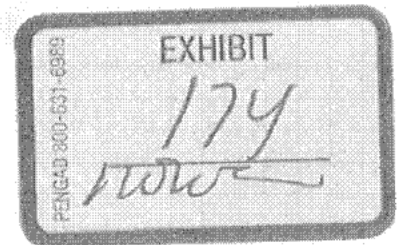


LIFFE Directory of Access Solutions

May 2001



LIFFE

**TRADING TECH EXHIBIT 2282
TRADESTATION v. TRADING TECH
CBM2015-00161**

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Those wishing either to trade LIFFE futures and options contracts or to offer and sell them to others should establish the regulatory position in the relevant jurisdiction before doing so.

LIFFE Directory of Access Solutions

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Introduction

We are pleased to bring you the latest version of the **LIFFE Directory of Access Solutions** which provides customers with information on the variety of channels available to access the LIFFE market and view its data. Everyday, more business by value is entrusted to LIFFE CONNECT™ than any other electronic trading platform. Together with a wider offering of products in more countries than any other exchange, this positions LIFFE as the world's leading electronic exchange.

The launch of LIFFE CONNECT™ in 1998 heralded the reinvention of the Exchange as an electronic market, firstly through the successful migration of all its floor-traded business onto screen and secondly through its rapid distribution. The distribution of LIFFE CONNECT™ is approaching 400 sites in 23 countries, more than any other electronic trading system in the world, and covers all major time zones.

LIFFE CONNECT™ is the world's most advanced derivatives trading system, offering unrivalled execution speed, functionality and flexibility. Its state-of-the-art design and open system architecture allow customers to build or purchase trading applications to suit specific business needs and to integrate those applications into other lines of business and business systems. Those wishing to acquire trading software can do so from the many Independent Software Vendors (ISVs) who have built trading systems to the LIFFE Application Program Interface.

Access to LIFFE

LIFFE CONNECT™ can be used to access the LIFFE market electronically from the world's major financial centres¹ and customers have considerable flexibility and choice in their method of access:

- access from London via LIFFE's local network with ISV software
- access via LIFFE's international network with ISV software
- access through services offered by Value Added Network (VAN) partners
- access through electronic order routing services provided by member firms
- access from trading bureaux provided by member firms

¹Regulatory restrictions may prevent or condition access in some jurisdictions.

Customers wishing to access LIFFE can also choose from a number of back office and middle office systems. The back office and middle office suppliers of these systems are critical in the delivery of accurate trade reconciliation data to LIFFE Clearing Members and therefore play a crucial role in the risk management and straight through processing solution chain between the front, middle and back offices.

Following the launch of LIFFE CONNECT™ and a recent major upgrade to the LIFFE Market Feed, quote vendors and sub quote vendors are now able to provide access to real-time data for the LIFFE market in the form of market depth. Market depth provides a significantly enhanced view of the strength of the order book in the marketplace for all customers.

The choice and flexibility available for customers wishing to access the LIFFE market and view its data is unparalleled. This has been developed in conjunction with the support of our many business partners listed in this directory.

These successful partnerships enable us to continue to focus on our core business of being a leading global player in the Exchange arena, providing our customers with products required to manage exposure to financial markets in a cost effective and efficient environment. In doing so, we are confident that LIFFE will maintain its position as the leading electronic derivatives exchange in the world.



A handwritten signature in black ink that reads "SARaybould". The signature is written in a cursive, flowing style.

Simon A Raybould
Managing Director, Sales and Marketing
LIFFE Exchange

Independent Software Vendors

Conformance Testing

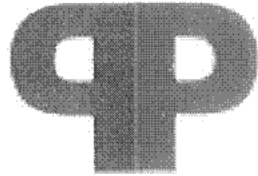
In order to safeguard the integrity of the marketplace, LIFFE requires each trading member to demonstrate a level of technical and operational readiness and to deploy conformant software. It is a member's responsibility to perform any necessary tests to ensure that the functionality of its chosen trading application not only operates according to the specifications set out by the relevant ISV, but also to accept responsibility for ensuring the suitability, adequacy or performance of any particular trading application.

LIFFE's thorough technical conformance testing process is also used to maintain high standards of software functionality required from LIFFE ISVs. LIFFE continues to make improvements to the functionality and flexibility of the LIFFE CONNECT™ trading host, including requiring all ISV partners to provide a mandatory level of functionality. Currently the minimum requirements for LIFFE CONNECT™ ISV front-end trading applications include:

- ability to subscribe to market at commodity level
- display of both 'implied in' and 'implied out' prices in the strategy markets
- provide various methods of revising and pulling orders from the market
- display of text messages sent from the LIFFE CONNECT™ host
- ability to process an intra-day strike update to the options market
- ability to offer calendar spread trading
- ability to offer 'implied butterfly' strategies
- ability to conduct wholesale trades on LIFFE

Partners in Performance

As part of the ISV programme, all ISVs who have developed front-end trading applications to support LIFFE CONNECT™ have agreed to work closely with LIFFE and our mutual customers on issues relating to customer service. The main focus of this programme is to create an environment for transparency and regular dialogue so that all parties share information on topics of mutual interest, especially those relating to system availability, service incidents and planned change. The Partners in Performance programme takes the form of a two-way Service Level Agreement between LIFFE and all its ISVs. To accurately monitor the performance of each ISV, LIFFE strongly encourages members to report any ISV service incident to the LIFFE Service Desk on +44 (0)20 7379 2009.



Partners in Performance

The following ISVs have developed front-end trading applications to support LIFFE CONNECT™:

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² Also supplies Value Added Network (VAN) access to LIFFE CONNECT™, see page 38

Actant

Actant	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

Actant is an ISV market-leader in high-performance trading systems for automated market making. Since 1985, Actant's developers have engineered high-performance trading systems for successive generations of electronic derivatives trading platforms.

Actant's **AQTOR®** technology is used by Designated Market Makers to fulfill their obligations to LIFFE with regard to market-making in equity options, FTSE 100 Index futures and options and Universal Stock Futures. By servicing only the leading market making desks, Actant is able to uniquely focus on building the technology edge required for competing against the leading proprietary systems.

AQTOR® Automated Quoting and Trading of Risk

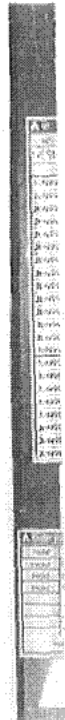
AQTOR® is a single-screen multi-market front-office system, and its modular architecture allows it to be configured for different customer situations including:

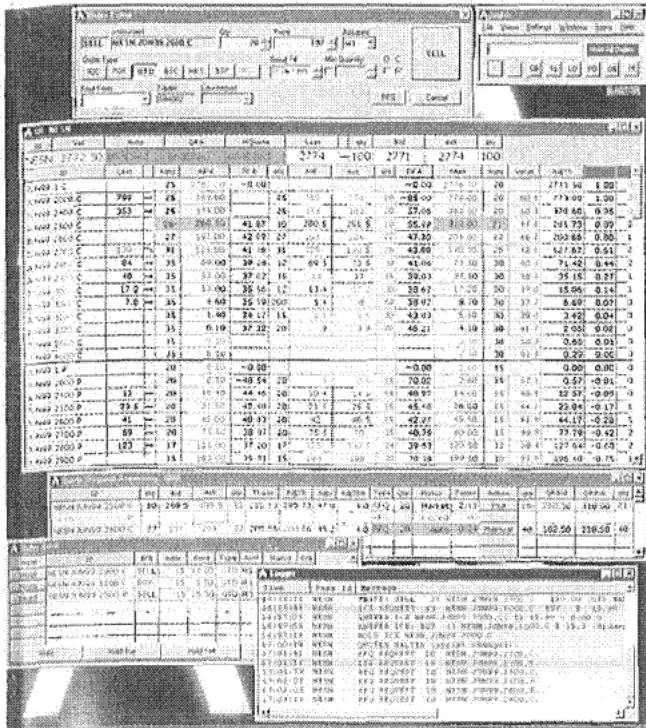
- large market makers and banks – trading architecture optimised for integration into larger environments and existing systems
- independent market makers – complete turn-key solution for automated trading, quoting, with risk management and portfolio database

Advanced Technology = Edge

Actant's AQTOR® technology is distinguished by technical proficiency in the following areas:

- automated market making with electronic eye
- automated answering of RFQs, quote-requests and cross-requests
- autoquoting command optimisation and minimal reaction speeds
- scripting technology for automated quoting and automated volatility surface adjustments
- multi-exchange direct access
- XML message distribution for optimal integration
- customisation of orders, quotes and strategies





Contact

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ACTANT AG

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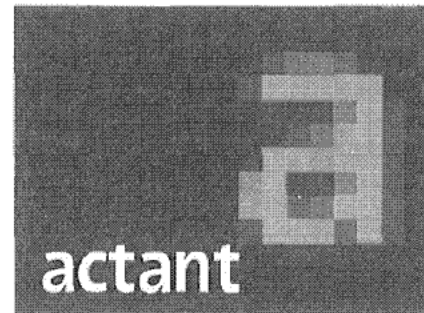
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www.actant.com



- W3C DOM API for read/write access and parameterisation, both DCOM and XML over sockets
- additional APIs for exchange/ECN connectivity, quote feeds and pricing routines
- risk management and portfolio database
- one-view window plus tracker window for optimal visualisation
- unlimited custom window views and colour/sound alerts

Bloomberg

Bloomberg	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

BLOOMBERG PROFESSIONAL™ has successfully built and tested its interface for LIFFE CONNECT™ for financial futures, options, STIRs, non-financial commodities and Universal Stock Futures.

Functions

Bloomberg's LIFFE CONNECT™ front-end trading application is fully integrated with the BLOOMBERG PROFESSIONAL™ service. In addition to the trading interface, the BLOOMBERG PROFESSIONAL™ service provides real-time and historical prices, news, technical analysis and analytics for financial markets worldwide.

Exchange members can now trade on LIFFE CONNECT™ from anywhere in the world (subject to restrictions) using the BLOOMBERG PROFESSIONAL™ service, one of the financial markets' most sophisticated analytical tools:

- market monitor, ticketing, and tracking blotter
- full suite of trading strategies approved by LIFFE

- seamless integration of tickets into Bloomberg's risk management systems
- electronic link to back office system available for Bloomberg Trading System customers
- non-member to member order routing available over Bloomberg's global network
- free software upgrades provided
- multiple Exchange Connectivity

Support

- on-line support worldwide, 24 hours a day, 365 days per year
- dedicated LIFFE CONNECT™ project management team

Training

- unlimited free personal training
- free seminars

Requirements

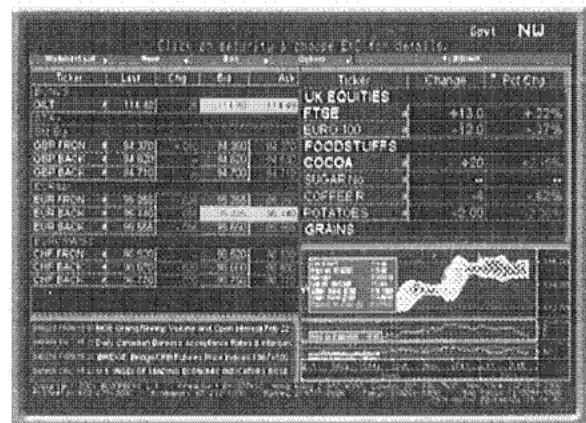
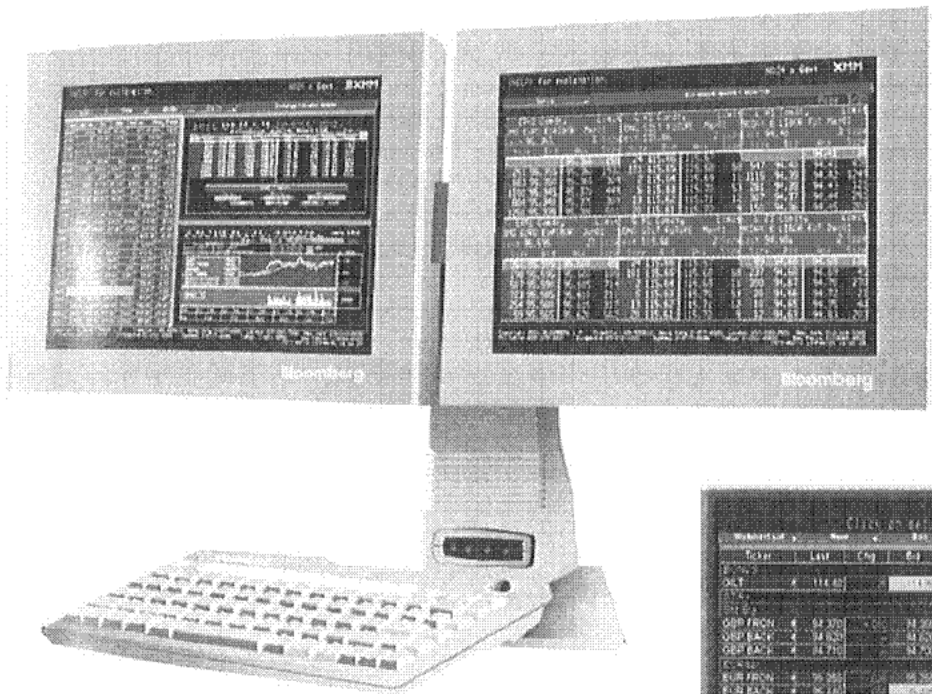
- no additional hardware is needed at client site. The EASy connection required for each member firm to access LIFFE CONNECT™ will be installed and maintained at Bloomberg's London site.

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www.bloomberg.com



Bloomberg

Communicating Ltd.

Communicating Ltd.	Futures	Options
STIR	✓	
Equity	Universal Stock Futures ✓	
Index	✓	
Bond	✓	
Non-Financials	✓	

Communicating Ltd. is a privately held London-based company specialising in innovative exchange-related software for the finance community.

XL Connect

XL Connect continues to be developed and now offers support for trading LIFFE futures contracts in equity, short term interest rate, bond and index markets.

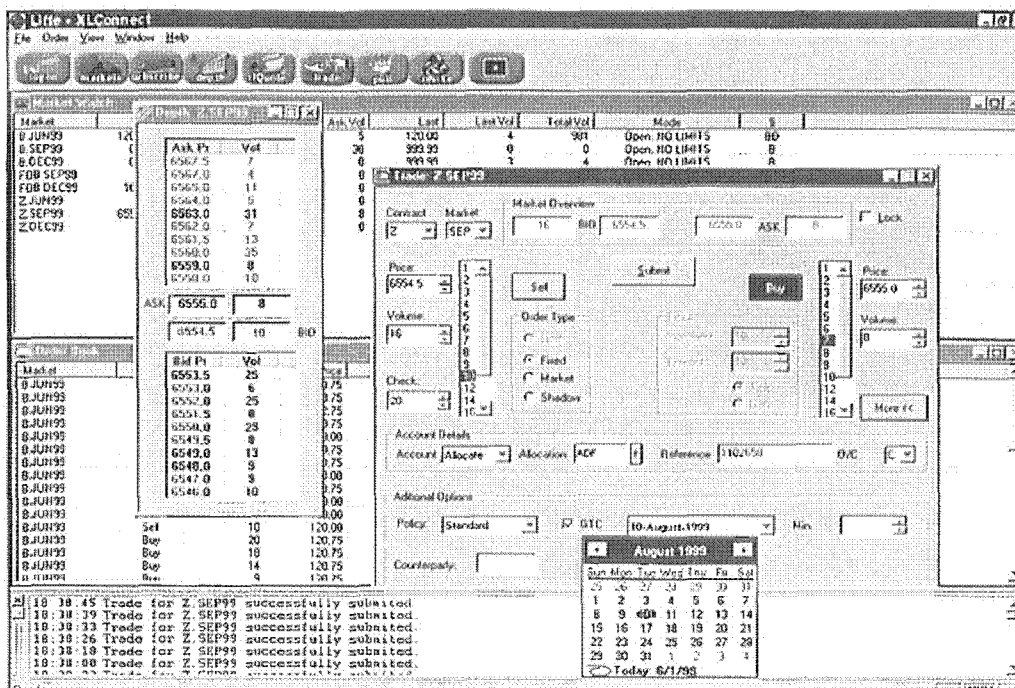
Communicating offers three LIFFE CONNECT™ implementation options:

- a LIFFE trading application designed in collaboration with clients and focused on speed of execution, ease of use and clarity of orders
- a version which offers mobile trading functionality operating via a radio LAN card from mobile Windows CE palmtop devices

- a COM automation object model enabling clients to implement unattended automated trading functionality by integrating the trading objects with their own order routing software and trading strategy models and to build their own custom user interfaces easily using Excel, Visual Basic, Delphi or VC++

The XL Connect trading package offers all of the following features:

- user interface may be entirely mouse driven
- user-defined market watch and order book windows
- real-time user-defined market watch and order book windows
- real-time user-defined risk and P&L analysis
- post trade order management with back office integration



- very rapid order entry and custom scripting for user-defined program trading
- user access, whether trader or client, either across LAN, IP connection or by mobile palmtop Windows CE device
- seamless integration of exchange data and user-defined pricing models

Contact

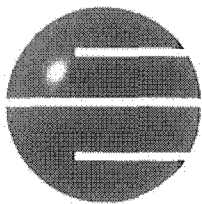
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Communicating Limited

EasyScreen plc

EasyScreen plc	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

EasyScreen was founded in 1998 by two former LIFFE traders and has achieved outstanding success with its products. Having been designed for traders by traders, the system offers international coverage and sophisticated functionality whilst remaining easy and intuitive to use.

