

Townsend Analytics  
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## Europe

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Level 6, Tower 42  
25 Old Broad Street  
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E: [sales@taltrade.com](mailto:sales@taltrade.com)

## Internet

[www.taltrade.com](http://www.taltrade.com)  
[www.realtick.com](http://www.realtick.com)



# TradingScreen, Inc.

TradingScreen, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				X

## General Overview

FuturesHub® resolves the inefficiencies of today's Listed Derivatives Trading Systems. FuturesHub®, guarantees to the Buy Side an unbiased choice by providing access to the widest network of FCMs through a single screen or connection.

FuturesHub® normalizes the access to the industry's algorithmic trading offering for Futures and Options. For exchange members, TradeExchange® provides low latency access on demand to any deployed client screen.

The unique advantages of FuturesHub®, coupled with TradingScreen's recognized leadership in multi-asset class trading, flexible execution management interfaces and instantaneous deployment, make this tool the most efficient alternative for Listed Derivatives trading.

## Benefits

- Counterparty neutral access to more than 25 FCMs across all global exchanges including top regional brokers and emerging markets.
- Rich Execution Management Features:
  - Wide order type support: DMA, Discretionary, NOE, Route to desk
  - Position and P&L tracker
  - Basket & Portfolio entry
- Listed Derivatives Algorithmic Trading Hub.
- Two-way pre-certified integration with the leading Order Management Systems enabling real straight through processing.
- Full Strategy Support Across Asset Classes (Multi Leg, Multi-Asset Class, Baskets, ETFs arbitrages).

- Flexible Suite of Trading Interfaces
  - TradeSmart®: a flexible graphical user interface (GUI)
  - TradeExcel™: active trading spreadsheet environment
  - TradeFIX™: a one to many Fix gateway
- TradeExchange® network of fully managed exchange links for exchange members without any infrastructure support or maintenance.
- Integrated multi-asset class support from a single front end.
- A 24-hour, 6-days-a-week customer support team.

## Contact

### TradingScreen Inc.

141 West Jackson Boulevard  
Suite 1572  
Chicago, IL 60604  
T: 1 312 447 0100  
F: 1 312 447 0114  
E: sales@tradingscreen.com

TradingScreen Inc.  
30 Irving Place  
4th Floor  
New York, NY 10003  
T: 1 212 359 4100  
F: 1 212 228 0552

### Internet

www.tradingscreen.com



# Trading Technologies International, Inc.

Trading Technologies International, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

Trading Technologies (TT) develops high-performance trading software for derivatives professionals, including the world’s premier exchanges, money-center banks, Futures Clearing Merchants (FCMs), proprietary traders, independent traders, securities brokers, hedge funds and other trading institutions. The company’s software and services provide direct access to the world’s major derivatives exchanges including CME Group. Headquartered in Chicago, TT maintains offices in New York, Stamford, Houston, London, Geneva, Frankfurt, Hong Kong, Singapore, Tokyo and Sydney.

## About the X\_TRADER® Platform

X\_TRADER, TT’s flagship order entry product, is among the most used futures trading platforms in the world. It incorporates single-click trade execution, high-speed connections to the world’s largest futures exchanges, real-time fill and position details and MD Trader®, a vertical

market depth display that allows immediate reaction to market ebb and flow. Traders can access multiple markets simultaneously via high-speed connections to the world’s leading exchanges.

X\_TRADER® Pro incorporates advanced capabilities and automated trading tools that extend the power of X\_TRADER. Trade inter/intramarket spreads with Autospreader®, execute complex automated trading strategies with Autotrader™ and apply smart order routing technology with Navigator®. X\_TRADER Pro also provides free access to TT’s complete suite of more than 30 plug-in products and the X\_TRADER® API, so you can expand the functionality of X\_TRADER Pro with our off-the-shelf tools or customize and create your own applications to meet your unique needs. Other products on the X\_TRADER platform include the TTNET™ application hosting service, X\_RISK® risk management software, TT Trainer™ trading simulator and FIX connectivity tools.

## Contact

### Chicago – Corporate Headquarters

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 222 South Riverside Plaza  
 Suite 1100  
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 T: 312 476 1000  
 E: sales@tradingtechnologies.com

### New York

T: 212 313 5300

### Stamford

T: 203 564 1485

### Houston

T: 713 568 2000

### London

T: 44 20 7929 6161

### Frankfurt

T: 49 69 2972437 0

### Geneva

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### Hong Kong

T: 852 2166 8665

### Singapore

T: 65 6395 7000

### Tokyo

T: 81 3 4577 8300

### Sydney

T: 612 8022 1700

### Internet

www.tradingtechnologies.com



# ULLINK

ULLINK					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		X

## General Overview

ULLINK is a leading provider of FIX connectivity and trading solutions.

Its core solution, the UL BRIDGE connectivity and order routing platform, enables customers to manage connectivity and order routing to all destinations through a single point. Clients connect their existing applications to the platform, select their destinations in an extensive library of plugins, and start trading. With more than 260 ready-to-trade connections to favorite destinations (brokers, exchanges, order routing networks and trading applications, in all formats and all asset classes), we help our customers build environments that relieve them from technical dependence on a specific vendor.

In addition to this unique connectivity solution, we offer turn key DMA and care order architectures, a full order management system with dedicated sales and dealer interfaces, exception management, best execution and algorithmic trading across the globe.

These flexible solutions are also available in Facilities Management (we host and support the entire solution in the customer's name) or through our global FIX hub, the UL NET.

With offices in New York, London, Paris and Hong Kong, we support clients across time zones.

## Contact

**ULLINK, Inc.**  
 Phillippe Thomas  
 708 Third Avenue, 17th Floor  
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 USA

T: 212-991-0811  
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 E: sales@ullink.com

## Internet

www.ullink.com



CME GROUP-CERTIFIED BROKER  
TRADING APPLICATIONS

# ADM Investor Services, Inc.

ADM Investor Services, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		

## General Overview

For more than 27 years, ADM Investor Services has provided comprehensive futures clearing services to retail, commercial and institutional customers through a network of Introducing Brokers, branch offices and affiliated companies around the world. ADMIS has a long established reputation for providing clients with swift, accurate trade execution and our electronic trading platforms continue this path.

