



# Exchange Connectivity

The Fastest, Most Reliable Connections to the World's Derivatives Exchanges

## Accuracy. Stability. Speed.

These are the hallmarks of the X\_TRADER platform from Trading Technologies (TT).

TT pioneered the development of electronic derivatives trading. Loaded with innovative features, supremely reliable and reflex-fast, TT's X\_TRADER platform is the front-end screen of choice for professional derivatives traders around the world.

TT provides connectivity to the primary derivatives exchanges through the world's major global clearing firms. As a futures trader, you can use the X\_TRADER platform to trade derivatives in virtually any market.

Some of the world's most successful traders depend on X\_TRADER to manage their trades. Do they know something you don't know?

See what you've been missing. Contact a Trading Technologies representative and harness the extreme performance of X\_TRADER.

TT's exchange connectivity solutions provide you with robust, high-performance, reliable gateways to the world's major derivatives markets. TT's gateways deliver real-time market data and high-speed order execution. All TT gateways go through extensive functionality and performance testing to bring you the most reliable and secure exchange connections in the derivatives industry.

## Benefits of a TT Gateway Solution

- Provides fast and reliable market connectivity
- Runs seamlessly on Windows 2000 or Windows 2003 servers
- Enables use of TT's market leading X\_TRADER® screen and patented MD Trader® technology to access any tradable market or asset class
- Allows customization of X\_TRADER using the X\_TRADER API
- Supports spread and strategy trading through TT's Autospreader® and Autotrader™ tools, and supports black box and algorithmic trading via TT's FIX Adapter and X\_TRADER API
- Provides access to dedicated business and technical teams to assist with market connectivity
- Delivers real-time market data including market depth
- Incorporates complete event logging and audit trail

## Speed

TT has earned a reputation as the market leader when it comes to speed. TT gateways provide high-performance connectivity to the global markets. TT's robust price servers process exchange price feeds in real time without sacrificing speed or performance, and TT's reliable order servers deliver rapid order execution and fill confirmation.

## Flexibility

TT's X\_TRADER API enhances flexibility by allowing users to customize X\_TRADER and create proprietary plug-in applications to suit specific individual trading needs. It also gives traders access to the powerful tools that are integrated with TT's market leading X\_TRADER trading platform including the complete library of TT plug-in applications like the Navigator™ smart order routing tool and TOES™ for executing specialized order types. With TT's FIX Adapter, existing applications can plug into TT's high-speed, ultra-reliable gateways and route orders to the world's primary futures markets. Whether it is a black box application for high-speed trade routing or a front-end trading application, TT's FIX Adapter provides the feature set and performance capabilities to give traders the edge they've been seeking.

## Support

TT has a dedicated team of Technical Account Managers (TAMs) to support customers with their market connectivity needs. Additionally, TT's TAMs are available to work closely with customers to help build their technical infrastructure and guide the installation of TT gateways. TT's support team can answer questions, help customers understand TT exchange connectivity architecture and ensure that applications are fully integrated with TT's X\_TRADER platform.

## TTNET™

TTNET is TT's fully managed hosting solution for FCMs, trading firms, banks and other institutions that prefer an outsourced solution. Specially trained, highly qualified TT technicians handle all responsibilities of network administration, hardware configuration, infrastructure maintenance, data line management, upgrades, backups, security and user support. TTNET allows you to quickly deploy trading screens in virtually any country and delivers maximum uptime through fast, highly resilient and fully redundant connections to the world's top futures exchanges through shared facilities in Chicago, New Jersey, London, Frankfurt, Singapore and Tokyo. TT staffs its network operations centers with the industry's best IT professionals and network engineers so you can focus on trading, without worrying about technical hassles.



**TRADING  
TECHNOLOGIES®**

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## Americas

## X\_TRADER 7.x

BM&FBOVESPA**	X
BrokerTec	X
CBOE Futures Exchange (CFE)	X
CCX Chicago Climate Futures Exchange (CCFE)	X
CME Group (CBOT and CME)	X
EBS	D
The Green Exchange	X
ICE Futures Canada (formerly WCE)	X
ICE Futures US (formerly NYBOT)	X
IntercontinentalExchange (ICE)	X
Kansas City Board of Trade (KCBT)	X
Minneapolis Grain Exchange (MGEX)	X
Montréal Climate Exchange (MCeX)	X
Montréal Exchange (MX)	X
New York Commodities Exchange (COMEX)	X
New York Mercantile Exchange (NYMEX)	X
NYSE Liffe US*	X

## Europe and Middle East

Dubai Mercantile Exchange (DME)	X
Eurex	X
Euronext	X
European Climate Exchange (ECX)	X
Frankfurt Stock Exchange (Xetra)	X
ICE Futures Europe	X
London Metal Exchange (LME)	X
MEFF (Mercado Español de Futuros Financieros)	X
NYSE Liffe	X

## Asia/Pacific

### NATIVE CONNECTIVITY

Osaka Securities Exchange (OSE)	A/D
Singapore Exchange (SGX)	X
Sydney Futures Exchange (SFE)	X
Tokyo Commodity Exchange (TOCOM)	X
Tokyo Financial Exchange (TFX)	A/D
Tokyo Stock Exchange (TSE)	D

### FIX BRIDGE CONNECTIVITY

Hong Kong Futures Exchange (HKFE)	A
Korea Exchange (KRX)	A
Tokyo Stock Exchange (TSE)	A

**X:** In Production

**A:** Available via certain FCM Brokers

**B:** In Beta; contact TT for details

**D:** In Development



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

\*NYSE Liffe US metals are supported on TT's e-cbot gateway.

\*\*TT currently provides connectivity to BM&FBovespa via the TT CME gateway. Direct access to BM&FBovespa may be developed at a later date.

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