EasyTrade combines fully integrated functionality for futures, options and equities trading on LIFFE CONNECT™. Features include:

EasyTrade

- access to multiple exchanges from a single screen
- order types such as invisibles, icebergs, triggers, tranches and baskets
- automated market making
- a spread matrix which offers a graphical way of tracking and trading short term interest rate calendar spreads including implieds
- sophisticated order ticket, including facility to track or dime the market

- screens and functionality fully customisable by the trader

EasyMinder

Our pre-trade, real-time risk management system offers the risk manager the ability to impose trading and financial limits on their traders and to monitor their performance in real-time. Features include:

- pre-trade order permissioning
- innovative traffic light indicators to alert supervisor to violations
- ability to set permissions in respect of position limit, profit and loss and net equity
- complete audit trail log of activity

EasyCell

Our sophisticated trading tool offers the facility to link the EasyTrade application to a customised Microsoft Excel™ spreadsheet and use live exchange data as a basis for further calculation. Its many uses include the ability to:

- trade any hybrid strategy across different contracts and different exchanges
- link to graphing tools to automatically trigger technical trading
- automate short term interest rate strip trades
- work any trading algorithm that can be represented on Excel™

Contact

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 New York +1 212 404 7008
 Sydney +61 (0)2 9247 5575
 Singapore +65 248 4672

	Description	Low	High	Size	BID	Var	ASK	ASIZ	ImmuSz	Change
A	LLF Euribor Feb 01								0	000
B	LLF Euribor Mar 01	94.580	95.720	100		95.385		250	224278	95.385
C	LLF Euribor Apr 01	94.790	95.465			95.465			544	95.465
D	LLF Euribor Jun 01	94.620	95.990			95.645		35	162749	95.645
E	LLF Euribor Sep 01	94.600	96.105	409		95.770			96555	95.770
F	LLF Euribor Dec 01	94.515	95.990			95.640		01	11600	95.640
G	LLF Euribor Mar 02	95.640	95.990	33		95.640		20	3475	95.640
H	LLF Euribor Jun 02	95.525	95.645			95.525			441	95.525
I	LLF Euribor Sep 02	010	95.440			95.440			5004	95.440
J	LLF Euribor Dec 02	95.280	95.285			95.280		254	95.280	
K	LLF Euribor Mar 03	95.285	98.985			95.285		56	95.285	
L	LLF Euribor Jun 03	95.235	95.760			95.235		3	95.235	
M	LLF Euribor Sep 03	95.195	95.200			95.185		48	95.195	
N	LLF Euribor Dec 03	96.090	95.090			95.090		100	95.090	
O	LLF Euribor Mar 04	95.745	95.745			95.745		2	95.745	
P	LLF Euribor Jun 04								0	000
Q	LLF Euribor Sep 04								0	000
R	LLF Euribor Dec 04							10	0	000
S	LLF Euribor Mar 05								0	000

LLF Dec 01 - Order

100 95.700 95.710 95.700 99

Change to Sell: 50 100 500 | Price ↑ 95.750 | Trigger ↑ 95.700

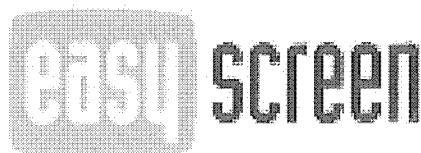
Full Size: 1 5 10 | Price ↓ | Trigger ↓

Client: EasyUser

Standard | Advanced

Cancel | Add to Basket | Buy 'em

www.easyscreen.com



EccoWare

EccoWare	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

EccoWare provides unique and innovative software tools for electronic trading and risk management. Offering multi-exchange connectivity to LIFFE CONNECT™ and other major exchanges.

Products

T-ware – a high performance, highly flexible, easy to use, modular trading system with specialised functionality for brokers, market makers and strategy traders in futures and options.

T-ware incorporates pre-trade risk monitoring and control and facilitates straight through processing.

Consultancy

EccoWare will work with your own developers to produce unique modules that match your specific trading needs.

Technology

EccoWare is Windows NT® based and developed in C++ for optimal performance and reliability.

Service and Support

EccoWare offers a guaranteed high level of customer support in all related areas.

T-Ware modules

Strategy Viewer

Custom filters to allow dynamic viewing of new and existing LIFFE strategies.

Spread Builder

Define and trade cross-product and cross-exchange strategies with user defined legging risk controls.

Market Watch

Real-time prices and depth for exchange-listed and user-defined products with quick execution, quoting and filters.

Order Entry+

Specialist order entry adapted for futures and options traders, market makers and brokers.

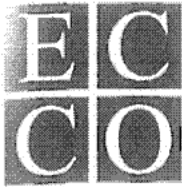
Order Book

Comprehensive flexible order management tool.

Position Watch

Real-time positions and P&L information.





Intelligent tools for electronic trading

ISVS

The screenshot displays a complex trading interface with several overlapping windows:

- HOUSE / 7 PI:** A table showing market data with columns for Exchange, Class, Product, Expiry, Bid Qty, Bid, Ask, Ask Qty, Lot Pro, Lot Qty, and Volume.
- Other Floor Eco Strategy:** A control panel for order entry with fields for Bid Price (7541.0) and Bid Quantity (1), and buttons for 'Cancel' and 'Send'.
- Order Entry:** A window for entering orders with fields for 'Order' and 'Buy' buttons.
- Order Book:** A table listing orders with columns for Exchange, Product, Month, Year, Product Class, Status, Day/Sec, Price, and Order Qty.
- Position Watch:** A table monitoring positions with columns for Customer, Account, Type, Exchange ID, Product ID, Class, Year, Month, Qty Bought, Qty Sold, Net Pos, Mkt Price, UnRevised P&L, Revised P&L, and Gross P&L.
- Send Quote Request:** A dialog box for sending quotes with 'Enter Quantity' (50) and 'Request type' options (Bid/Ask, Bid/Only, Ask/Only).
- Global Recent Order Entry:** A window showing recent orders with fields for Bid Price (95.150) and Bid Quantity (4).

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FFastFill

FFastFill	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

FFastFill designs and markets second-generation trading and risk management software solutions for trading on electronic exchanges.

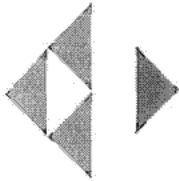
The FFastFill product range provides a Windows-based trading front-end, integrated real-time risk management, client management and an order routing system via a LAN, WAN or the internet. FFastFill provides real-time straight through connection from workstation to order matching engines of multiple electronic exchanges offering financial futures and options, equities and commodities.

Trading functionality includes:

- unique spread matrix tool
- smart and simple STOPS, MIT, MOC and OCO
- single click scalp trading
- market watch
- group order books
- portfolio risk analysis for each workstation with graphical representation of position P&L
- theoretical fair values

Risk management features:

- real-time overview of all trader positions
- user configurable screen layouts
- aggregate risk analysis across exchanges
- real-time P&L breakdown by contract
- aggregate risk for futures/financial options and equity options
- automatic and manual blocking of trading activity
- three level visual alarm with audible warning
- user definable position limits by contract
- ability to enable or disable overnight positions by trader or group
- real-time aggregate position limits by contract
- real-time clearing commission and exchange fee calculation



FFastFill

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www.ffastfill.com

FFastNet

Life | FTSE 100 Index (LSE) | AMR | FTS-PA

Change	Product	Instrument	Contract	Market	Min Qty	Lot	Unit	Order	Order Qty	Variable	Total Vol
Life	FTSE 100 Index (LSE)	Index	3000 P. 10.00	FTSE	1	1000	1000	1000	1000		1000
Life	FTSE 100 Index (LSE)	Index	3000 P. 10.00	FTSE	1	1000	1000	1000	1000		1000
Life	FTSE 100 Index (LSE)	Index	3000 P. 10.00	FTSE	1	1000	1000	1000	1000		1000

FFastFill Market View

Month	Bid Qty	Bid Price	Last	Offer Price	Offer Qty	Last Vol	Total Vol
OC130	801	93.708		93.888	188	8	8
NOV10	4	93.778			8	8	8
DEC09	2316	93.750	93.740	93.740	1887	8	2208
JAN10	621	93.750	93.750	93.740	1225	8	1847
FEB10	978	93.710	93.720	93.720	51	31	1877
MAR10	81	93.880	93.880	93.890	1432	8	1465
APR10	2285	93.870	93.870	93.870	264	8	2612
MAY10	2008	93.860	93.860	93.860	270	8	1538
JUN10	248	93.860	93.860	93.860	888	8	2488

Order Entry

Order ID	Product	Instrument	Contract	Order Type	Qty	Price	Qty Done	Client	Status	Days/Sec	Order ID	FFastFill Order ID	Trader ID	ADJ
100	FTSE 100 Index (LSE)	Index	3000 P. 10.00	Limit	10	93.860	0	FTSE	Revised	0	43417301.1000	03	ADJ	

Account Summary

Position	Total Margin	Current Gross Net Liq	Day's P&L	Overnight P&L	Total P&L
Limit	0.00%	50800	0	0	0

crossfire

Future Dynamics Ltd.

Future Dynamics	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

Exchange Independent Web Based Order Router.

crossfire is a multi-exchange order routing risk management and execution tool built from Microsoft technologies and COM components. The application is the result of a unique mix of cutting edge technology skills and in-depth business knowledge.

Fundamental to the product is the ability to efficiently manage the trade flow from order inception, routing and control, through to execution and order fill notification. However, in addition to these core functions, **crossfire** delivers far more.

Local and global distribution is achieved through a combination of the client/server or full internet version, **crossfire.web**. This choice of delivery and proven scalability allows for fast, robust global coverage.

Through the unique branding component and modular design structure, clients can easily deliver their own "labelled" product to their end users. Components of the product can also be easily integrated into proprietary trading systems.

The global order book database is shared with **viewpoint** to streamline the critical link between front and middle office, and **load&go** then interfaces with any firm's back office system to deliver a dynamic full service client web portal:

- multiple API connections
- one-click trading
- dynamic limit management
- shared global order book
- spread matrix with implied and real-time functionality
- outright trading from spread matrix

crossfire [Icons]

ETF / ELSE / Libor / Swiss / Euro /

KeyPad / Cont.Pad /

FTSE 100 (NEW JUN00) 1186	Bid	983.0/50 981.0/3	Offer	982.0/53 981.0/3
FTSE 100 (NEW SEP00) 17855	Bid	6279.5/1 6281.0/10	Offer	6278.5/20 6281.0/10
FTSE 100 (NEW DEC00) 6594	Bid	* 24.5/1 6268.0/20	Offer	* 16.0/20 6268.0/20
FTSE 100 (NEW STYLE) 5	Bid	6262.5/20 6255.0/5	Offer	6255.0/15 6255.0/5

Entry /

Contract: _____ Min. Volume: _____ Price: _____ Volume: _____
 Client: _____ Expiry Date: _____ Trigger: _____

Working / Default / Faked / Stop / Pktd / Etd /

Drag a column header here to group by that column.

OrderID	Buy/Sel	Contract	Volume	Last Price	Avg Fill Price	Working Volume	Status Code	Order Status	Contract Code
287	Buy	FTSE 100 (NEW JUN00)	50	983.000	983.000	0	0	Completed - full trade	6
285	Sel	FTSE 100 (NEW STB JUN00)	50	981.000	981.000	0	0	Completed - full trade	6
284	Buy	FTSE 100 (NEW STB JUN00)	50	981.000	981.000	0	0	Completed - full trade	7
282	Buy	FTSE 100 (NEW SEP00)	50	6279.500	6279.500	0	0	Completed - full trade	7

REQ FTSE 100 (NEW JUN00) 53

- charting and technical analysis
- support for "virtual" contract types
- risk and limit management
- manual order input
- user configurable screens
- client/server and internet options
- complete integration with middle and back office
- global 24/7 support
- demonstrations available

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FutureDynamics

GetReal-time

GetReal-time	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

GetReal-time has been providing internet solutions to the financial services market since 1999. GetReal-time has a number of products available that are designed to enhance websites of institutions and enable access to the markets for professional and retail traders alike. All products have been developed for use within a browser environment or as a downloaded piece of resident software.

Products

QuoteBoard provides instant access to auto-refreshing real-time data from the world's major futures exchanges. A selection of snapshot charts are included in this service.

QuoteBoardPro provides access to streaming real-time and delayed data from the world's major futures exchanges. QuoteBoardPro also has access to a selection of snapshot charts.

QuoteBoardPro+ is a downloadable software program that provides access to real-time data from the world's major futures exchanges. The system also gives access to FX and news content and can power charting software.

PitPractice is a trading simulation product that enables institutions and exchanges to offer training to potential customers. Using real-time or delayed prices, PitPractice has all the functionality of a professional trading product.

Electronic Market Trading System is capable of displaying real-time prices and news from the world's major exchanges and third party news vendors. It can also provide technical analysis and charting. The system routes a variety of orders directly to electronic exchanges subject to risk management and is also capable of routing orders to broker terminals for the execution of OTC products.

NB At the time of going to print GetReal-time have yet to complete conformance to API 5

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www.getreal-time.com

PitPractice™
Internet simulated trading

help

Mini Index	Bid	Offer	Trade	High	Low	Time
Mini FTSE MAR01	6125.5	6135.0	6199.0	6206.5	6176.5	03 19 36
E Mini DDP 400	1325.00	1326.50	1336.25	1338.50	1335.00	03 19 34
E Mini N	2363.50	2366.50	2375.00	2376.00	2369.50	03 19 05

Trade Ticket

Contract: Mini FTSE MAR01
 Price: 6135.0
 Volume: 1

Market Limit Stop

SELL BUY

Clear entries Cancel

Warning: Applet Window

Delete view Retrieve view
 P/L Reset Account

Current P/L Balance: 25000.00

powered by **GetRealtime™**

Done Internet

GL TRADE

GL TRADE	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

Founded in June 1987, GL TRADE is at the forefront of trading technology, with its integrated electronic trading and market data solutions.

GL TRADE is currently present in over 600 trading rooms worldwide, covering 50 markets with approximately 30,000 screens.

GL WIN - the leading multi-market trading station

GL NET - trading without boundaries – a safe and fast global order routing network, linking 50 cash and derivatives markets with a further 10 markets in progress

SELECTOR - pre-trade risk management

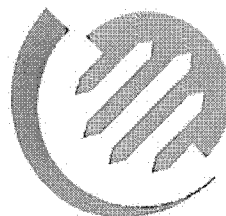
SPREADMATRIX - a visual spread-monitoring and trading display that adapts to all spreads, from short term interest rate to inter-market straddles, equipped to handle up to 900 strategies and providing effortless monitoring of implieds and butterflies

AUTOMATE - an automated multi-exchange market making/arbitrage tool

ARWIN - a basket trading facility with market forecast and impact calculation

OPSYS - your complete front to middle office solution

BROKERNET - internet trading station for institutions and active retail clients, offering the same functions as the professional GLWIN trading station



GL TRADE

ION Trading Systems Ltd.