ADMIS' Internet-based order entry systems put the global marketplace only a click away with our rapid order routing capabilities and instant access into all major exchange electronic execution platforms, including the CME Globex system. A market order entered into our electronic order entry systems by you on your PC will be filled and the confirmation sent back to you in under a second. Many of our systems are versatile, Java-based execution tools able to meet your

demanding electronic trading requirements that include market depth trading and real-time market data. They are easily downloadable and multi-platform (Windows/ Mac) with access to ALL major floor and electronic exchanges. Our customers can choose from the following state-of-the-art front-end trading applications:

- ATLAS
- Rolfe & Nolan Edge
- Pats/J-Trader

ADMIS has its own in-house technical support staff available to assist you in finding the right trading tools to suit your trading needs. Per trade commissions at ADMIS are always competitive. ADM Investor Services: We trade the world online.

## Contact

If you are interested in learning more about ADM Investor Services and our electronic trading platforms, please contact:

**ADM Investor Services, Inc.**  
1600A Board of Trade Building  
141 West Jackson Blvd.  
Chicago, Illinois 60604

Ron Grossman  
T: 800-243-2649  
E: ron.grossman@admis.com

**ADMIS International**  
10th Floor, Temple Court  
11 Queen Victoria Street  
London EC4N 4TJ

Mark Fox Andrews  
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**ADMIS Hong Kong Limited**  
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Hong Kong

Eric Wong  
T: 852 2537 3770

Internet  
www.admis.com



# Bank of America

Bank of America					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
		X	X	X	
Additional Services	Application Hosting		Network Provider		Consulting Services
		X		X	X

## Contact

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 T: 212-497-4446  
 david.m.brent@bofasecurities.com

## Internet

www.bofa.com/ets

## Futures Trading at Bank of America

As an investment professional, you expect full access to a wide range of futures products and services. To facilitate institutional clients, there is a need for a robust, flexible, global infrastructure. Drawing on more than 20 years in the futures industry, Bank of America has expertise in futures clearing and execution and prime brokerage services.

## Flexible Execution Across Futures and Options on Futures Products

- Global 24-hour execution strategically located in New York, London and Tokyo
- Access the markets via Bank of America's Electronic Trading Services portal or your preferred trading system
- Smart order routing available through the Financial Information Exchange (FIX) Protocol or proprietary API

## Global Clearing Customized to Meet Sophisticated Business Requirements

- Clearing services offered on more than 50 global exchanges
- Consolidated futures and options on futures clearing
- Flexible margin capabilities
- Multi- or single-currency settlement
- Global, institutional client focus

## Access to a Global Research Network

- Commodities
- FX
- Rates
- Debt
- Equities

## Comprehensive Reporting and Inquiry Services Delivered via:

- Secure, Web-based reporting and query tools
- FTP, e-mail, fax and other means to meet your needs
- PrimeBroker.com, our Web-based consolidated Prime Brokerage reporting platform
- Automated trade reconciliation tool



# Credit Suisse PrimeTrade

Credit Suisse PrimeTrade					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

PrimeTrade provides users with secure and direct access to the world's electronic-listed derivatives exchanges utilizing Credit Suisse's global memberships. This user-friendly system provides clients with the ability to trade in any listed derivative market from anywhere in the world utilizing advanced functionality.

If you have your own GUI or OMS, we can easily meet your connectivity needs. PrimeTrade is compatible with FIX and supports post-trade API's.

If it is straight through processing that you require, PrimeTrade is fully integrated with PrimeClear, offering real-time transaction processing and settlement. Using a single platform to deliver critical information for both your front and back office will increase control and efficiency. Why look anywhere else for your listed derivatives trading and clearing needs?

## Contact

### New York

T: 212-325-5319

### London

T: 44 207 888 4859

### Sydney

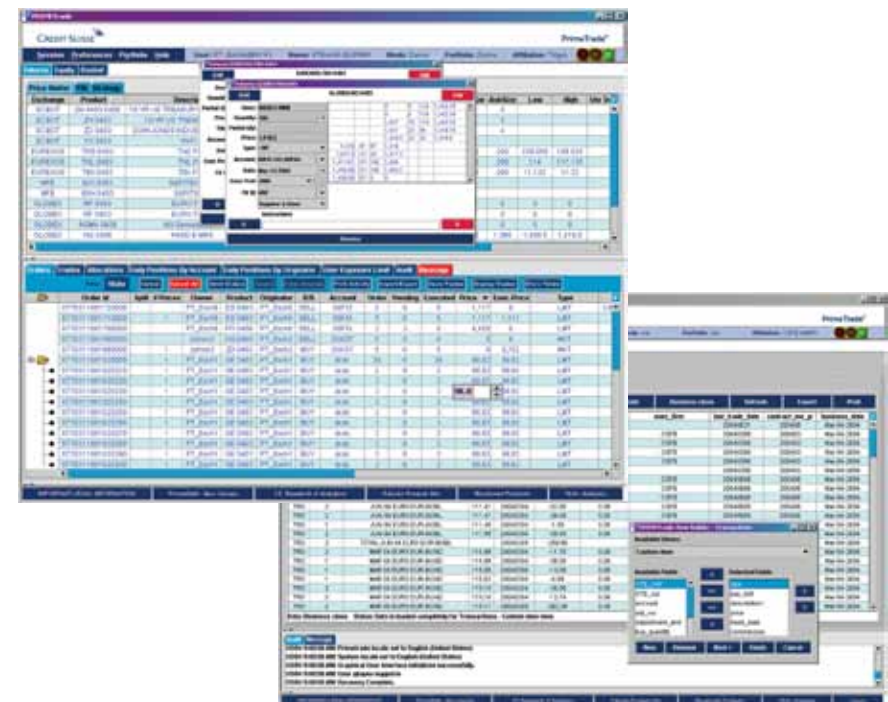
T: 61 2 8205 4333

### Tokyo

T: 81 3 4550 9455

### Internet

www.csfb.com



# HSBC

HSBC					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

Futures Direct, HSBC's front-end trading platform, provides institutional clients access to CME Globex and other exchanges worldwide. As the starting point of HSBC's straight through processing solution, Futures Direct is a flexible and easy to use system that combines robust technology with global support. Screens are fully customizable and offer a variety of order entry options. Futures Direct also delivers full order management capabilities; clients can view all activity and pass the book internally or to HSBC execution desks around the world. HSBC customers also enjoy 24 hour trade, technical and operational support and service.