ION Trading	Futures	Options
STIR	✓	
Equity	Universal Stock Futures ✓	
Index	✓	
Bond	✓	
Non-Financials	✓	

ION Trading Systems Ltd. was established in 1998 – born out of the expertise of professionals working in the financial markets and an established software company, specialised in the electronic markets.

The result is **MarketView** – an open system technology created specifically to enable the integration of systems in the world of financial trading.

MarketView is an open system running on a network and is easily integrated with proprietary systems like pricing feeds and trade capture engines through a common programming interface. The majority of electronic markets and most of the systems used in modelling, analysis, distribution and storage of data, can all be easily interfaced.

MarketView allows the selection and organisation of data and trading interfaces, through a customisable desktop layout within a common graphical user interface without losing any of the peculiarities and trading functionalities of the markets.

Furthermore, **MarketView** enables cross-market trading.

Interfaces have already been developed for multiple markets and the system can also be integrated with most of the data providers (Reuters, Bridge and Bloomberg).

Demonstrations are available.

The screenshot displays a trading software interface with several overlapping windows:

- LIFFE Buy/Sell/Close:** A table showing market data for LIFFE contracts.

Buy Vol	Buy Price	Sell Price	Sell Vol
150	98.400	98.450	15
15	98.300	98.500	15
15	98.200	98.550	30
10	98.100	98.650	15
- LIFFEbest:** A table showing the best bid and ask for various LIFFE contracts.

Code	Buy Vol	Buy Price	Sell Price	Sell Vol	Last Price	Ask Vol
LFI_02E000000G Csp JUN00	0	0.000	0.000	0	0.010	10
LFI_008000000F Fut JUN00	8	98.500	0.000	0	98.500	1
LFI_008000000F Fut SEP00	150	98.400	98.450	15	98.410	15
LFI_038000330S Bid JUN00						
LFI_001200000F Fut DEC00						
LFI_006000000F Fut JUN00						
LFI_000400000F Fut APR00						
- LIFFE STR:** A window showing spread and calendar data for LIFFE contracts.
- LIFFE LU:** A window showing live data for LIFFE contracts.
- LIFFE TRADE:** A table showing trade history.

MarketRef	Verb	Price	Qty
LFI_000000000F	Sell	98.410	15
LFI_000000000F	Buy	98.415	220
LFI_000000000F	Sell	98.410	15
LFI_000000000F	Sell	98.410	15
LFI_000000000F	Sell	98.410	15
LFI_001200000F	Sell	98.450	15
LFI_001200000F	Sell	98.450	15
LFI_000000000F	Sell	98.200	15
- Add order (LIFFE):** A form for entering a new order.

Buy LIFFE 008000000F Fut SEP00

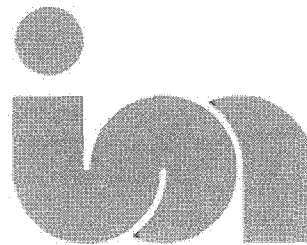
Price: 98.35 | Vol: 15 | Min Vol: 15

Time: GTC | Date: (DDMMYYYY): 20032000

Type: N | C Market | Unit: Account: H
- LIFFE STR:** A window showing spread and calendar data for LIFFE contracts.
- LIFFE LU:** A window showing live data for LIFFE contracts.
- LIFFE TRADE:** A window showing trade history.
- LIFFEbest:** A window showing the best bid and ask for various LIFFE contracts.
- LIFFE STR:** A window showing spread and calendar data for LIFFE contracts.
- LIFFE LU:** A window showing live data for LIFFE contracts.
- LIFFE TRADE:** A window showing trade history.
- Add order (LIFFE):** A form for entering a new order.

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ORC Software

ORC Software	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

ORC Software, a publicly traded company, develops and markets one of the world's leading electronic trading and risk management software packages, the ORC system.

The ORC trading application is an advanced tool for the trading and pricing of derivative and spot instruments based on stocks, commodities, bonds, interest rates and currencies.

In addition, it is used for real-time portfolio risk in a true multi-currency and multi-exchange environment.

The ORC front-end provides all user groups, including market makers, proprietary traders and brokers, with a rich set of functionality including theoretical models for derivatives, exotic options and structured products.

Features

- three advanced functions in one single package: analysis and pricing, trading and risk management

- leading supplier of internet solutions for Nordic countries
- ORC connects to 30 electronic marketplaces worldwide, providing a truly global trading solution
- real-time theoretical prices, market prices and risks/greeks
- market-leading automatic quoting functionality including diming and auto-trading
- flexible client-server model: front-end running on Windows NT or Mac OS X, designed to be extremely flexible. UNIX back-end, providing robust secure solution
- open API
- sales/support offices in London, Copenhagen, Frankfurt, Milan, Moscow, New York, Stockholm and Sydney

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Screenshot of a financial trading software interface showing market data and order management.

Market Data Table:

b#	Bid	Theor	Ask	a#	Delta	Gamma	Last	Desc	SPog	h#	Bid	Theor	Ask	a#	Last
35	96.465		96.575	1			96.465	Dec Futuro		57					
50	2.270	2.270	2.275	50	1.00	0.0129	2.275	1.94.25				0.000	0.005	50	
50	2.020	2.021			0.99	0.0242	2.020	1.94.5				0.001	0.005	50	
50	1.770	1.772	1.775	50	0.99	0.0468	1.775	1.94.75				0.002	0.005	50	
50	1.525	1.530	1.530	50	0.98	0.0865	1.530	1.95				0.005	0.010	50	
50	1.275	1.280	1.285	50	0.96	0.1511	1.285	1.95.25			50	0.005	0.010	0.015	50
50	1.040	1.045	1.045	50	0.92	0.2472	1.035	1.95.5			50	0.015	0.020	0.025	50
150	0.805	0.810	0.815	50	0.86	0.3735	0.805	1.95.75			50	0.030	0.040	0.050	50
25	0.585	0.596			0.77	0.5129	0.605	1.96	-500		50	0.065	0.076	0.085	50
25	0.406	0.420	0.420	25	0.64	0.6272	0.420	1.96.25			100	0.125	0.136	0.150	100
25	0.235	0.240	0.265	50	0.48	0.6656	0.265	1.96.5	-450		50	0.215	0.220	0.245	50
50	0.120	0.134			0.31	0.5929	0.120	1.96.75			50	0.350	0.364	0.375	50
50	0.050	0.050	0.070	50	0.17	0.4249	0.070	1.97	1,200		50	0.530	0.540	0.550	50
50	0.015	0.021			0.07	0.2313	0.015	1.97.25			50	0.745	0.751	0.755	50
	0.005	0.010		50	0.02	0.0886		1.97.5			50	0.980	0.985	0.990	80
	0.001	0.005		50	0.00	0.0215	0.005	1.97.75			50	1.230	1.231	1.235	50
	0.000				0.00	0.0028		1.98				1.480			

Order Management Table:

b#	Bid	Ask	a#	Last	Desc
47	96.53	96.53	39	96.53	Apr fut
62	96.65	96.67	100	96.65	May fut
41	96.45	96.46	400	96.45	Jun fut
500	96.45	96.48	54	96.57	Sep fut
35	96.465	96.575	1	96.465	Dec fut

Order Panel:

Order Panel: 1.500
 Buy/Sell: Buy
 Type: Normal
 Exchange order: Send bid

patsystems

patsystems	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

As a leading ISV, we have built a scalable and deployable trading backbone comprising order routing technology, sophisticated pre-trade risk management, real-time price distribution and multiple exchange connectivity.

Our system has been adopted by many of the largest global clearers and brokers.

Key features of the platform include:

- the possibility to deploy instantaneously to thousands of end-users either over the internet or through dedicated lines
- a sophisticated hierarchical pre-trade risk management system offering unparalleled control and flexibility
- real-time access to multiple derivative and equity exchanges
- open system architecture with 'front-end' and 'back-office' APIs
- a choice of front-ends including an internet deployable java application and a sophisticated options trading solution
- high systems scalability and flexibility
- the possibility to re-brand the front-end trading application
- a choice of valued-added tools and analytical software

Other features:

- leading-edge trading functionality including our 'multi-exchange logger' which enables users to create and exploit arbitrage strategies across multiple products and exchanges
- patsystem's X-link solution allows for seamless order-routing to clearing partners on other exchanges, offering an effective method of utilising memberships
- global, 24 hour support incorporating comprehensive trader and technical support with structured helpdesk service
- mass deployment – the patsystem's **J-Trader** front-end offers an efficient and manageable method of deployment via a website, bringing many commercial advantages and cost reductions
- demonstrations available

The screenshot displays the J-Trader software interface with multiple windows open. At the top, the 'J-Trader' logo and 'Professional Internet Trading Application' are visible. The main interface is divided into several panes:

- Top Right:** Account information showing '123456 Normal FILL RECEIVED FOR ORDER 11693042'.
- Top Left:** 'Account Balances' window showing various account types and balances.
- Middle Left:** 'Working Orders' window displaying a list of active orders with columns for order ID, symbol, price, and quantity.
- Middle Right:** 'Completed Orders' window showing a list of executed orders.
- Bottom Left:** A large window displaying a detailed order book or trade history with columns for bid/ask prices, sizes, and timestamps.
- Bottom Center:** A window showing a list of symbols and their corresponding prices.
- Bottom Right:** A window displaying a list of account balances and positions.

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patsystems
 professional automated trading systems

RTS Realtime Systems

RTS Realtime Systems	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

Over the last decade RTS has established itself as one of the leading ISVs for screen based trading solutions. Our reputation for developing robust and extremely fast trading solutions has enabled us to build an enviable worldwide customer base and connections to over 30 different exchanges.

Our system is used worldwide by market makers, proprietary traders, locals and brokers to trade options, futures and stocks from a single trading window.

Key Features and Functionality

- **real-time** pricing of futures and options
- **real-time** theoreticals
- click trading and diming
- electronic eye for fast order matching
- automatic quote machine with dime facility
- basket trader
- dashboard for fast futures trading

- multi exchange spread matrix
- open API
- all products tradable from a single window
- **real-time** position management
- **real-time** risk management
- order management
- charting functionality
- internet connectivity
- Reuters SSL connectivity
- matching engine

Technical and Support Services

- client server architecture
- support for multiple platforms (Sun, Linux, NT, AIX, VMS)
- standard open interfaces to other systems
- remote systems administration and functional support

Trading Technologies

Trading Technologies	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

Established in 1994, Trading Technologies (TT) is a global software development and service company focused on the total automation of electronic trading.

Our client list includes many of the world's premier money-centre banks, securities brokers, and proprietary trading houses. Our commitment to world class service, coupled with our offices in London, Frankfurt, New York and Chicago, provides these customers with the kind of market access and support that they demand.

TT Solutions

X_TRADER® one of the fastest, most flexible trading screens for futures, options, bonds and equity trading

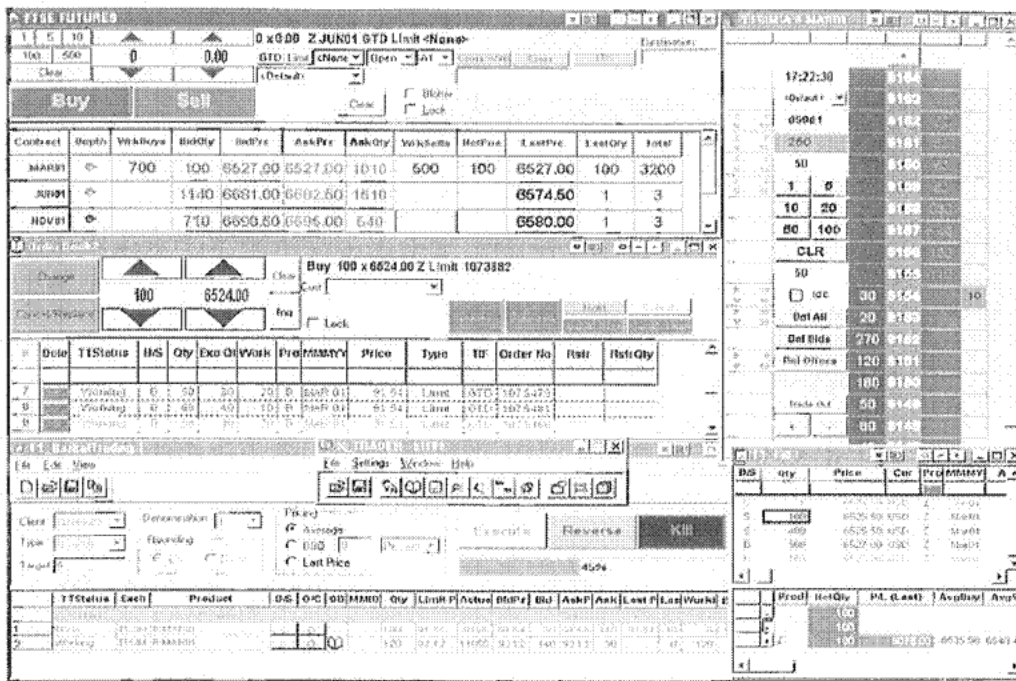
X_TRADER WEB™ for secure, highly scalable internet trading

X_RISK™ for multi-level risk management across all exchanges, from any location

X_QUOTE™ for two-way quoting based on theoretical models

X_TRADER® features include:

- fast order entry – single click trading, crossing and editing
- powerful pre-execution risk management – fast and secure credit settings
- **MD_TRADER™** – unique static display of depth allows maximum precision and speed of execution
- basket trading – creation and trading of complex baskets
- inter-market spread tool – automatically tracks legs for spread orders
- flexible spread matrix – for order entry on both outright and spreads
- multi market access – trade all exchanges from one screen
- order blotter – simultaneous entry of multiple orders
- Excel links – two way real-time calculations and updates
- open API – easily link to in-house and third party applications
- full market depth – provides all levels, as published by the exchanges
- strategy creation tool – for exchange recognised strategies



- detailed fill book and P&L – complete listing of trade executions and mark to market
- filtering functionality – on multiple fields both for working and executed orders

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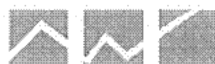
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TRADING TECHNOLOGIES™

Trinitech Systems

Trinitech Systems	Futures	Options
STIR	✓	✓
Equity	Universal Stock Futures ✓	✓
Index	✓	✓
Bond	✓	✓
Non-Financials	✓	✓

Order Book Management System

(OBMS) – at the heart of Trinitech's solution is the Global Order Routing and Order Management System (OBMS) which features:

- a user configurable input screen for quick and efficient order capture, execution and confirmation covering multiple exchanges
- an order book providing trade management for all order types whether electronic or open outcry exchanges
- a true straight through processing (STP) solution across all exchanges creating a ticketless environment and reduction in the processing overhead
- a LIFFE CONNECT™ solution covering the whole range of contracts traded on LIFFE providing all the benefits of the system's extensive functionality developed with our clients since 1995

In addition, Trinitech Systems provides:

- web browser connectivity for client order capture and pre-trade risk control
- access to multiple global electronic exchanges, back-office systems and third party vendors through our FIX gateways
- products available in flexible building blocks that can be used either together or separately to complement existing customer components
- totally scaleable roll out of LIFFE CONNECT™ either as a stand alone or networked solution
- global support available around the clock
- full project management and consultancy support

We have a broad base of clients throughout Europe, USA and Asia and in partnership with many of the major global clearers we are one of the largest providers of direct exchange access. Trinitech Systems Int. is a subsidiary of NYFIX Inc. – a publicly traded company on NASDAQ.

The screenshot displays a complex financial trading interface with several overlapping windows:

- Top Left:** A window showing a list of orders with columns for 'Type', 'Symbol', 'Price', 'Quantity', and 'Status'. It includes a 'BUY' and 'SELL' button.
- Top Right:** A window titled 'FIRST 20 HEDGED POSITIONS' showing a table of positions with columns for 'Symbol', 'Quantity', and 'Value'.
- Middle Left:** A window titled 'My Order Book' showing a table of orders with columns for 'Order ID', 'Symbol', 'Price', and 'Quantity'.
- Middle Right:** A window titled 'ORDER BOOK' showing a table of orders with columns for 'Order ID', 'Symbol', 'Price', and 'Quantity'.
- Bottom Left:** A window titled 'STERLING SETTINGS' showing a table of settings with columns for 'Symbol', 'Price', and 'Quantity'.
- Bottom Right:** A window titled 'ORDER BOOK' showing a table of orders with columns for 'Order ID', 'Symbol', 'Price', and 'Quantity'.