Clients can connect to Futures Direct either via a VPN or the Internet (Internet Explorer required). Futures Direct is downloaded from HSBC servers, avoiding the necessity of client site installation. System security is provided by 128 bit encryption and password protection. There are no monthly fees.

HSBC Global Futures is a core business of the HSBC Group, one of the largest and most respected financial organizations in the world. Comprehensive futures execution and clearing services combine with cross product research and coverage to give our institutional client base unparalleled access to global markets.

## Contact

### Americas

HSBC Securities (USA), Inc.  
452 5th Avenue  
New York, New York 10018

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### Asia

The Hongkong and Shanghai  
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1 Queen's Road Central  
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Craig Roberston  
Head of Futures Asia-Pacific  
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### Internet

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## Interactive Brokers (IB)

Interactive Brokers (IB)					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X		X		
Additional Services	Application Hosting		Network Provider		Consulting Services

### General Overview

Futures: GTC (native), GTD (simulated), GAT (simulated), iceberg (simulated), limit (native), market (simulated), market-to-limit (native), stop (simulated), stop limit (native) and trailing stop (simulated). Options: limit (native) and GTC (simulated). Accounts: independent traders, advisors, institutions and brokers.

### General Overview

Interactive Brokers' (IB) trading platform, the Trader Workstation (TWS), provides direct access to the CME Globex electronic trading platform. Please note that TWS also provides access to 37 market centers in 14 countries, and direct access to more than 40 markets in 13 countries for trading stocks, options, futures, Forex and ETFs.

### Commissions

Trade futures and futures options through the IB TWS for \$2.40 per side.

Interactive Brokers offers two pricing structures for futures. Bundled, which is a fixed rate per contract, and unbundled, which more closely matches the pricing

structure of the exchanges, provides for volume discounts and allows exchange discounts for members.

### Trader Workstation (TWS)

This easy to use order management system is written in Java and is available for Windows, Macintosh and Unix systems. Traders enter numerous ticker symbols in a spreadsheet-like interface for stocks, options, futures, single stock futures and exchange-traded funds. Once a product is entered in the TWS, real-time market data can be displayed on the screen. You can enter orders with a few clicks of the mouse. Order entry is fast since TWS does not require a "time-consuming" order ticket window and multiple products can be traded from the same screen. In addition, numerous movable and detachable trading page tabs allow traders to arrange their portfolios.

### Application Programming Interface

IB offers an Application Program Interface (API) to its Trader Workstation that may interest the technically inclined. Through the API, traders and trading technology

vendors can link into our system using Java, C++, ActiveX, Excel, and Visual Basic to customize their trade order interface and trading strategies.

### FIX Connectivity

Advisors, Introducing Brokers and institutions may enter orders and receive execution reports through the CTCI, which uses the FIX protocol.

### Network Connections

Advisors, Brokers and Institutions can connect to the IB trading system through the public Internet, an Extranet provider or dedicated lines.

### Contact

#### United States

One Pickwick Plaza  
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E: [help@interactivebrokers.com](mailto:help@interactivebrokers.com)

#### Australia

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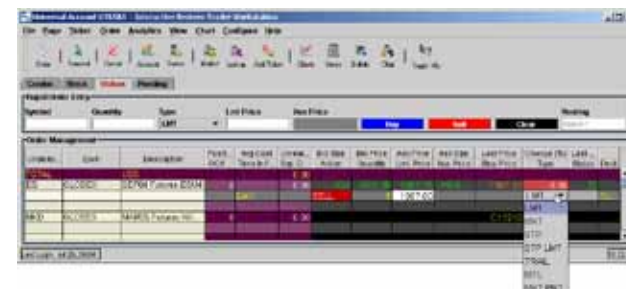
10 Arthur Street  
1st Floor

London EC4R 9AY, UK

T: 44 207 283 5070

### Internet

[www.interactivebrokers.com](http://www.interactivebrokers.com)



# Lind-Waldock LindConnect

Lind-Waldock LindConnect					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

LindConnect is Lind-Waldock's browser-based trading application that offers the freedom and flexibility of trading on any computer with an Internet connection. LindConnect provides direct access into our sophisticated trading engine, and it's free to use.

This dynamic online trading platform features:

- User-friendly order placement and position tracking.
- Preloaded codes and specifications for popular futures markets.
- Daily statements provided online or via e-mail for you to review your trading activity and present position value.
- Easy access to free quotes, charts, news and weather information.
- Customizable snapshot and streaming quotes.

- The "Reference Shelf" keeps you informed of exchange developments, product news, contract specifications, margin requirements and more.
- Free \$50,000 simulated trading account allows you to practice trading on LindConnect for 30 days.

## Updates

Visit Lind-Waldock's Web site at [www.lind-waldock.com](http://www.lind-waldock.com) to find out more about LindConnect, or contact Lind-Waldock by calling 800-445-2000.

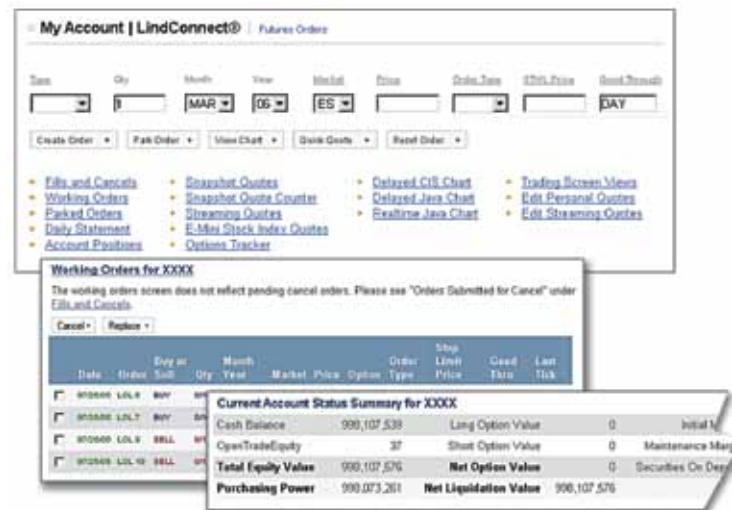
## Contact

Lind-Waldock  
141 West Jackson Blvd.  
Suite 1400-A  
Chicago, Illinois 60604

T: 800-445-2000  
E: [tradefutures@lind-waldock.com](mailto:tradefutures@lind-waldock.com)

## Internet

[www.lind-waldock.com](http://www.lind-waldock.com)



# Lind-Waldock Lind Xpress

Lind-Waldock Lind Xpress					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

Lind Xpress is Lind-Waldock's proprietary, downloadable, real-time trading application. Built by traders for professional traders, Lind Xpress is a fast, flexible and powerful trading platform.