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Trinitech also provides sales and technical coverage through offices in Frankfurt, Tokyo, Singapore, Sydney and Hong Kong.



YesTrader

YesTrader	Futures	Options
STIR	✓	
Equity		
Index	✓	
Bond	✓	
Non-Financials	✓	

YesTrader provides trading and risk management tools to the professional screen trader and is proud to announce **Application Service Provider (ASP)**, a unique software-hosting and distribution model that lets trading professionals access electronic markets quickly, simply, and globally. YesTrader presents ASP as an option to managers who are looking for a turnkey electronic trading solution.

The clear advantage of ASP for the professional trader is the ability to simply plug-in to a safe, secure, and redundant trading environment and avoid the costs, support, and security issues of building and maintaining his or her own system.

The complex components of the system are hosted and maintained at YesTrader's secure electronic trading backbone at Comdisco, the leading provider of business continuity services, web-hosting, and

network technology to the wired economy, following the formation of our business alliance with them last year.

YesTrader also offers:

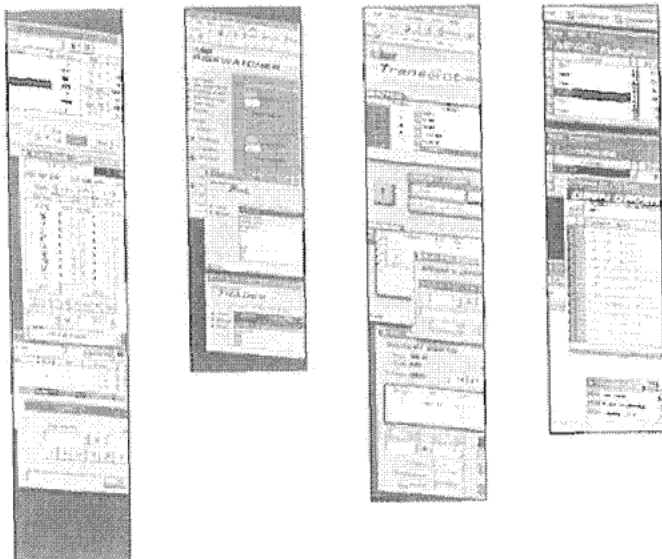
Trans@ct™ – a proprietary software tool that allows the professional trader to buy and sell futures across multiple exchanges from a single screen

Trans@ct:online – allows the professional trader to trade a full complement of exchange products from anywhere with web access

RiskWatcher™ – a powerful and intuitive risk management tool

BrokerBook™ – brings the functionality and flexibility of Trans@ct to your entire client roster

Options and Options Position Manager bring the power of YesTrader to the options markets.

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Value Added Network (VAN) suppliers

LIFFE has also established partnerships with selected third party network suppliers to facilitate access to LIFFE CONNECT™. Members wishing to utilise any of these solutions should be aware that connectivity is established via the third party network infrastructure as well as LIFFE's own network. As a result members should ensure that the access solutions meet their own business requirements in terms of performance, availability and support.

For an up-to-date list of Value Added Network suppliers, e-mail: liffeconnect@liffe.com

Member Order Routing Services

LIFFE CONNECT™'s state of the art design facilitates access to LIFFE's products in a variety of ways encompassing both direct access to the Exchange as well as access via our members' own proprietary systems. This section provides details of member firms offering order routing services and the relevant contact details. Information has been provided by firms at their discretion, and therefore the list may not include all of the member order routing systems that are available.

If you have any questions regarding member firms offering order routing access to LIFFE CONNECT™, e-mail: liffe.connect@liffe.com

<i>Member firms offering Order Routing Services</i>	<i>Page</i>
ABN AMRO Futures Ltd.	40
Banca D'Intermediazione Mobiliare IMI S.p.A.	41
Banco Santander Central Hispano, S.A.	42
Barclays Capital	43
Caboto Securities Ltd.	44
Cargill Investor Services Ltd.	45
Carr Futures Inc.	46
Credit Suisse First Boston	47
Deutsche Bank AG	48
Dresdner Kleinwort Wassertein	49
Easy2Trade Direct Ltd.	50
Fimat International Banque S.A.	51
GNI Ltd.	52
Goldman Sachs International	53
HSBC Bank plc	54
IBJ Lanston Futures	55
IntesaBci S.p.A.	56
J.P. Morgan Securities Ltd.	57
Lehman Brothers	58
Man Financial Ltd.	59
Merrill Lynch International	60
Monument Derivatives Ltd.	61
Options Direct (Europe) Ltd.	62
Refco Overseas Ltd.	63
RBS Greenwich Futures	64
SEB Futures	65
Timber Hill (Europe) AG	66
TRX Futures Ltd.	67
UBS Warburg	68
	39

ABN AMRO Futures Ltd.

Our user friendly order routing system 2Trade™ offers clients reliable, efficient and secure access to trade on multiple exchanges.

2Trade™ incorporates:

- fast accurate order entry
- easily configured layout
- connectivity options: internet, VPN or leased line
- direct feed into ABACUS for STP

Our browser based system, ABACUS, provides clients with account information and trade data. The system holds historic, current and intra-day information that is easily accessed, interrogated and

customised. Some of its many benefits include:

- flexible query tools
- data export facility
- intra-day risk management
- real time position keeping

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2 Trade [F1] [F2] [F3] [F4] [F5] [F6] [F7] [F8] [F9] [F10] [F11] [F12] [F13] [F14] [F15] [F16] [F17] [F18] [F19] [F20] [F21] [F22] [F23] [F24] [F25] [F26] [F27] [F28] [F29] [F30] [F31] [F32] [F33] [F34] [F35] [F36] [F37] [F38] [F39] [F40] [F41] [F42] [F43] [F44] [F45] [F46] [F47] [F48] [F49] [F50] [F51] [F52] [F53] [F54] [F55] [F56] [F57] [F58] [F59] [F60] [F61] [F62] [F63] [F64] [F65] [F66] [F67] [F68] [F69] [F70] [F71] [F72] [F73] [F74] [F75] [F76] [F77] [F78] [F79] [F80] [F81] [F82] [F83] [F84] [F85] [F86] [F87] [F88] [F89] [F90] [F91] [F92] [F93] [F94] [F95] [F96] [F97] [F98] [F99] [F100]

Actions Order Contact Messages Help

File Edit View Options Window Help

Order	Type	IS	Vol	Contact	Stop	Limit	Fill	Acc	Incl	Status
326	BUY			LIFFE EURO (EURIBOR) Future Sep 09(U)		94.445				Filed
323 (I)	FLY			LIFFE EURO (EURIBOR) Future Sep 09(U)		0.015				w/1
321 (I)	CAL			LIFFE EURO (EURIBOR) Future Sep 09(U)		0.005				w/1
320	BUY			LIFFE EURO (EURIBOR) Future Dec 09(C)		95.695				Filed
319	BUY			LIFFE EURO (EURIBOR) Future Dec 09(C)		94.74				Filed

Search [326] [Filtered]

Search

Contract

EUREX LIFFE Strategy View Preferences

Exchange	Instrument	F/O	Month	Month	Month	Bid Vol	Bid	Ask	Ask Vol	Last	Last Vol	Drop Vol
LIFFE	EURO (EURIBOR)		Sep 2009(U)	Sep 2009(U)	Sep 2009(U)	200	-1.45	-1.44	197	-1.44	1	574
LIFFE	EURO (EURIBOR)		Sep 2009(U) Dec 2009(C)	Sep 2009(U) Dec 2009(C)	Mar 2010(H)			0.015	1			0
LIFFE	EURO (EURIBOR)		Dec 2009(C)	Dec 2009(C)	Dec 2009(C)	393	95.695	95.905	5	95.89	3	699
LIFFE	EURO (EURIBOR)		Nov 2009(H)	Nov 2009(H)	Nov 2009(H)	202	94.435					0

Keyed Entry

Strategy Type Buy/Sell Volume Limit

None SELL 0 94.445

Exchange Instrument F/O Month

LIFFE EURO (EURIBOR) Future Sep 2009(U)

F1 F2 F3 F4 F5 F6 F7 Account

SELL

LIFFE EURO (EURIBOR) Future Sep 2009(U)

Cum BVol	BVol	Bid	Ask	AVol	Cum AVol
200	200	94.435			

LIFFE EURO (EURIBOR) Future Dec 2009(C)

Cum BVol	BVol	Bid	Ask	AVol	Cum AVol
393	393	95.695			
1274	881	95.88			
1824	560	95.875			
1927	93	94.62			
1945	18	94.615			

DN [326] [Filtered] 6 Sep 09(U) EURO (EURIBOR) 94.445 Last F8 5/24 445

Global

Stats Data

Life

Exec

Banca d'Intermediazione Mobiliare IMI S.p.A.

Banca IMI, the investment banking subsidiary of Sanpaolo IMI S.p.A. Group, offers bespoke screen trading solutions via secure dedicated leased lines or the internet.

Our screens can be deployed rapidly in the leading cities in Europe, America and Asia to provide electronic access to LIFFE and other exchanges.

The various trading systems provided use leading-edge technology that we are constantly improving, offering:

- security – SSL encryption protocol for internet connections
- reliability and capacity – proven system architecture and technical infrastructure with full support and helpdesk
- high performance – capacity tracking monitor, ensuring high transmission rates

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Member Order
Routing Services



Order ID	Order Type	Symbol	Quantity	Price	Status	Account
200121	W	EUR/USD	1000	1.2200	Executed	DAHESE
200122	F	EUR/USD	1000	1.2200	Executed	DAHESE
200123	W	EUR/USD	1000	1.2200	Executed	DAHESE
200124	F	EUR/USD	1000	1.2200	Executed	DAHESE
200125	W	EUR/USD	1000	1.2200	Executed	DAHESE
200126	F	EUR/USD	1000	1.2200	Executed	DAHESE

Order ID	Order Type	Symbol	Quantity	Price	Status	Account
200127	W	EUR/USD	1000	1.2200	Executed	DAHESE
200128	F	EUR/USD	1000	1.2200	Executed	DAHESE
200129	W	EUR/USD	1000	1.2200	Executed	DAHESE
200130	F	EUR/USD	1000	1.2200	Executed	DAHESE
200131	W	EUR/USD	1000	1.2200	Executed	DAHESE
200132	F	EUR/USD	1000	1.2200	Executed	DAHESE

Banco Santander Central Hispano, S.A.

Banco Santander Central Hispano, S.A. (BSCH Futures) provides Institutional clients with remote access to the major European futures and options exchanges including LIFFE. Clients can access, execute and manage trades from their own PC. The integrated BSCH Futures platform allows customers to get real-time access to intra-day trade recaps, accounts valuation and historical data.

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Banco

Santander Central Hispano

Barclays Capital

Barclays Bank is committed to electronic delivery of both product and pricing to all its counterparties and clients.

For exchange traded products two systems have been developed, which together provide real-time straight through processing from execution to clearing.

The trading system, **XTAS**, currently enables direct access to multiple exchanges including LIFFE as well as order routing to the Chicago exchanges.

The clearing system, FCAS, provides online web access to account information in a customisable format which permits easy integration with any client system.

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Member Order
Routing Services

BARCLAYS

The screenshot displays the XTAS trading system interface. At the top, there are menu options like 'File', 'Trading', 'Configure', 'Tools', 'Report', 'Window', and 'Help'. Below this is a toolbar with various icons for order entry and execution. The main window is titled 'LIFFE 1001833156 Full Order' and shows a 'BUY' order for 'H01 Sterling'. A 'Quote Entry' dialog box is open, showing a quote for 'LIFFE, Z, H01' with a price of '-1 @ 6510'. The main window also displays a 'Quote Entry' table with columns for 'Quote', 'Months', 'Bid/Ask', 'Est', 'Offer', 'Offer Size', and 'LT Price'. The table shows several quotes for 'H01' with various prices and sizes. At the bottom, there is a table with columns for 'Exchange', 'Contract', 'Date', 'Buy/Sell', 'Contract Price', 'Total/Remaining/Field', 'Status', 'Fid', and 'Order#'. The table lists various contracts and their execution status.

08/02/2001 11:06

Caboto Securities Ltd.

Caboto Securities was one of the first brokerage houses, since the end of 1998, able to offer, via a dedicated network, trading screens which provided clients with fast and reliable remote access to major European futures and options contracts.

Caboto Securities is continuously improving its offering and currently provides:

- access to multiple exchanges including LIFFE
- free installation and maintenance
- dedicated call centre
- technical help desk

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The screenshot displays a complex trading interface with several overlapping windows. The largest window in the foreground shows a table of market data with columns for 'Date', 'Time', 'Bid', 'Ask', 'Last', 'Open', 'High', 'Low', 'Close', and 'Volume'. Below this table, there are various control panels and smaller data windows, including one for 'Order Entry' and another for 'Position Summary'. The interface is typical of a professional trading terminal from the late 1990s or early 2000s.

This section shows two smaller screenshots from the trading software. The top one is an 'Order Entry' window with fields for 'Order ID', 'Quantity', and 'Price', along with dropdown menus for 'Order type' and 'Time in force'. The bottom one is a 'Position Summary' window showing a table of open positions with columns for 'Symbol', 'Quantity', 'Price', and 'Value'.

Cargill Investor Services Ltd.

Cargill Investor Services offers the eCIS custom-tailored solution for your electronic trading needs. The eCIS suite of products provide access via secure, dedicated lines or the internet. Our e-trading philosophy is based upon reliability, replication and risk management. A private high-speed communications network provides a global execution link into electronic and open outcry markets. The integrated eCIS platform also offers browser access to account and risk management information including real-time portfolio valuations and automated trade settlement and reconciliation features. CIS also offers order routing access via vendor networks, including Bloomberg, GL Net and CQG.

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www.cis.cargill.com

Member Order
 Routing Services



The screenshot displays the eCIS trading interface. At the top, there is a table of market data with columns for Name, Bid, Qty, Ask, Qty, Last, LOB, Volume, High, Low, and Opt. The table lists various instruments including X:M00, N:M00, Z:M00, R:M00, H:M00, FGBL:M00, FGBM:M00, FGBS:M00, and FDAK:M00. Below the table, there are several windows and panels. On the right, there is a 'CARGILL INVESTOR SERVICES' login window with fields for 'User ID' and 'Password' and a 'LOG IN' button. At the bottom right, there is a large 'eCIS' logo. The interface also shows various system menus and a taskbar at the bottom.

Carr Futures Inc.

CARR ONLINE is Carr Futures' new service that allows clients to electronically execute and manage trades from their own desktop PCs. CARR ONLINE offers real-time direct access to major global markets in futures, options and equities in a fast, accurate, secure trading environment.

Designed by traders, the screens are flexible, easy to use and allow clients to readily assess risk. Carr also offers internet products that deliver real-time account valuation, intra-day trade recaps and confirmation, auto-matching and extensive online reporting. Additionally, with Carr Futures' eBrokerage services, customers can access 24-hour global eTrading support for all LIFFE products available from Carr Futures.

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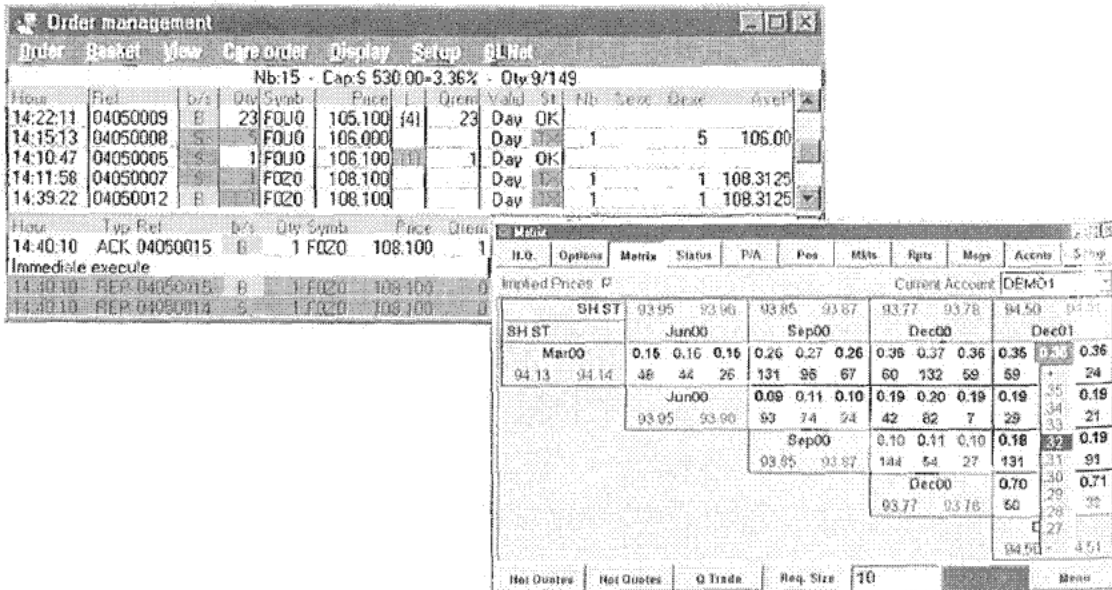
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CARR FUTURES


CREDIT AGRICOLE INDOSUEZ



The screenshot displays the Carr Futures trading interface. The top window, titled "Order management", shows a list of orders with columns for time, ref, b/s, Qty, Symb, Price, and Status. Below this, a "Market" window shows a grid of implied prices for various months (Jun00, Sep00, Dec00, Dec01) and strikes (SH ST).

SH ST	93.95	93.90	93.85	93.87	93.77	93.78	94.50	94.51
Mar00	0.16	0.16	0.16	0.26	0.27	0.26	0.36	0.37
Jun00	0.09	0.11	0.10	0.19	0.20	0.19	0.19	0.19
Sep00	0.10	0.11	0.10	0.18	0.18	0.18	0.18	0.19
Dec00	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.71
Dec01	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36

Credit Suisse First Boston

PrimeTrade is a leading state of the art electronic trading system, wholly built and developed by CSFB. **PrimeTrade** is web-based and provides an easy-to-use, trader-friendly interface for point and click execution on listed derivatives and FX. The system is fully integrated with the settlements component, PrimeClear, for straight through processing. It will be the Prime platform that in the near future, will offer all fixed income products on-line – giving our customers access to any market, anytime, anywhere.

Contact

Ernest Van Vredenburg

PrimeTrade Client Services (Europe)

CREDIT FIRST

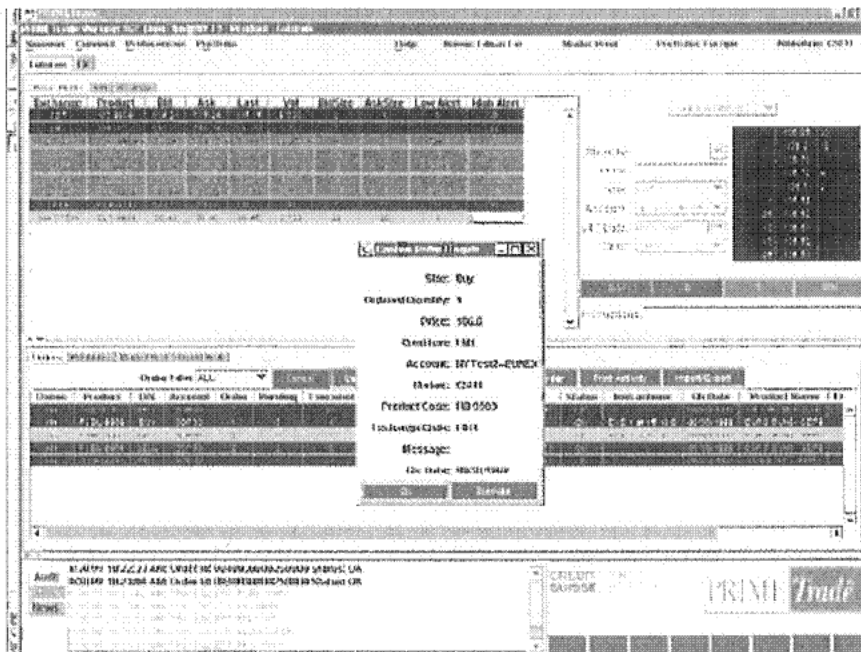
SUISSE BOSTON

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Member Order
Routing Services

CREDIT SUISSE | **FIRST BOSTON**



Deutsche Bank AG

Deutsche Bank is one of the largest and most efficient providers of execution and global clearing services in listed derivatives, offering direct execution and local clearing expertise in the world's major markets.

This global service is drawn together by **DB Exchange Link**, a powerful internet based client technology system – and an integral part of Deutsche Bank's commanding position in e-commerce solutions for trading environments.

Using **DB Exchange Link**, clients clearly benefit from the speed and security that genuine straight through processing provides for futures and options transactions.

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Deutsche Bank



db exchange link



The screenshot displays the DB Exchange Link trading platform. At the top, there is a list of contracts with columns for Order, Type, Contract, and Status. Below this, a 'Contract View' window shows detailed data for a specific contract, including 'Contract', 'No.', 'Bid', 'Ask', 'Last', 'High', and 'Low'. At the bottom, a 'Trade Entry' form is visible, showing fields for 'Contract', 'Quantity', and 'Price', along with a 'SELL' button.

Dresdner Kleinwort Wasserstein

GATORnet is DrKW's internet delivered ETD order entry system with live connection to screen based trading systems including LIFFE CONNECT™. GATORnet provides:

- access to multiple exchanges
- order entry direct from the browser
- menus of available contracts
- stop loss, limit and market orders
- a working order book to keep users completely in touch with order status
- a seamless circuit from order placement to the trade arriving on the position report

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Member Order
 Routing Services

Order	Type	RG	Vol	Contract	Strike	Stop	Limit	Time	Exp	Inst	Status
156	STO	S		LIFFE 10YR FRB (EURO) Future Jun 00M			98.00	10 Aug 00:00		LIMIT	Fled
155	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			6098.5	10 Aug 00:00		LIMIT	Fled
190	STO	S		LIFFE EURO BUND Future Sep 00U			0.02			LIMIT	Cancel
184	STO	S		LIFFE EURO BUND Future Jun 00M			160.00	10 Aug 00:00		LIMIT	Fled
183	STO	S		LIFFE EURO BUND Future Jun 00M			150.00	10 Aug 00:00		LIMIT	Fled
182	STO	S		LIFFE EURO BUND Future Jun 00M			122.00	10 Aug 00:00		LIMIT	Fled
181	STO	S		LIFFE EURO BUND Future Jun 00M			122.00	10 Aug 00:00		LIMIT	Fled
180	STO	S		LIFFE EURO BUND Future Jun 00M			123.00	10 Aug 00:00		LIMIT	Fled
137	STO	S		LIFFE EURO BUND Future Jun 00M			100.91	10 Aug 00:00		LIMIT	Fled
136	MARK	B		LIFFE EURO BUND Future Jun 00M				10 Aug 00:00		IOC	Fled
135	MARK	B		LIFFE EURO BUND Future Jun 00M				10 Aug 00:00		IOC	Fled
134	STO	B		EUREX FEU3 Future Jun 00M			37.40	10 Aug 00:00		LIMIT	Fled
133	STO	B		EUREX FEU3 Future Jun 00M			37.40	10 Aug 00:00		LIMIT	Fled
100	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			123			LIMIT	TBE
98	STO	B		LIFFE EURO BUND Future Sep 00U			98.70	10 Aug 00:00		LIMIT	Fled
97	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			6365	10 Aug 00:00		LIMIT	Fled
95	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			6356.5	10 Aug 00:00		LIMIT	Fled
96	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			6355.5	10 Aug 00:00		LIMIT	Fled
94	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
93	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
92	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
91	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			6000	10 Aug 00:00		LIMIT	Fled
90	STO	S		LIFFE FTSE 100 (NEW STYLE) INDEX Future			6000	10 Aug 00:00		LIMIT	Fled
75	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
74	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
69	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
68	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
66	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
65	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
64	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled
63	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			1.1			LIMIT	TBE
62	STO	B		LIFFE FTSE 100 (NEW STYLE) INDEX Future			100	10 Aug 00:00		LIMIT	Fled



Easy2Trade Direct Ltd.

Easy2Trade is the new way to access the world's financial markets online.

Delivered over the internet directly to your PC, Easy2Trade offers an easy to use and competitive trading service with:

- a choice of trading screens
- real-time risk management and clearing
- online account access
- secure funds transfer

Connecting you directly into the exchanges, Easy2Trade provides real-time prices with no added spread and instant dealing capabilities, with online real-time charts, quotes and news.

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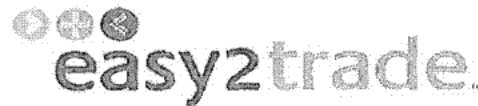
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The screenshot displays the Easy2Trade trading platform interface. A central dialog box titled "Order Submitted Successfully" is open, showing a "Quantity" of 5 and a "Price" of 95.405. Below the dialog, a "Working Orders" window lists several orders for "THREE MONTH EURO (EURIBOR)" with various statuses like "Unassigned Filled" and "Unassigned Accepted". To the right, a market data table shows bid and offer prices for the same instrument.

Bid	Last Offer	Offer Qty	Volume	Tot Vol	Buy	Sell
5432.0	5437.8	18	2	2	Buy	Sell
95.480			1	26	Buy	Sell
95.620	95.628	80	250	8958	Buy	Sell
95.405	95.405	250	5	13343	Buy	Sell

Fimat International Banque S.A.

Fimatrade™ is a dynamic and complete e-trading solution that provides customers secure and direct access to the largest derivatives markets from anywhere in the world, 24-hours a day. More than just a routing system, Fimatrade™ integrates execution and both middle and back office functionalities into a common straight through process within the Fimat environment.

Fimatrade™ was developed with the expertise of Fimat, one of the world's leading global brokerage organisations and a wholly owned subsidiary of Société Générale.

Fimatrade™ is offered by individual companies of the Fimat Group. For a demonstration, please contact your local Fimat office.

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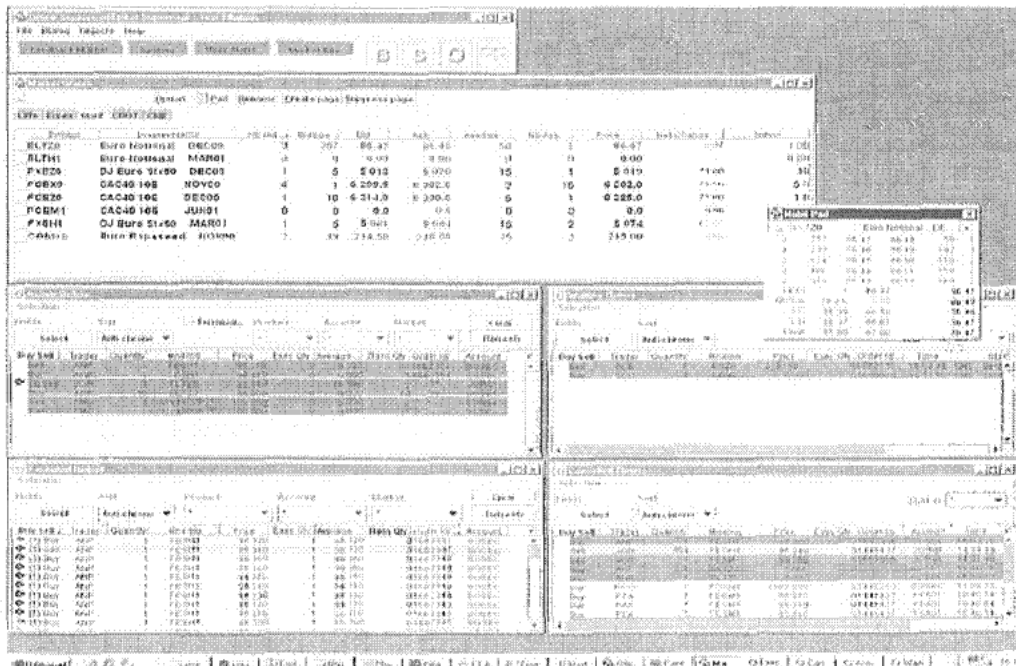
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SOCIETE GENERALE GROUP

Member Order
Routing Services



GNI Ltd.

The **GNI touch** futures platform provides direct access to futures contracts on LIFFE and other exchanges. GNI clients may execute their orders via the internet direct into these exchanges instantaneously, and enjoy live prices and complete depth-of-market data.

GNI touch futures provides the client with the comfort of a robust risk-management system, allowing individually tailored position limits to be set. The platform is supported by a 24-hour broking desk, which provides immediate reports on an order's progress, and can execute any global future or option via the phone if a client should have internet problems, or wish to trade a non-electronic market.

A full tradeable touch futures demonstration is available to download at www.gni.co.uk

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www.gni.co.uk



The screenshot displays the GNI touch trading interface with several windows:

- Current Account (PAT 100 Y):** Lists various futures contracts with columns for Bid, Offer, and Last price. Contracts include EUROFX, EUROFXD, LIFEX, and METAL.
- Order Account (PAT 100 Y):** Shows a grid of order data with columns for contract, price, quantity, and status.
- Order Book (LIFEX):** Displays a list of open orders with columns for contract, price, and quantity.
- Contract Summary:** A table showing contract details such as name, price, days to expiry, and volume.
- Market Data:** A table showing market statistics like price, size, and bid/offer.

Goldman Sachs International

Goldman Sachs International (GSI) is a premier global provider of derivatives services. Through innovative use of leading edge technologies GSI assists clients in achieving straight through processing throughout their derivatives operation. GSI provides clients with direct on-line access to many of the world's leading derivatives exchanges. This service is made available via the **Goldman Sachs Financial Workbench** – our one-stop shop for all front, middle and back office derivatives processing needs.

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Member Order
Routing Services

HSBC Bank plc

HSBC Bank plc is a General Clearing Member of LIFFE and its **Futures Direct** product offers:

- order routing and straight through processing for clearing customers
- access to the LIFFE product range and other exchanges from your own PC with browser software
- use of a virtual private network for improved security, performance and support
- optional access via the internet using digital certification
- full risk management and sales order book management with audit trail
- clearing browser with interactive confirmation functionality and secure access to real-time trade information and on demand reports over the internet

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www.hsbc.com



Screenshot of the HSBC Futures Direct clearing browser interface. The window title is 'HSBC'. The interface shows a 'Clearing Browser' with a table of clearing entries. The table has columns for 'Position', 'Description', 'Date', 'Qty', 'Bid', 'Ask', 'Last', 'Open', 'High', and 'Low'. The data includes entries for 'THREE MONTH EURO BOND', 'THREE MONTH EURO BOND', 'THREE MONTH EURO BOND', 'THREE MONTH EURO BOND', 'THREE MONTH EURO BOND', 'THREE MONTH EURO BOND', and 'THREE MONTH EURO BOND'. Below the main table, there are several smaller tables and panels, including a 'Clearing Browser' with columns for 'Date', 'Qty', 'Bid', 'Ask', 'Last', 'Open', 'High', and 'Low', and a 'Clearing Browser' with columns for 'Date', 'Qty', 'Bid', 'Ask', 'Last', 'Open', 'High', and 'Low'. The interface also includes a 'Clearing Browser' with columns for 'Date', 'Qty', 'Bid', 'Ask', 'Last', 'Open', 'High', and 'Low'.

IBJ Lanston Futures

IBJ Lanston Futures offer a global execution and clearing service in listed exchange derivatives for the Mizuho Financial Group.

The Mizuho Financial Group, the world's largest bank, was created in the merger between the Industrial Bank of Japan, Dai-ichi Kangyo Bank, and Fuji Bank.

Using leading edge technologies, the firm provides flexible electronic solutions for customers trade execution and risk administration as well as assisting customers in achieving straight through processing in their derivative operations.

Demonstrations are available.

Contacts

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IBJ LANSTON FUTURES
A MIZUHO FINANCIAL GROUP COMPANY

Member Order
Routing Services

The screenshot displays a trading platform interface with several windows:

- Top Left: 'Bid Quotes' window** showing a table of bid and offer prices for various contracts like CBOT A1Y1 JUN01.
- Top Right: 'Offer Quotes' window** showing a table of offer and last prices for contracts like EUREX1 EBOBL1 JUN01.
- Bottom Left: 'Bid Quotes' window** showing another table of bid and offer prices for contracts like EUREX1 EBOBL1 JUN01.
- Bottom Right: 'Market Depth' window** showing a detailed order book for a specific contract with columns for price, quantity, and time.