Lind Xpress can be downloaded from the Lind-Waldock Web site for free at [www.lind-waldock.com](http://www.lind-waldock.com).

This functionally rich platform features:

- Access to a wide variety of markets, both open outcry and electronic.
- Support for all major order types.
- Market depth – five-deep, in up to five markets; one-click order entry from market-depth pane.
- Streaming quotes and real-time snapshot quotes with one-click order entry.
- Price alerts.
- Real-time interactive Java Charts.
- Free quotes, charts and news.
- Multiple order entry modes to accommodate different trading styles.

- Parked orders.
- Double-click trade offsetting and trade reversing.
- Customizable fills and positions summaries and customizable fill notifications.
- Simultaneous access to multiple accounts.
- Real-time mark-to-market account valuation.
- Statements that show up to two months of historical data.
- Customizable and savable screen layouts.
- Integrated Web browser.
- Simulated trading in a \$50,000 hypothetical trading account, free for 30-days.

## Updates

Visit Lind-Waldock's Web site at [www.lind-waldock.com](http://www.lind-waldock.com) to find out more about Lind Xpress, or contact Lind-Waldock by calling 800-445-2000.

## Contact

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## Internet

[www.lind-waldock.com](http://www.lind-waldock.com)



# Morgan Stanley

Morgan Stanley					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X		X	X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		

## General Overview

Morgan Stanley's global Listed Derivatives services offer clients seamless, 24-hour access to the world's financial markets. With connectivity to 46 exchanges in 26 countries, Morgan Stanley's execution and clearing services are a global offering for all the products you trade. Our execution and clearing services are designed for frictionless straight-through processing, enabling our clients to take control of the entire investment process, from pre-trade analysis, to online trading and trade confirmations. However you trade futures and options, Morgan Stanley can add value at every point in the process.

Morgan Stanley offers three ways for our clients to connect electronically to the world's derivatives exchanges:

- Self-execution through Passport Express, Morgan Stanley's electronic platform for futures and options trading.
- Self-execution through Passport Windows, Morgan Stanley's multi-asset electronic trading platform.

- Direct Market Access (DMA) via FIX message order routing to send orders directly to a specific exchange or electronic communication network.

**Passport Express** – customizable streaming quotes pages; market depth trading views; spread trading matrix; configurable order blotter; real-time positions; multi-exchange legging; trading support available 24 hours a day, five days a week.

**Passport Windows** – single, global platform for multiple asset classes and regions; drag and drop functionality for customizing quote panels and allocating trades; multiple trade entry methods; Morgan Stanley Smart Order Routing Technology (SORT) Morgan Stanley Benchmark Execution Strategies (MS BXS) –systematic and dynamic order execution strategies that augment trader skills and improve productivity in today's fragmented and high-frequency global markets. Trading support available 24 hours a day / five days a week.

**Direct Market Access (DMA)** – access to all trading regions and assets classes with a single FIX session; sophisticated

monitoring ensures highest levels of availability and recoverability; Client Flow Manager tool helps clients establish risk limits and monitor order and execution information; FIX infrastructure accommodates message content requirements of vendor provided and proprietary Order Management Systems.

We are dedicated to providing our clients with optimum service on a global scale. With more than 20 years of experience providing execution and clearing services, our Listed Derivatives team includes more than 100 sales and marketing, execution, clearing and trade processing professionals globally.

Morgan Stanley's execution desks in New York, Chicago, London and Tokyo provide seamless 24-hour trading services and support.

The global Listed Derivatives Operations group provides trading support services from six offices located strategically around the world: New York, Chicago, Baltimore, London, Hong Kong and Tokyo.

Over 20 Morgan Stanley offices around the world provide local exchange support.

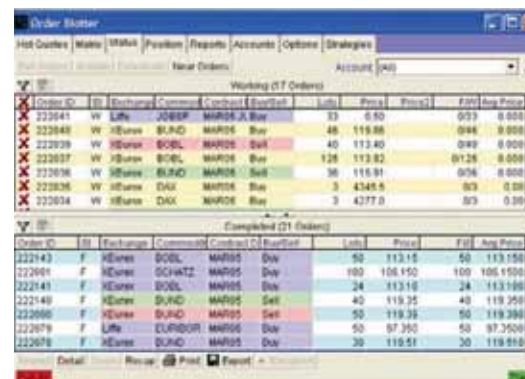
## Contact

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T: 212-761-1093  
T: 800-227-7987

Chicago  
T: 312-706-4109  
T: 800-621-2120

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T: 800-998-0893

Tokyo  
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# PFG, Inc. BESTDirect Online Trading

PFG, Inc. BESTDirect Online Trading					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

PFG's proprietary BESTDirect trading platform is one of the most user-friendly online order entry systems available today. It was built with the features that professional traders demand – ease of operation and risk control.

Features of BESTDirect 7.0 include:

- Multiple accounts on one screen.
- Quote window provides real-time quotes with bid or ask and option for multiple market viewing.
- Depth of market and real-time streaming charts for select markets.
- Real-time account status with streaming P/L.
- Real-time price ladder highlights the “last” in the center for ease of placing limit and stop orders.
- Price box features drop down prices.
- Accepts Limit, GTC, stop, market and MIT orders.
- Performance summary gives you a statistical view of your trading day.
- Quick trade ticket streamlines trading one specific market at a time.
- Join the bid or ask in one click.
- Order Management section shows all your trades placed through BESTDirect – working, filled, cancelled or rejected orders are color-coded for easy viewing.
- Refresh Function maintains updated positions and reporting information.