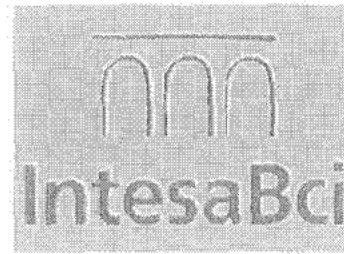
At the bottom of the interface, there are status bars for 'HDMI Connected', 'Pico Feed', and '8:05 PM'.

IntesaBci S.p.A.

IntesaBci offers clients a user friendly order routing system with dedicated lines to ensure reliability and security. These features combined with the comprehensive risk management system and the instant access to client positions available from the IntesaBci internet site enable clients to trade on multiple exchanges with straight through clearing and processing at the click of a button.

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IntesaBci										10/21										
List Quotes										Working Orders - filtered 1 of 11										
No.	Options	Market	Status	PA	Pos	Mkt	Rate	Mag	Accnt	Setup	ID	St	Order Details	Volume	Price					
Implied Prices P										Current Account: BCI										
Contract										Bid	Offer	Last								
Liffe \ LEHGGILT \ JUN01										114.57	114.58	114.58								
Size 14										9	1									
Liffe \ Euro Swiss \ JUN01										96.84	96.85*	96.84								
Size 281										280	24									
Liffe \ Euro Swiss \ SEP01										96.80*	96.89	96.89								
Size 176										7	88									
Liffe \ EURIBOR L \ JUN01										95.345	95.350*	95.345								
Size 224										1030	39									
Liffe \ EURIBOR L \ SEP01										95.545*	95.590*	95.545								
Size 234										052	21									
Liffe \ BT \ MAY01										570.5	582.5									
Size 10										10										
Liffe \ OLIVETTI \ MAY01										2.30	2.42									
Size 458										458										
Liffe \ TELE ITAL \ MAY01										7.45	7.53									
Size 175										175										
Liffe \ SIEMENS \ MAY01										125.58	125.93									
Size 10										10										
Pull Sel. Bids										Pull Sel. Orders										
Pull Sel. Offers																				
Q Trade										Ticket										
DOM										Req. Size										
50										Memo										
Host										Price Feed										
Converted										Fill received for order 100100										
										Completed Orders - filtered 11 of 91										
ID	St	Order Details	Volume	Price																
100023	P	EURIBOR L / MAY01 / S	100	95.230																
Show All P																				
100045	F	EURIBOR L / MAR02 / B	200	95.655																
100048	F	EURIBOR L / MAR02 / B	200	95.675																
100031	F	EURIBOR L / MAR02 / B	200	95.680																
100013	F	EURIBOR L / MAR02 / B	200	95.605																
100010	F	EURIBOR L / MAR02 / B	200	95.620																
100085	BC	EURIBOR L / JUN01 / S	500	95.356																
100051	C	EURIBOR L / SEP01 / S	350	95.560																
100038	C	EURIBOR L / MAR02 / B	200	95.625																
100035	C	EURIBOR L / JUN01 / S	200	95.350																
100072	F	EURIBOR L / SEP01 / B	500	95.535																
100071	F	EURIBOR L / JUN01 / B	500	95.345																
Q Trade Ticket Amend Pull Detail Tick On Query Check Forward Issue Print Mem																				

J.P. Morgan Securities Ltd.

J.P. Morgan offers a portfolio of solutions for members and non-members trading on LIFFE. Our **Bloomberg & MORCOM eXtraTrade** products package robust execution capabilities with extensive market and product reach to deliver you integrated trading solutions. For details on our exhaustive list of functionality and execution services, please contact us directly for a demo.

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Member Order
Routing Services

The screenshot displays a complex trading interface with multiple windows. The top window shows a list of orders with columns for 'Order', 'Name', 'Qty', 'Open', 'Price', 'Typ', 'Acct', and 'Ref'. Below this is a 'Market Watch' window showing real-time data for various instruments, including 'B.H00', 'C.703', 'FOE.H00', 'J.200', 'Z.200', 'Z.H00', and 'Z.L00'. The interface includes a 'Send' button and a 'Market Watch' window with columns for 'Name', 'Qty', 'Bid', 'Ask', 'Bid', 'Last', 'Vol', 'Open', 'High', 'Low', 'Close', and 'Volume'. At the bottom, there is a 'Send' window with fields for 'Order ID', 'Acct', 'Yield', 'Day', 'Position type', and 'Account code'. The interface also features a 'Market Watch' window with columns for 'Name', 'Qty', 'Bid', 'Ask', 'Bid', 'Last', 'Vol', 'Open', 'High', 'Low', 'Close', and 'Volume'.

Lehman Brothers

Access is provided to the world's major electronic futures markets through a state-of-the-art electronic trading platform.

Key features of the system are its sophisticated risk management and trade permissioning capabilities, flexible connectivity options (internet, VPN, leased line, etc.) and the ability to integrate with our customers' existing middle-office/risk management systems.

Lehman Brothers' market-leading IT solutions, including the **LEHMAN-LOGIC®** clearing and client information retrieval system, are reinforced by a commitment to support and training by a team of dedicated specialists.

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LEHMAN BROTHERS

Man Financial Ltd.

In addition to our own proprietary system, **MTrade**, Man Financial Ltd. has adopted the policy of supporting multiple trading platforms for access to LIFFE CONNECT™. We believe that it is important to provide active traders with choice. Accordingly, we also support Interactive Brokers, Trading Technology, and patsystems. Flexible packages are available, designed to suit both high volume and low volume clients.

We also provide online order routing to open outcry markets, as well as internet access to other electronic exchanges. The system supports stop losses, stop limits and market orders.

Real-time risk management and daily reconciliation is available on most systems.

Contact

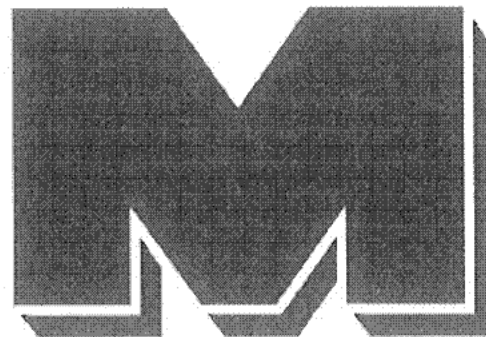
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Member Order
Routing Services

The screenshot displays the MTrade Pro trading platform. The main window shows a 'Market Prices' table with columns for Contract, Bid, Volume, Offer, Volume, Last, and Volume. Below this, there are sections for 'Working Orders' and 'Completed Orders', each with a table of order details including Order ID, Status, Details, Lots, Price, Fill, Num, Avg Price, and Account.

Contract	Bid	Volume	Offer	Volume	Last	Volume
LIFFE FTSE 100 JUN01	5497.5	1	5499.0	10	5498.0	2
LIFFE FTSE 100 JUL01	118.86	10	118.83	1		
LIFFE FTSE 100 AUG01	5772.0	5	5775.0	7	5770.0	8
LIFFE FTSE 100 SEP01	489.95	171	489.94	223	489.94	314
LIFFE FTSE 100 OCT01	7132.0	20	7132.0	11	7132.0	5
LIFFE FTSE 100 NOV01	4085		4087	8	4085	6

Order ID	St	Details	Lots	Price	Fill	Num	Avg Price	Account
1	W	FTSE 100 JUN01	1	5742.0	0%	0	0.0	
2	W	FTSE 100 JUL01	5	5748.0	0%	0	0.0	

Order ID	St	Rec	Details	Lots	Price	Fill	Num	Avg Price	Account
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Merrill Lynch International

G a web-based application developed to give clients full access to exchange traded debt and equity futures and options on LIFFE and other primary worldwide exchanges. Our futures and options electronic execution desk have used this platform since 1998. Since then, significant improvements have been made in developing the functionality and user friendliness of the system. **G2** provides a first class trading platform which will also offer access to the MLX portal the back office post trade delivery system, giving a complete straight-through-processing service.

G has been developed to maximise the client's involvement by combining the experience of both technicians and execution brokers. **G2** provides ease of execution and order management, delivering live exchange pricing, as well as real-time and historical market data, supported by detailed execution information. A comprehensive risk management tool backs up the trading functionality. All the information is clearly displayed in a windows based trading environment, which can be configured by the client to provide as much, or as little, information as required.

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The screenshot displays the G2 trading interface with several windows:

- Market Display:** Shows a table of market data for various instruments. Columns include Name, Bid, Ask, Last, Bid Size, Ask Size, Open, High, and Low. Instruments listed include L1900, L2000, EUR0, L1900, L2000, SP00, EUR1, and EUR2.
- Market Data:** Shows a list of market data points with columns for Name, Bid, Ask, Last, Bid Size, Ask Size, Open, High, and Low.
- Order Book:** Shows a list of orders with columns for Name, Bid, Ask, Last, Bid Size, Ask Size, Open, High, and Low.

Monument Derivatives Ltd.

Monument Derivatives Limited, is committed to providing leading edge online services equipping our clients with the practical tools and knowledge to give them the advantage in today's competitive electronic markets.

mentor is a fast, secure and comprehensive internet based trading solution for LIFFE Equity and Index Options, and Universal Stock Futures.

mentor provides brokers and traders with a professional, completely flexible online trading tool.

Other features include:

- continuous real time prices
- full market depth for all products
- order book showing working and filled orders

- dynamic display of fills as soon as they are traded
- comprehensive pre and post risk management

Contact

Jacqueline Tokley

Monument Derivatives Limited

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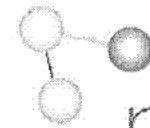
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E-mail: mentor@monumentderivatives.com

www.monument-online.com



MONUMENT
DERIVATIVES LIMITED



mentor

Order	Type	BS	Vol	Contract	E/O	Strike	Step	Limit	Fill
417	210	0	2	Vodafone Group PLC *Option* JUL 2001	C	210		0.350	2.00000 0.350
416	210	0	2	Tesco PLC *Option* AUG 2001	C	240		0.32	2.00000 0.32
415	210	0	2	Vodafone Group PLC *Option* JUL 2001	P	210		0.350	2.00000 0.350
414	210	0	2	Tesco PLC *Option* AUG 2001	C	240		0.33	2.00000 0.33
413	210	0	2	Thomas Water PLC *Option* JUL 2001	C	1100		0.46	2.00000 0.46

Exchange	Instrument	E/O	Maturity	Strike	Bid Vol	Bid	Ask	Ask Vol
LIFFE	Vodafone Group PLC	C	Jul 2001	210	15	24	5	5
LIFFE	Vodafone Group PLC	P	Jul 2001	210	2	30.5	32	5
LIFFE	Thomas Water PLC	C	Jul 2001	1100	10	95	176	2
LIFFE	Tesco PLC	C	Aug 2001	240	50	10	19.5	10

Refco Overseas Ltd.

Refco is a leading broker in global exchange traded derivatives for institutional and retail clients.

In keeping with its commitment to offer the highest possible service to its clients, Refco has developed **RefcoDirect**, a state of the art electronic online dealing platform. RefcoDirect will enable clients to access both exchange-traded and OTC products over a wide range of markets including financials, foreign exchange, precious and base metals, energy and commodities.

Through RefcoDirect, Refco complements the value-added service it already provides with the ease and transparency of online trading.

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Regulated by the SFA

www.refcoeuropa.com



Member Order
Routing Services

The screenshot displays the RefcoDirect trading interface. It features several windows:

- Market Data:** Multiple windows showing price movements for various instruments like 'LONG GILT SEP00' and 'LONG GILT SEP01'.
- Order Entry:** A central 'Trade' dialog box with fields for 'Quantity' (set to 100), 'Limit Price' (set to 113.60), and a large 'Buy' button.
- Order Book:** Windows showing 'Open Orders' and 'Entered Orders' with columns for quantity, price, and time.
- Messages:** A window at the top right displaying a list of messages with columns for document type, status, and message content.

RBS Greenwich Futures

RBS Greenwich Futures, supported by a highly advanced systems architecture, provides access to multiple electronic and open outcry derivatives exchanges globally.

GreenTrade offers fully integrated straight through processing systems, from execution to reconciliation and back office systems:

- real-time, quick and efficient order capture through a single screen
- order routing system
- issuance of an electronic ticket
- tracking and risk monitoring capabilities
- trader-friendly
- average pricing facility
- fund allocation facility

GreenScope is a state of the art in-house, internet based clearing system, providing:

- five minute intra-day updates
- immediate and secure access to account information
- provision of data downloads onto host systems
- average pricing and fund allocation facilities
- flexible margin management through an automated payment system
- easy access to market data for efficient account monitoring

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RBS GREENWICH FUTURES

SEB Futures

(A division of Skandinaviska Enskilda Banken AB)

Trading Station is designed for companies that are looking for a fast and easy way to manage their own financial dealings. With **Trading Station** you can trade FX, fixed income and futures using normal web browser connections.

100% internet product giving access to real-time futures, FX, commodity, equity and equity index prices. In addition **Trading Station** gives you access to market news, SEB research and trading recommendations.

Trading Station is a formidable source of market access and news allowing you to manage your financial risks. This product is not available to private clients.

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Member Order
Routing Services

The screenshot displays the SEB Trading Station interface. On the left, there are dropdown menus for 'Account' (0000), 'Exchange' (LIFFE), 'Group' (EQUITY INDEX), 'Contract' (Pls. Stock Index 100), and 'Delivery' (Jan00). The 'Order Type' section shows a 'Limit' order with a price of 6344.0 and a lot size of 2. Below this are 'Buy' and 'Sell' buttons. On the right, a table lists various futures contracts with their respective prices and lot sizes.

Contract	Price	Lot
FFRMS	6351.0000	0.0000
FLGRB	112.5200	112.5200
FLGRN	0.0000	0.0000
FVGB3	131.0000	131.0000
FVGB5	130.0000	130.0000
FVGB7	129.0000	129.0000
FVGB9	128.0000	128.0000
FVGB11	127.0000	127.0000
FVGB13	126.0000	126.0000
FVGB15	125.0000	125.0000
FVGB17	124.0000	124.0000
FVGB19	123.0000	123.0000
FVGB21	122.0000	122.0000
FVGB23	121.0000	121.0000
FVGB25	120.0000	120.0000
FVGB27	119.0000	119.0000
FVGB29	118.0000	118.0000
FVGB31	117.0000	117.0000
FVGB33	116.0000	116.0000
FVGB35	115.0000	115.0000
FVGB37	114.0000	114.0000
FVGB39	113.0000	113.0000
FVGB41	112.0000	112.0000
FVGB43	111.0000	111.0000
FVGB45	110.0000	110.0000
FVGB47	109.0000	109.0000
FVGB49	108.0000	108.0000
FVGB51	107.0000	107.0000
FVGB53	106.0000	106.0000
FVGB55	105.0000	105.0000
FVGB57	104.0000	104.0000
FVGB59	103.0000	103.0000
FVGB61	102.0000	102.0000
FVGB63	101.0000	101.0000
FVGB65	100.0000	100.0000
FVGB67	99.0000	99.0000
FVGB69	98.0000	98.0000
FVGB71	97.0000	97.0000
FVGB73	96.0000	96.0000
FVGB75	95.0000	95.0000
FVGB77	94.0000	94.0000
FVGB79	93.0000	93.0000
FVGB81	92.0000	92.0000
FVGB83	91.0000	91.0000
FVGB85	90.0000	90.0000
FVGB87	89.0000	89.0000
FVGB89	88.0000	88.0000
FVGB91	87.0000	87.0000
FVGB93	86.0000	86.0000
FVGB95	85.0000	85.0000
FVGB97	84.0000	84.0000
FVGB99	83.0000	83.0000
FVGB01	82.0000	82.0000
FVGB03	81.0000	81.0000
FVGB05	80.0000	80.0000
FVGB07	79.0000	79.0000
FVGB09	78.0000	78.0000
FVGB11	77.0000	77.0000
FVGB13	76.0000	76.0000
FVGB15	75.0000	75.0000
FVGB17	74.0000	74.0000
FVGB19	73.0000	73.0000
FVGB21	72.0000	72.0000
FVGB23	71.0000	71.0000
FVGB25	70.0000	70.0000
FVGB27	69.0000	69.0000
FVGB29	68.0000	68.0000
FVGB31	67.0000	67.0000
FVGB33	66.0000	66.0000
FVGB35	65.0000	65.0000
FVGB37	64.0000	64.0000
FVGB39	63.0000	63.0000
FVGB41	62.0000	62.0000
FVGB43	61.0000	61.0000
FVGB45	60.0000	60.0000
FVGB47	59.0000	59.0000
FVGB49	58.0000	58.0000
FVGB51	57.0000	57.0000
FVGB53	56.0000	56.0000
FVGB55	55.0000	55.0000
FVGB57	54.0000	54.0000
FVGB59	53.0000	53.0000
FVGB61	52.0000	52.0000
FVGB63	51.0000	51.0000
FVGB65	50.0000	50.0000
FVGB67	49.0000	49.0000
FVGB69	48.0000	48.0000
FVGB71	47.0000	47.0000
FVGB73	46.0000	46.0000
FVGB75	45.0000	45.0000
FVGB77	44.0000	44.0000
FVGB79	43.0000	43.0000
FVGB81	42.0000	42.0000
FVGB83	41.0000	41.0000
FVGB85	40.0000	40.0000
FVGB87	39.0000	39.0000
FVGB89	38.0000	38.0000
FVGB91	37.0000	37.0000
FVGB93	36.0000	36.0000
FVGB95	35.0000	35.0000
FVGB97	34.0000	34.0000
FVGB99	33.0000	33.0000
FVGB01	32.0000	32.0000
FVGB03	31.0000	31.0000
FVGB05	30.0000	30.0000
FVGB07	29.0000	29.0000
FVGB09	28.0000	28.0000
FVGB11	27.0000	27.0000
FVGB13	26.0000	26.0000
FVGB15	25.0000	25.0000
FVGB17	24.0000	24.0000
FVGB19	23.0000	23.0000
FVGB21	22.0000	22.0000
FVGB23	21.0000	21.0000
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FVGB27	19.0000	19.0000
FVGB29	18.0000	18.0000
FVGB31	17.0000	17.0000
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FVGB37	14.0000	14.0000
FVGB39	13.0000	13.0000
FVGB41	12.0000	12.0000
FVGB43	11.0000	11.0000
FVGB45	10.0000	10.0000
FVGB47	9.0000	9.0000
FVGB49	8.0000	8.0000
FVGB51	7.0000	7.0000
FVGB53	6.0000	6.0000
FVGB55	5.0000	5.0000
FVGB57	4.0000	4.0000
FVGB59	3.0000	3.0000
FVGB61	2.0000	2.0000
FVGB63	1.0000	1.0000
FVGB65	0.0000	0.0000
FVGB67	0.0000	0.0000
FVGB69	0.0000	0.0000
FVGB71	0.0000	0.0000
FVGB73	0.0000	0.0000
FVGB75	0.0000	0.0000
FVGB77	0.0000	0.0000
FVGB79	0.0000	0.0000
FVGB81	0.0000	0.0000
FVGB83	0.0000	0.0000
FVGB85	0.0000	0.0000
FVGB87	0.0000	0.0000
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FVGB11	0.0000	0.0000
FVGB13	0.0000	0.0000
FVGB15	0.0000	0.0000
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FVGB19	0.0000	0.0000
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FVGB23	0.0000	0.0000
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FVGB29	0.0000	0.0000
FVGB31	0.0000	0.0000
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FVGB73	0.0000	0.0000
FVGB75	0.0000	0.0000
FVGB77	0.0000	0.0000
FVGB79	0.0000	0.0000
FVGB81	0.0000	0.0000
FVGB83	0.0000	0.0000
FVGB85	0.0000	0.0000
FVGB87	0.0000	0.0000
FVGB89	0.0000	0.0000
FVGB91	0.0000	0.0000
FVGB93	0.0000	0.0000
FVGB95	0.0000	0.0000
FVGB97	0.0000	0.0000
FVGB99	0.0000	0.0000
FVGB01	0.0000	0.0000
FVGB03	0.0000	0.0000
FVGB05	0.0000	0.0000
FVGB07	0.0000	0.0000
FVGB09	0.0000	0.0000
FVGB11	0.0000	0.0000
FVGB13	0.0000	0.0000
FVGB15	0.0000	0.0000
FVGB17	0.0000	0.0000
FVGB19	0.0000	0.0000
FVGB21	0.0000	0.0000
FVGB23	0.0000	0.0000
FVGB25	0.0000	0.0000
FVGB27	0.0000	0.0000
FVGB29	0.0000	0.0000
FVGB31	0.0000	0.0000
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FVGB39	0.0000	0.0000
FVGB41	0.0000	0.0000
FVGB43	0.0000	0.0000
FVGB45	0.0000	0.0000
FVGB47	0.0000	0.0000
FVGB49	0.0000	0.0000
FVGB51	0.0000	0.0000
FVGB53	0.0000	0.0000
FVGB55	0.0000	0.0000
FVGB57	0.0000	0.0000
FVGB59	0.0000	0.0000
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FVGB69	0.0000	0.0000
FVGB71	0.0000	0.0000
FVGB73	0.0000	0.0000
FVGB75	0.0000	0.0000
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FVGB83	0.0000	0.0000
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FVGB93	0.0000	0.0000
FVGB95	0.0000	0.0000
FVGB97	0.0000	0.0000
FVGB99	0.0000	0.0000

Timber Hill (Europe) AG

(Interactive Brokers)

Interactive Brokers (IB) is an affiliate of the Timber Hill Group which has remained at the forefront of the electronic brokerage industry since 1993.

IB have revolutionised the securities and derivatives market by providing investors with direct, high-speed access to trade markets around the world.

IB's execution network processes several hundred thousand orders per day. IB customers benefit from seamless connections to LIFFE CONNECT™ and to more than 30 equity and derivatives exchanges and ECNs.

Contact

Gerald Perez

Interactive Brokers

10 Arthur Street

First Floor

London EC4R 9AY

Tel: +44 (0)20 7283 5070

E-mail: gperez@interactivebrokers.com

Interactive Brokers LLC
A Member of The Timber Hill Group
The Professional's Gateway to the World's Markets

The screenshot displays the 'Order Book' window in the Interactive Brokers Trader Workstation. The window title is 'IB Trader Workstation' and it includes a menu bar with 'File', 'Edit', 'Settings', 'Order', 'View', 'Ticker', and 'Help'. Below the menu bar, there are tabs for 'My Open', 'SWAP', 'KETA', 'Global Desk', 'US Markets', and 'Pending'. The main area contains a table of open orders with the following columns: Contract, Bid Size, Bid Price, Ask Price, Ask Size, Last Price, Change, Last Size, and Exchange. The table lists various contracts such as GER F MAR01 EUR DTB FGBE, SMT MAR01 CHF SOFFEX F5M, and others. A context menu is visible on the right side of the table, with options like 'Insert Ticker', 'Modify', 'Delete', 'Description', 'Buy', 'Sell', 'Insert Flow', and 'Delete Flow'. At the bottom of the window, there are keyboard shortcuts: 'Buy=H+B', 'Sell=H+S', 'Insert=I', and 'Cancel=C'.

Contract	Bid Size	Bid Price	Ask Price	Ask Size	Last Price	Change	Last Size	Exchange
GER F MAR01 EUR DTB FGBE	109.27	109.28	109.28	1.00	109.28	+0.00		
GER DTB MAR01 DEM XXX FGBE D	109.270	109.300	109.300	1.00	109.28			
SMT MAR01 CHF SOFFEX F5M	8002.00	8002.00	8002.00	27	8001.00	-0.99	2	
USF MAR01 USD GLOBEX ES	1350.78	1351.25	1351.25	11	1351.25	+1.75	1	
MEX01 F MAR01 EUR DEM MEX30	43545.0	43550.0	43550.0	1	43545.0	+280.0	1	
MAX F MAR01 EUR DTB FMAX	6654.00	6655.00	6655.00	4	6656.00	+36.00		
DAX F EUR DTB DAX	6654.00	6655.00	6655.00	1	6654.00			
STX F MAR01 EUR MATF FXS	4463.00	4463.00	4463.00	10	4464.00			
STX F MAR01 EUR DTB FSTX	4463.00	4467.00	4467.00	19	4467.00	+20.00	11	
YF MAR01 GBP LIFFE Y	6243.00	6243.00	6243.00	8	6243.00			
YF MAR01 GBP LIFFE Z	6243.00	6243.00	6243.00	8	6243.00	+28.00	2	
ESIX50 F MAR01 EUR MATF FDE	4679.00	4681.00	4681.00	50	4678.00	+18.00	3	
ESIX50 F MAR01 EUR DTB FESX	4679.00	4680.00	4680.00	25	4679.00	+17.00	25	
DEK S EUR ERS CER	99.02	99.13	99.13	900	99.10	-0.28	2000	
BA S CHF ERS BA	84.56	84.53	84.53	1000	84.53	+0.50	800	
YHOO S USD WSTINT F HWS	13.14	13.14	13.14	2	13.14			
OMX F MAR01 SPX OMS OMX	1061.26	1062.00	1062.00	30	1061.75	-7.25	10	
CAC F MAR01 EUR MATF FCE	5021.50	5021.00	5021.00	7	5021.50	+33.50	8	
HSI F MAR01 HKD DTB FHSI	15395.0	15395.0	15395.0	2	15395.0			
SMI F CHF SOFFEX SMI	19.80	21.50	21.50	10	19.80	-60.00	2	
IBSN O MAR01 270 O C CHF 20	1.40	2.40	2.40	111	1.40			
IBSN O MAR01 270 O P CHF 20	1.40	2.40	2.40	111	1.40			
NMAX F MAR01 EUR DTB FN50	2605.00	2610.00	2610.00	25	2605.00	+83.00	2	
ZSRN S CHF EBS ABBN	160.50	160.75	160.75	12400	160.75	+9.25	300	
E100 F MAR01 EUR LIFFE O	3475.00	3475.00	3475.00	25	3475.00	+12.00	1	

TRX Futures Ltd.

TRX trader™ has been developed to complement our existing telephone broking services and is available for trading remotely (order routing).

You can also view real-time information of your account remotely with the **TRX Inquiry™** facility.

Both of these robust and secure systems are user friendly and allow us to monitor your trading whilst giving you the freedom to execute your own trades.

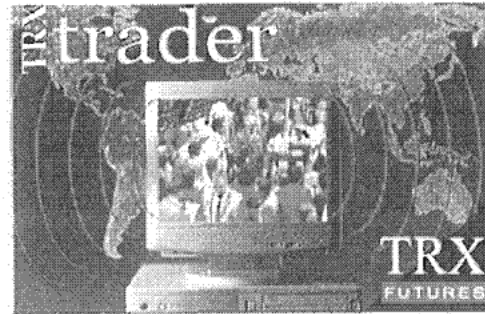
TRX trader™ is available to you over a wide range of communication media whether using the internet browser, an ISDN line or any mainstream LAN topology.

Demonstrations and further information available.

Contact

David Carter
Jonathan Boutell
TRX Futures Ltd.
Michael House
35 Chiswell Street
London
EC1Y 4SE
Tel: +44 (0)20 7880 6000

www.trxfutures.com



Member Order
Routing Services

Trading Bureaux

UBS Warburg

Is immediate fast enough?

Straight-through, on-line

- live prices through your browser
- TWO CLICK trading
- immediate status of your orders
- easy to use
- safe and secure
- 24 hour global support from dedicated IT and market professionals
- global order book

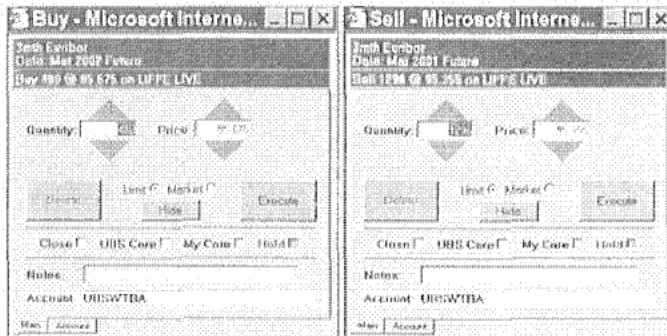
SwisKey™ is an integrated clearing and execution product, linking global clients with global markets – the perfect solution to deliver straight through processing.

Contact

Paul Orchard

Tel: +44 (0)20 7567 4461

E-mail: paul.orchard@ubswarburg.com



Trading Bureaux

Since the introduction of LIFFE CONNECT™ there has been an increase in the number of LIFFE members providing access to independent traders from Trading Bureaux.

This section provides details of such Bureaux and the relevant contact details. Information has been provided by firms at their discretion and this list may not include all of the Trading Bureaux that are in operation.

If you have any questions regarding Trading Bureaux offering access to LIFFE CONNECT™, e-mail trading.bureaux@liffe.com

<i>Trading Bureaux</i>	<i>Page</i>
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Fortis Clearing London Ltd.	72
GH Financials Ltd.	73
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MacFutures Ltd.	76
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Sucden (UK) Ltd.	80
Syntrium	81
Trading Connections Ltd.	82

The Candlestick Trading Company Ltd.

(Clearing through Fortis Clearing London Ltd. or GNI Ltd.)

The Candlestick Trading Company (CTC) is located in Shenfield, Essex. The day-trading office provides a professional trading environment for fifty traders with direct links to the exchanges through state-of-the-art technology systems.

CTC supplies each of its clients with free daily advice on major commodities. This professional technical analysis is available to the public for just £2.99 per day from www.ctctrader.com

CTC also offers a revolutionary insurance scheme for sole traders with deposits of £25,000 and above.

Contact

John L. Fitt

E-mail: john@ctctrader.com

Chris Gennings

E-mail: chris@ctctrader.com

The Candlestick Trading Company Ltd.

Whitegates Business Centre

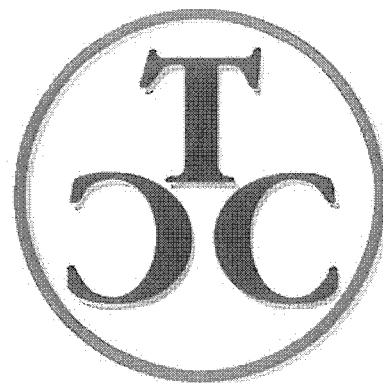
Alexander Lane

Shenfield

Essex

CM15 8QF

Tel: +44 (0)1277 222392



Curvalue UK Ltd.

(Clearing through Fortis Clearing London Ltd.)

Contact

Jennifer Bogert

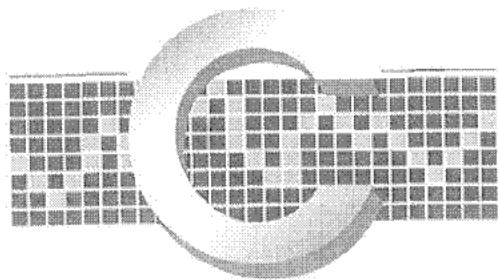
Ground Floor

51-55 Gresham Street

London EC2V 7EL

Tel: +44 (0)20 7665 9400

E-mail: j.bogert@curvalue.com



Trading Bureaux

Fortis Clearing London Ltd.

Fortis Clearing London is at the forefront of the new developments surrounding electronic trading. A complete trading office is supplied enabling clients to gain full access to multiple electronic markets including LIFFE CONNECT™. Fortis Clearing London ensures clients have all the required trading facilities including quote vendors, user-friendly software and IT help-desk support.

Fortis Clearing London offers comprehensive and integrated clearing and settlement services in derivatives and associated securities, and financing of derivatives and securities trading through a flexible approach towards professional users of the financial markets.

Contact

Simon Butler

Fortis Clearing London Ltd.

Camomile Court

23 Camomile Street

London EC3A 7PP

Tel: +44 (0)20 7444 8237

E-mail: simon.butler@fortisbank.com



Fortis Clearing London Ltd.

Regulated by SFA. Member of the London Stock Exchange

GH Financials Ltd.