Contact a PFG Customer Relations representative or log on to [www.pfgbest.com](http://www.pfgbest.com) for live and free demo account openings or more information.

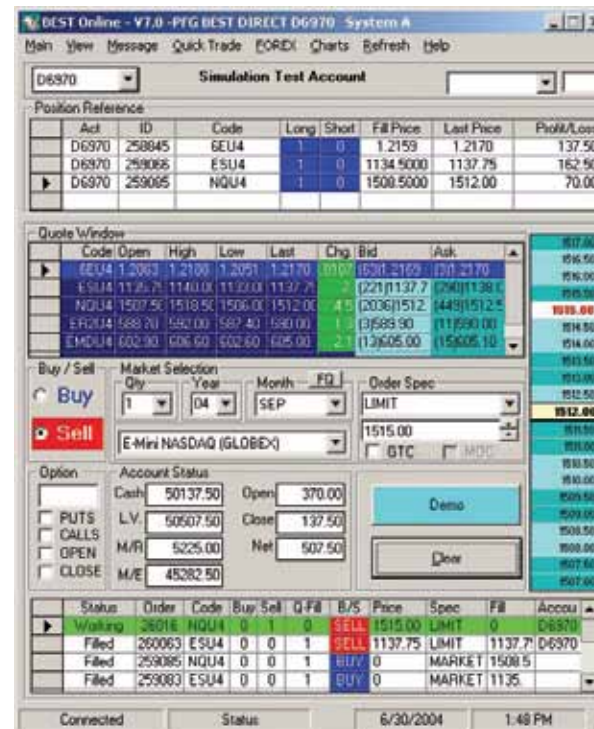
## Contacts

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190 S. LaSalle Street, 7th Floor  
Chicago, IL 60603

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T: 312-775-3000

## Internet

[www.pfgbest.com](http://www.pfgbest.com)



# Prudential Bache Commodities, LLC.

Prudential Bache Commodities, LLC.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		

## General Overview

Prudential Bache Commodities, offers several front-end trading applications that connect a user, either directly or via the Internet, to the CME Globex electronic trading platform. We currently offer software developed by ISVs. This software is installed on our customers' own PCs.

Connectivity to CME Globex, and other Electronic exchanges is provided over the Internet via secure (VPN) software, leased lines or through third-party network providers. Prudential Bache Commodities technology experts will work with you in order to ensure that the connectivity option you choose is the one that best meets your individual requirements.

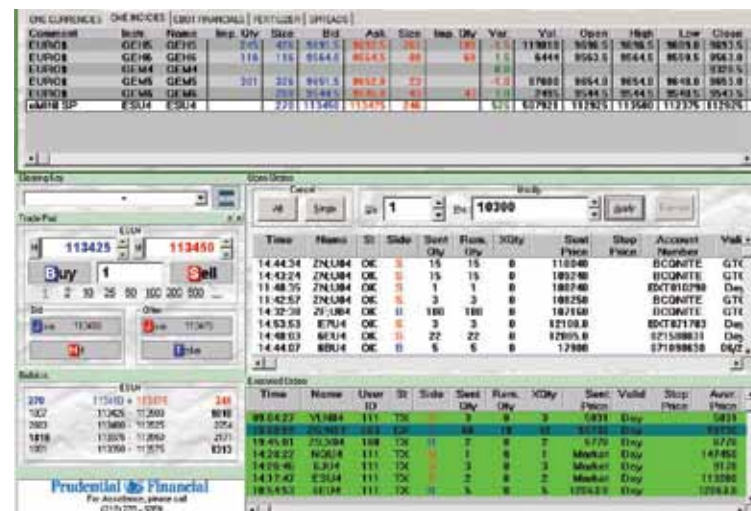
## Contact

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 E: Scott\_Mehlman@Bache.com

**UK, Europe and Asia**  
**Ian Anderson**  
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 T: 312-588-5500  
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# Quantitative Brokers

Quantitative Brokers					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X			
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

Quantitative Brokers' algorithms are specifically designed to help traders reduce their slippage costs by navigating the complex order books of the CME Eurodollar and Treasury market. The strategies behind our algorithms answer the following questions regarding optimal order book placement:

- How much size should I show?
- When is the best time capture implied liquidity?
- How do you properly calculate the presence of hidden liquidity?
- When is the right time to start trading calendar rolls?

Using data from our proprietary ticker plant, the algorithms process rich, high-speed analytics on every tick. Our production infrastructure is proximity hosted at the Equinix Datacenter in Chicago, resulting in low-latency market data signals and order placement.

As independent broker, Quantitative Brokers can work with your existing FCM to achieve better execution while maintaining your existing allocations process.

### Benefits:

- No software. No license. No up-front costs
- Broker-neutral: access QB's algorithms directly via FIX or your preferred EMS or OMS platform
- Risk controls: FCM has access to pre-trade risk management
- Connect to QB securely via major ex-tranet providers
- Multi-leg orders (spreads and butterflies) supported
- Transaction cost analysis: view your daily post-trade slippage analysis (pictured)

## Contact

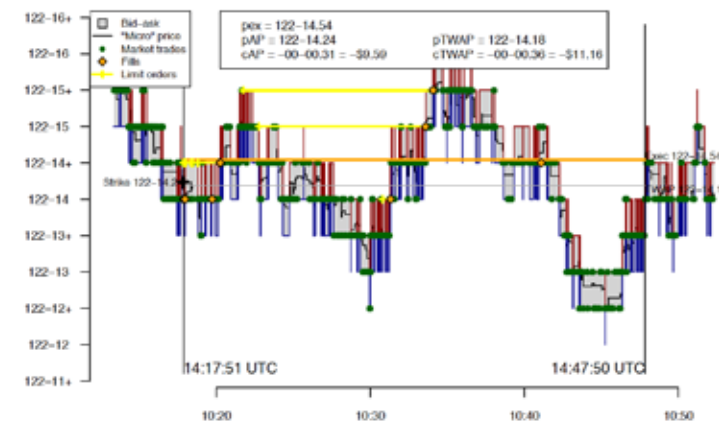
### Quantitative Brokers

T: 646-293-1850

E: Sales@Quantitativebrokers.com

## Internet

www.quantitativebrokers.com



# Rand Financial Services, Inc.

Rand Financial Services, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

Rand Financial Services, is proud to offer RandConnect, the finest online trading system in the global futures industry. RandConnect provides fast and dependable access to all major electronic and open outcry futures exchanges.

It is the latest example of Rand's commitment to provide clients with leading-edge technology.

RandConnect connects the user via the Internet or direct connection to the global marketplace. This cutting edge technology is available to both clearing and execution clients. For non-clearing FCMs and IBs, RandConnect can be rebranded and deployed to any number of end-users.

The system features:

- Single screen direct access to global markets
- Futures, spreads and options
- Live quote feeds
- Depth of market
- 24/6 client support
- Scalable
- Internet or direct-connection
- API availability for front-ends
- Easily rebranded

## Contact

Vickie Lambert

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E: vlambert@randfinancial.com

## Internet

www.randfinancial.com



# R.J.O'Brien & Associates

R.J.O'Brien & Associates					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X		X		

## General Overview

RJO embraced technology early on, and today offers a robust proprietary order routing network. As a core competency, RJO's network combines direct connections to the world's largest futures Exchanges, use of handhelds in Chicago and New York, Straight Through Processing of electronic trades and 24-hour execution on every futures exchange worldwide. As an added feature, RJO offers Direct Market Access (DMA) for clients who have a need for low latency connectivity to the exchanges.

Additionally, RJO provides clients with four trading options. Although all of the applications boast connectivity to RJO's order routing environment, each application offers specific benefits designed to service different customer's needs:

- RJO Vantage is the newest application. It is downloadable and installed on a trader's PC. Targeted to the individual, Introducing Broker and high velocity traders, RJO Vantage includes streaming quotes, Depth

of Market, click based trading, and real-time account information.

- RJO WEBOE is RJO's browser based solution. As a Web-enabled application, the product is suitable for any customer with a connection to the Internet and a Web browser. No special client configurations or installation of software is needed.
- RJO CONNECT provides clients who have their own trading application connectivity to the raw RJO order routing network and in turn, to all of the exchanges to which RJO has access. This solution provides a highly efficient connection for 'black box' algorithmic traders, as well.

For both end applications and for the order routing network, RJO has chosen to build, rather than buy, whenever possible. The proprietary nature of RJO's solution affords clients a customized experience without sacrificing control and quality and allows users to create and transmit orders with speed and efficiency. This fact has not

restricted RJO from forging relationships with the industry's most reputable Independent Software Vendors (ISVs), such as CQG and Pats Systems. Together, these relationships round out the proprietary product line and expand RJO's reach to every facet of the futures industry.

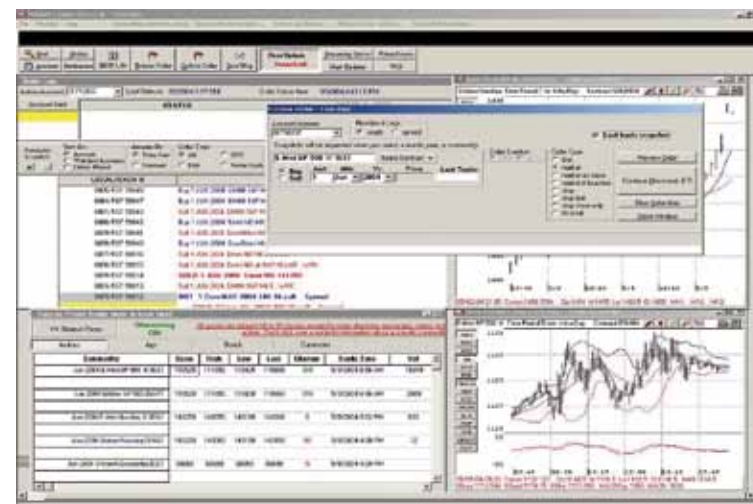
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## Internet

www.rjobrien.com



# TransAct Futures

TransAct Futures					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X			
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

TransAct Futures is a Futures Commission Merchant (FCM) and technology firm providing aggressively-competitive clearing, technology and support services to active electronic futures traders and institutional futures trading clients, including:

- Large-volume individual traders
- Foreign/domestic introducing brokers
- Hedge funds
- CTO/CPO
- Banks

TransAct Futures has developed intuitive and stable software leveraging six years development in TransAct's own proprietary trading group.

### Individual futures traders:

#### TransActAT™ Active Trading Platform

Compare TransActAT features and performance to those of the other top trading platforms and you'll find that TransActAT is similar to most, but faster, more stable and streamlined than many.

Ideal for active futures scalpers, inter market spreading, arbitrage and position traders.

### CTA's, CPO's and those trading multiple accounts: TransAct BrokerBook™

TransAct's multi-account brokerage trading platform allows brokerage professionals to utilize user-friendly pull-down menus and keywords to watch the trading activity of up to 300 customers, adjust account and risk parameters and do it all in real time.

### Introducing Brokers and Proprietary Trading Firms: TransAct RiskWatcher™

TransAct Futures' assertive risk management system offers the ability to set individual trader gain/loss parameters that, when met, automatically liquidate the account's open trades.

## Contact

### TransAct Futures

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Bill Zimmerman

T: 312-431-1288

## Internet

[www.tFutures.com](http://www.tFutures.com)



# TradeStation Securities, Inc.

TradeStation Securities, Inc.					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services
					X

## General Overview

TradeStation supports trading in equity index futures, currency futures, interest rate futures, agricultural commodities, and industrial commodities as well as other markets. The platform provides tools for customizing, back-testing and real-time automation of trading strategies in these and other markets.

For the client or small group with a desire for personal and customized training, TradeStation Securities offers one-on-one or small group training sessions for EasyLanguage and Strategy Automation. Other services and solutions are available by request. In addition, TradeStation offers nationwide live and Web-based training classes and written learning materials.

TradeStation Securities, Inc. is a leading online brokerage firm that serves the active trader and certain institutional trader markets. The company's core product/service is TradeStation, a Direct Market Access (DMA) electronic trading

platform that enables traders to test and automate "rule-based" or "quantitative" trading strategies across multiple asset classes; namely, equities, equity options, futures and foreign currencies (forex). The TradeStation electronic trading platform seamlessly integrates powerful strategy trading software tools, historical and streaming real-time market data, and direct-access order-routing and execution. The TradeStation electronic trading platform also offers state-of-the-art advanced order placement functions, powerful automated and manual order placement capabilities, and numerous advanced charting and analytics features.

## Contact

TradeStation Securities, Inc.  
T: 800-808-9336

## Internet

[www.TradeStation.com](http://www.TradeStation.com)



# UBS

UBS					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		
Additional Services	Application Hosting		Network Provider		Consulting Services
	X				

## General Overview

UBS provides global coverage for institutions. UBS is one of the best capitalized financial institutions in the world, with invested assets of USD 1.7 trillion and a market capitalization of USD 75.6 billion.

Growth in the U.S. is a major part of our strategy. The acquisition of Paine-Webber and, more recently, the Capital Markets division of Charles Schwab and ABN AMRO's U.S. Prime Brokerage business, means we are now also one of the fastest growing investment banks in the Americas.

Our first priority is our clients' success. As an integrated firm, UBS creates added value for clients by drawing on the combined resources and expertise of all its businesses. As an organization, UBS combines financial strength with a global culture that embraces change.

UBS was awarded the Best Global Investment Bank award by *Euromoney* in 2004.

## UBS Investment Bank is the right execution partner

- Our front office staff specializes in gathering and interpreting time-critical information from a wide array of sources, enabling our clients to make informed trading decisions around the globe.
- We offer customized economic data analysis on demand and provide feedback on global economic data and its impact.
- Whether it's watching important price targets or keeping clients aware of information affecting their business, our proactive approach to account management leads to positive results.
- Our clients enjoy a single point of contact for all of their account management needs, which means quick responses and fast problem solving.
- We have, and continue to invest in, leading-edge execution technology to provide rapid access to all screen-based markets.

**Customized trading solutions:** UBS offers a complete range of trading solutions, tailored to each clients needs, featuring customized connectivity solutions, global direct market access, FIX connectivity, order routing, post trade analytics and STP capabilities.

**Bloomberg Tradebook:** A futures' trading application offering the complete package of market data, news, messaging, analytics and futures trading in one, FIX-enabled application delivered over a secure, global network. You can trade directly on CME Globex from your Bloomberg screen, giving access to advanced futures trading functionality including packs, bundles, butterflies and specially designed currency futures trading screens.

**SwisKey:** A secure, browser-based, electronic execution and portfolio order routing solution, providing access to financial and commodity futures markets on more than 50 exchanges globally.

**FIX:** Clients are able to connect trading and risk applications to route multi-product orders globally through a single connection to UBS, leveraging UBS exchange memberships and technology.

All UBS applications are designed with advanced, straight-through-processing technology, linking our clients trading and risk systems with operations and settlements.

## Contact

### Americas

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 E: darrell.mcconnell@ubs.com

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 E: paul.orchard@ubs.com

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# CME EOS Trader™

CME EOS Trader					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X		X
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

CME EOS Trader is a Web-based front-end system provided by CME Group. It provides comprehensive electronic access to options markets for CME Group Interest Rate, Equity, FX and Commodity products. It also provides basic access for trading CME Group futures as well as NYMEX products.

CME EOS Trader makes electronically trading CME Group options easier than ever. Connect over the internet and enjoy direct access through CME Globex, virtually 24 hours a day. Get unsurpassed liquidity and transparency and take advantage of enhanced functionality.

## Benefits

- The Strategy Builder Window which allows for quick and intuitive creation of complex strategies
- Request for Quote (RFQ) and Request for cross (RFC) capabilities
- Shared Order Book functionality
- 24-hour support by the CME Globex Control Center (GCC)

## Strategy Builder Window

- Use to quickly create custom User Defined Strategies
- Simplifies creation of Delta Neutral or “Covered” strategies

## Contact

CME Group Customer Service  
T: 800-331-3332

## Internet

[www.cmegroup.com/eostrader](http://www.cmegroup.com/eostrader)



# CME GALAX-C Handhelds

CME GALAX-C Handhelds					
CME Group Supported Trading Functionality	Futures	Spreads	Options	Options Market Making Capabilities	Enhanced Options Functionality
	X	X	X	X	
Additional Services	Application Hosting		Network Provider		Consulting Services

## General Overview

On the CME Group trading floors in Chicago, traders can access CME Globex products through the CME GALAX-C electronic handheld trading system, an application and hardware provided by CME Group.

CME GALAX-C handhelds support direct access to futures, options and spreads available on CME Globex. It is available in wireless PDA and Tablet PC formats.

## Benefits of CME GALAX-C handhelds

- Trade any instrument listed on CME Globex, including CME, NYMEX and COMEX products
- Submit Limit and Fill and Kill (FAK) orders types
- Cancel by price level, contract, all bids, all offers or global cancel
- View the five best bids and offers and Net Position
- Send and receive Request for Quotes (RFQ)
- View and trade the underlying futures on the options and spreads screen

## Contact

**Tom Clark**  
312-338-2691

**Laura Giacomino**  
312-930-8259

**Brian Linker**  
312-930-1406

## Internet

[www.cmegroup.com/globex](http://www.cmegroup.com/globex)





# Advantage Futures

## General Overview

Advantage Futures ranks as one of the highest volume clearing firms in the industry, exceeding 1.5 billion contracts processed during the past six years. With an emphasis on superior technology, responsive risk management, customizable back office operations and highly personalized client services, Advantage Futures is the consummate clearing firm for institutions, hedge funds, CTAs, proprietary trading groups and professional traders. Skilled, dedicated personnel provide the most comprehensive, technology-driven clearing and execution services to enable successful and efficient trading. Advantage Futures is a full clearing member of CME Group (including CBOT, NYMEX and COMEX), LIFFE, ICE U.S., ICE Europe, Montreal, The Clearing Corp, Options Clearing Corp., CBOE, CFE and a technical clearing member of Eurex.

When you open an account with Advantage Futures, you not only trade, you Trade Up – to quicker connections, superior service and competitive pricing. At Advantage, you focus on trading while we manage every other detail to your complete satisfaction. Some highlights include:

- World-class technology infrastructure including a redundant gigabit cross connect to CME LNET at our Equinix Chicago data center and two 100MB redundant exchange connections direct to CME Group
- Server collocation services at our six data centers located in Chicago and Frankfurt, Germany
- Experienced management team
- 24-hour technology support
- 24-hour risk management
- 24-hour operations support
- 24-hour Global Execution Desk
- Dedicated, responsive client service teams
- Accurate Daily Statements, with prompt delivery
- Access to most domestic and foreign exchanges through both direct clearing memberships and correspondent broker relationships
- Multiple Advantage Futures facilities with trading space for clients, all outfitted with fiber connections
- Support for all major front-end platforms, including Trading Technologies, CQG, RTS and Patsystems
- Technology consultation, including hardware analysis and implementation services
- Fully redundant back office system at our disaster recovery facility
- Diverse institutional client base with high-volume execution expertise and value-added trade ideas

Advantage Futures continues to demonstrate record growth with more than \$374 million in client funds on deposit (as of August '09) through our dedication and commitment to focus on the client.

To learn more about Advantage Futures, please visit our Web site at [www.advantagefutures.com](http://www.advantagefutures.com) or contact one of our client representatives at 312 756 6460.

## Contact

### Advantage Futures Headquarters

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## Cornerstone Trading, LLC.

### General Overview

Cornerstone Trading, LLC is a Chicago-based trading firm established in 1993. Our Member Trader Organization (MTO) facilitates professional traders and market-makers trading in all major futures, options and stock markets. Our business model focuses on streamlining the trading operation for experienced traders. We provide our traders with the advanced trading tools, technology and support necessary to operate a successful trading business. We accept for membership only experienced professional traders.

Put your trading ideas to work. Apply today.

### Contact

#### **Cornerstone Trading, LLC.**

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### Internet

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## Dorman Trading, LLC

### General Overview

Dorman Trading, LLC, has been serving the professional trading community for more than 30 years. We have been the primary clearing firm for hundreds of floor traders and brokers. As those floor traders migrate from the floor to the screen, we have endeavored to provide them with access to all the markets and the best tools to trade those markets.

We offer electronic access to all the U.S. markets and Eurex. Our trading platforms and front ends include, X\_Trader from Trading Technologies, Dorman Direct and Ninja Trader powered by Zenfire.

Our goal is to provide our professional electronic traders with the same level of service and support that we offer to our floor trader. Please contact us to discuss the “Dorman Difference” or visit our Web site at [www.dormantrading.com](http://www.dormantrading.com).

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Daniel Dorman

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#### **Daniel Dorman**

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## Geneva Trading

### General Overview

Geneva Trading's foundation as a proprietary trading firm is in the knowledge and experience of our management team. Our continued success lies in passing on that knowledge to the individuals we select, teach and develop. Since 1999, Geneva has trained hundreds of individuals with and without trading experience, providing them the proper trading tools and methods needed to succeed and excel in today's dynamic global markets.

Geneva is a global firm with headquarters in Chicago. Our proprietary traders execute many different high frequency, longer term and quantitative trading strategies across every time zone in: fixed income, foreign exchange, stock indices, energy and commodities.

### Trader Trainee program

We offer a structured, rigorous training program that teaches individuals with little or no trading experience the methodologies that have made us successful while encouraging "self-developed" techniques. Geneva's trainees learn about the contracts we trade on exchanges around the world and how to use fundamental and technical trading instruments to identify opportunities, avoid pitfalls and manage risk.

### Experienced traders

If you are a successful proprietary or independent trader who wants to move to a firm where you are in a partnership with the management team, Geneva is the place for you. We promote and foster a cooperative team building approach that allows seasoned traders to challenge themselves as well as diversify into new markets and strategies.

### Our goal

As an electronic trading firm, Geneva is committed to providing its traders with cutting-edge technology and the most reliable access to global financial markets. In today's competitive marketplace, our technology is second to none in the industry and part of the critical edge we provide to our traders.

Our goal is simply to generate income from the trades and strategies we execute. Traders we bring on board help us accomplish that. There are no hidden fees or agendas. We make money when our traders make money, so we give them the tools and information they need.

### Contact

As Geneva continues to grow, we seek bright, competitive individuals with a demonstrated willingness to take on big challenges – and win. To be considered for a trading position, please send your resume and a cover letter to [jobs@geneva-trading.com](mailto:jobs@geneva-trading.com).

## Interactive Brokers Group

### General Overview

Interactive Brokers Group, together with its subsidiaries, is an automated global electronic market maker and broker specializing in routing orders and executing and processing trades in securities, futures and foreign exchange instruments on more than 80 electronic exchanges and trading venues around the world.

As a market maker, we provide liquidity at these marketplaces and, as a broker, we provide professional traders and investors with electronic access to stocks, options, futures, Forex, bonds and mutual funds from a single IB Universal Account<sup>SM</sup>.

Employing proprietary software on a global communications network, Interactive Brokers Group continuously integrates its software with a growing number of exchanges and trading venues into one automatically functioning, computerized platform that requires minimal human intervention.

Interactive Brokers is a dynamically growing company with offices around the world. Starting with the revolutionary introduction of the first floor-based, handheld computer in 1983, IB has remained at the forefront of trading innovation. If you excel in your field and thrive in a fast-paced, results-driven environment, Interactive Brokers encourages you to apply today.

### Contact

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T: 203-618-5800

### Internet

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# Willowbrook Trading, LLC.

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## General Overview

Willowbrook Trading, LLC is a privately held enterprise with an infrastructure set up to provide capital and/or connectivity to successful professional futures, options and stock traders.

Willowbrook Trading considers itself a facilitator, or conduit, for successful traders to conduct their business so the professional can concentrate on the trading process and function. We provide capital and ancillary facilities so the trader can pursue their respective trades with the confidence of speed and capital. Our goal is to provide state-of-the-art trading platforms and networks and a strong capital structure to allow our team of traders to be the most successful traders in the proprietary and trading arcade business.

## Contact

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Futures trading is not suitable for all investors, and involves the risk of loss. Futures are a leveraged investment, and because only a percentage of a contract's value is required to trade, it is possible to lose more than the amount of money deposited for a futures position. Therefore, traders should only use funds that they can afford to lose without affecting their lifestyles. And only a portion of those funds should be devoted to any one trade because they cannot expect to profit on every trade. All references to options refer to options on futures.

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