GH Financials Ltd. (GHF) was founded in 1992, and is a General Clearing Member of LIFFE and regulated by The Securities and Futures Authority. The principal activities of the company are to provide clearing services on global futures and options markets to professional customers. Customers may trade from the company's fully equipped offices or from a remote location through an electronic link. The company also provides a full execution service and plans to introduce an internet based service. GHF provides full support in the provision of on site IT and risk management controls.

Contact

Hugh Cooper
5th Floor Vintners Place
68 Upper Thames Street
London EC4V 3BJ
Tel: +44 (0)20 7653 6400
E-mail: h.cooper@ghf.co.uk
E-mail: marketing@ghf.co.uk



G.H. Financials Limited

Trading Bureaux

Global Direct Dealing (Professional) Ltd.

(Clearing through GNI Ltd.)

Global Direct Dealing (GDD) offers professional solutions for professional traders:

- modern, air-conditioned offices in the City of London, Billericay (Essex), Paris and Zurich
- professional working environment
- instant occupancy
- state of the art technology
- trading platform giving direct access to major exchanges
- pre-trade risk control, preventing limit violations
- access to the leading price, charting and news providers are available
- professional helpdesk
- 24 hr internet access
- all within a competitive cost environment
- regulated by the SFA

Contact

GDD City of London

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Tel: +44 (0)20 7550 1544

E-mail: sisty.nayar@gdd.co.uk

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Paul Williamson

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GDD Zurich

George Fleming

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E-mail: george.fleming@gdd.co.uk



Global Direct Dealing

The Kyte Group Ltd.

Secure – selective – speedy – safe – superior – systematic – successful – simple – sensible – sensational – one-click trading.

From the Kyte Group's futuristic dealing room in Islington or from your home-based mission control, enter trading cyberspace with our choice of the fastest front-ends on the market.

Immediate access through LANs, internet or dedicated leased lines. Successful traders, experienced IT engineers, dedicated support staff. Join a team with a proven track record.

The Kyte Group – worlds of opportunity.

Contact

Peter Green

The Kyte Group Ltd.

Business Design Centre

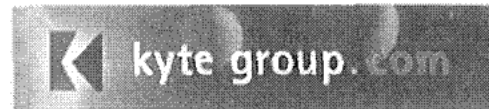
52 Upper Street

Islington

London N1 0QH

Tel: +44 (0)20 7390 7777

E-mail: info@kytegroup.com



Trading Bureaux

MacFutures Ltd.

(Clearing through Refco Overseas Ltd.)

MacFutures Ltd. is a proprietary trading company that has been financially backing and facilitating traders on the electronic markets for over three years.

The focus at MacFutures is the management and training of traders and we have recently developed and implemented a series of comprehensive training programmes.

The MacFutures office offers first-class services, layout and atmosphere along with a complete range of front-end systems, charting packages, news services, research and squawk facilities.

MacFutures offers direct trading access to multiple exchanges including LIFFE.

The cost structure at MacFutures is incredibly competitive with its backing deals, commissions fees, and desk charges.

Contact

Oliver Jones

MacFutures

12-20 Camomile Street

8th Floor

London EC3A 2EX

Tel: +44 (0)20 7959 1400

E-mail: ollie@macfutures.co.uk

www.macfutures.co.uk



Mariner Screen Traders 2001

(Clearing through GNI Ltd.)

Mariner Screen Traders 2001 split all costs collectively so as to keep down the individual's monthly expenditure. Hence we find our rates to be highly competitive with all London and rural offices. Our clearing firm is GNI. The trading platform provided is PATs 2, which enables us to have direct access to LIFFE CONNECT™. We currently have a client base of 12-14 with facilities for 22 traders. The office offers both kitchen and restroom facilities.

Contact

Mariner Screen Traders 2001
Suite 8
Bodys Buisness Centre
27a Queens Road
Southend on Sea
Essex
SS1 1LT
Tel: +44 (0)1702 436981
E-mail: traders157@aol.com

Mariner Screen Traders

Trading Bureaux

OnScreen Trading

(Clearing through The Kyte Group Ltd.)

OnScreen Trading is a new concept in creating a trading environment, offering full access to LIFFE and other exchange products.

Modern offices, based in Bromley, with state-of-the-art technology, offer the independent trader a more relaxed dealing room, creating the perfect environment for trading.

Automated risk-management, clearing and back office facilities provided by the Kyte Group, one of the largest independent derivative clearers in the UK. The Kyte Group is a member of LIFFE and regulated by the SFA.

Contact

Guy Lawrence

OnScreen Trading

Imperial House

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Bromley

Kent BR1 1DS

Tel: +44 (0)20 8256 5700



Sequoia Capital Ltd.

(Clearing through The Kyte Group Ltd.)

Through our facilities, we provide market making services to all market participants in short term interest rate options on LIFFE. We are Designated Market Makers for short sterling options. We offer the ability to transact large volume business to banks and institutions.

Contact

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Matthew Brown

E-mail: matthew@sequoiacapital.co.uk

Sequoia Capital Limited

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London W11 3EQ

Tel: +44 (0)20 7221 1111



SEQUOIA
CAPITAL
LIMITED

Trading Bureaux

Sucden (UK) Ltd.

The SucCESS Trading Bureau is located on two professional style trading floors within a modern, fully equipped office in the heart of Brentwood. The bureau offers professional traders and experienced investors direct trading access to LIFFE products.

Linkage to Sucden's state-of-the-art trading system is via a high speed communication line which facilitates virtually instantaneous executions. This is available alongside charting, real-time data, internet access and clearing facilities at competitive rates, which are tailored to fulfil individual requirements.

On-site Sucden staff are available to ensure a speedy and efficient response to all trading system and trader account queries.

Contact

Bureau
Louise Lyons
104a High Street
Brentwood
Essex
CM14 4AP

Tel: +44 (0)1277 260928
E-mail: llyons@sucden.co.uk

Sucden Main Office
Martin Pratt
5 London Bridge Street
London
SE1 9SG

Tel: +44 (0)20 7940 9400
E-mail: mpratt@sucden.co.uk

www.success-trading.com



Syntrium

(Clearing through GNI Ltd.)

Syntrium is an established trading room in a prime town location within Chelmsford, Essex. No deposit and only one month's commitment at a time.

We've a great atmosphere, offer a selection of complimentary drinks and Newspapers, SKY (with sports) throughout, a lounge, kitchen facilities, and technical support staff. Reuters, Bloomberg, and FutureSource are all available. Large desks with dual monitors, private phone, and optional internet access. Additionally, you can access your desk from the comfort of your home.

Contact

Simon Wright

E-mail: simon@syntrium.com

Saul Saywood

E-mail: saul@syntrium.com

Syntrium

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Essex CM1 1BE

Tel: +44 (0)1245 493473

www.syntrium.com

Trading Bureaux

Trading Connections Ltd.

(Clearing through Fortis Clearing London Ltd.)

Trading Connections Ltd. is an innovative company offering trading access to all the major financial markets in the world. Based in the idyllic village of Chislehurst, 15 minutes from the City, clients can trade in a relaxed atmosphere using state-of-the-art equipment and software.

Fortis Clearing, one of the largest clearers in the world, provide automated risk management, clearing and back office facilities.

Fortis Clearing are full clearing members of all major financial exchanges and are regulated by the SFA.

Contact

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Jonny Aucamp

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Ray White

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Suite 13

71-75 High Street

Chislehurst

Kent BR7 5AG

Tel: +44 (0)20 8467 5511

www.tradingconnections.co.uk

tradingconnections



Back and Middle Office Suppliers

As LIFFE's business develops, LIFFE has forged closer marketing and technical links with key suppliers of back and middle office systems.

Back office suppliers are critical in the delivery of accurate trade reconciliation data to LIFFE Clearing Members. They also therefore play a crucial role in the risk management chain between the front, middle and back offices.

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Back Office

Data Exchange Systems Ltd.

The following key features and benefits are available for LIFFE members using **CADRE**, Data Exchange Systems' back office product:

- latest technology – full 32 bit windows workstations and servers
- open systems architecture TCP/IP, ODBC
- friendly, intuitive graphical user interface
- comprehensive system and data security
- real-time position keeping, risk management
- double entry accounting
- interfaces to external systems, exchange feeds, quote vendors, web
- segregated and non-segregated accounting
- wide range of management reports
- flexible commission structure
- CADRE margin monitor®, advises of accounts approaching their limits
- CADRE system is integratable with other exchange traded and over the counter products

- online archiving of client statements and daily reports
- automatic end of day and intra-day e-mail, faxing
- FTP to web for client statements – intra-day and end of day
- automated trade imports via LCH TRS/CPS and PCBridge
- real-time trade imports, via web or other sources
- increased customer service and improved profitability with real-time margining and valuations
- simple to use and easy to access up to date account positions and valuations as required

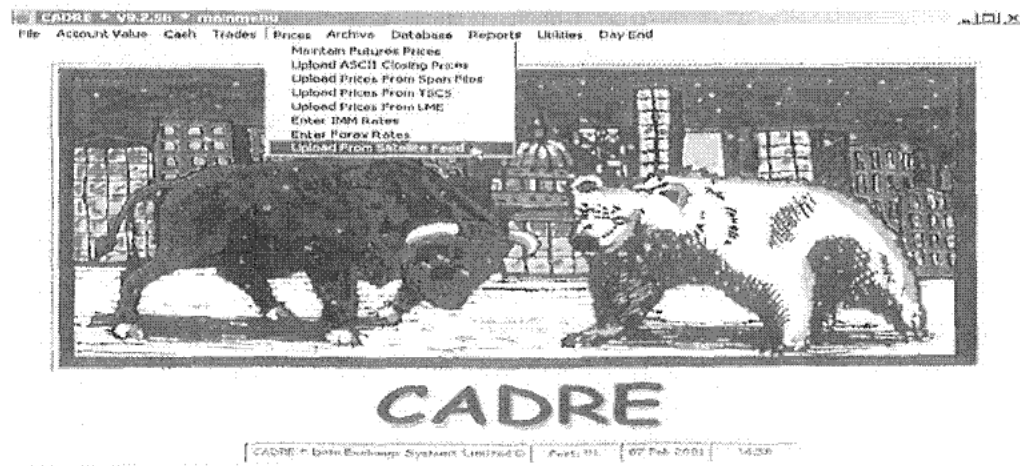
Contact

Tel: +44 (0)20 7481 4354

E-mail: info@desl.com

Data Exchange Systems Ltd.

CADRE



Euro Finance Systems

Euro Finance Systems is a company specialising in back-office automation management for exchange-traded derivatives markets, providing the following products and services:

Eurosys Futures

- software designed to increase futures and options back-office efficiency for clearers, brokers and end-clients
- quick handling, follows clearing houses rules and manages with a pre-existing software environment
- graphical user interface in Windows environment
- multi-database CLIENT/SERVER architecture
- 60+ European financial institutions use Eurosys Futures to fix the accounting and administration management of their deals on multiple exchanges including LIFFE

Eurosys Gateway

- software package for clearing house members
- provides link between exchanges and their members
- allows the daily download of information in real-time
- automatic recovery of real-time information available for the electronic network which connects all market members

Eurosys Feed

- internet transfer service for official files containing the daily parameters of calculation

Consultancy

- planning and implementing the back-office system

Contact

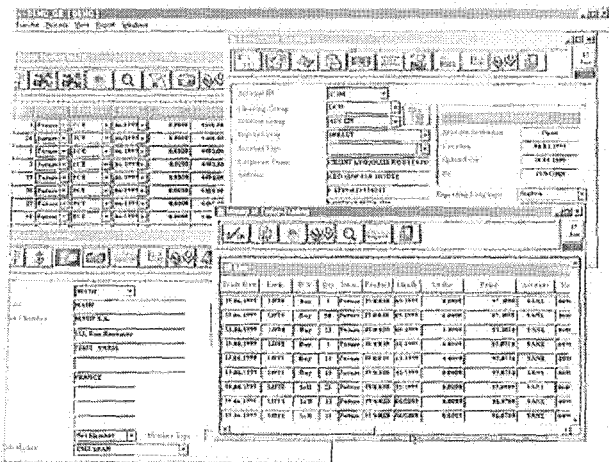
Christophe Laporte

Tel: +33 (1) 4871 5969

E-mail: claporte@euro-finance-systems.fr

www.euro-finance-systems.fr

Back Office



Future Dynamics

load&go is a powerful full service client portal that enables LIFFE Clearing Members to revolutionise their client service offering, quickly and cost effectively:

- web client portal
- MIS database
- delivery of any data or report
- customised client statements
- two-tier branding
- prime brokerage functionality
- independent back office system
- complete integration with any back office system
- global 24/7 support
- demonstrations available

Contact

Steve Tucker, Charles Robson – London

Tel: +44 (0)20 7247 4700

Patrick Thornton-Smith – New York

Tel: +1 212 372 8915

Peter Hutchison – Chicago

Tel: +1 312 435 0461

E-mail: sales@fdlweb.com

www.fdlweb.com



Rolfe and Nolan

Rolfe and Nolan provide a comprehensive trading, clearing and settlement system for LIFFE and other global derivatives markets. Rolfe and Nolan systems provide a real-time clearing interface to LIFFE, incorporating capture of all trading activity in addition to settlement and theoretical prices.

We provide flexible, parameterised clearing and settlement functionality, tailored to specific client requirements including:

- SPAN margin calculations
- commission calculations
- comprehensive flexible reporting and client statement generation
- automated reconciliation
- flexible host and general ledger systems interfacing

Contact

Rolfe and Nolan Plc

Lowndes House

1/9 City Road

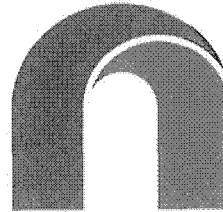
London

EC1Y 1AE

Tel: +44 (0)20 7374 4841

E-mail: marketing@rolfeandnolan.com

www.rolfeandnolan.com



**ROLFE &
NOLAN**

SunGard Futures Systems

SunGard Futures Systems provides back-office processing solutions for the exchange traded derivatives industry. Clients are able to enjoy the benefits of a single, global system for all of their futures, options and exchange traded derivatives processing.

SunGard is a global market leader in the exchange-traded derivatives back-office software markets with its **GMI System** and **Octagon** range of software and services. We service a blue-chip client base of international investment banks, global clearing firms, futures brokers and fund management companies.

SunGard Futures Systems is a subsidiary of SunGard Data Systems Inc., which is traded on the NYSE under the symbol SDS. SunGard systems are now processing over three million trades daily, routing nearly 70% of Nasdaq trade orders, and managing over \$11 trillion in investment assets.

www.sungard.com

SUNGARD[®]
FUTURES SYSTEMS

Contact

Steve Auerbach – Chicago
1 S. Wacker Drive – Suite 400
Chicago IL 60606

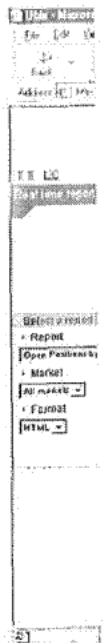
Tel: +1 312 577 6100

E-mail: sauerbach@sungardfutures.com

Jim Donaghy – UK
61 Threadneedle Street
London EC2R 8PP

Tel: +44 (0)20 7664 1850

E-mail: jdonaghy@sungardfutures.com



ClearVision

FL Software, now part of GL TRADE, initially developed ClearVision in 1992 for Matif and Monep. ClearVision is an industry leader in the arena of exchange interfacing, reconciliation and submission of data back to the exchanges.

Now, with more than 200 servers installed ClearVision has become a leading clearing tool for LIFFE customers. It automatically handles the clearing, give-in and give-out processes and facilitates the breakdown of CTA's business. A Risk Management and a Multi-Market Matching Module are also available.

Integrated in OPSYS, the revolutionary GL TRADE front-middle office solution, ClearVision is an automated matching system that offers online access to futures exchanges around the world including LIFFE.

The use of ClearVision results in increased efficiency and will allow middle office staff to concentrate on discrepancies and errors.

Contact

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The screenshot displays the ClearVision software interface. On the left, a table lists various data points with columns for 'Clearing type', 'Date', 'Code', 'Qty', 'Quantity', 'Dir', and 'Delivery'. On the right, a 'ClearVision - Parameters' dialog box is open, showing fields for 'Contract', 'Account', 'Market', 'Member', 'XGM', 'Fee', and 'Version'. Below these are sections for 'Owner' (GroupACTA), 'Name' (Cesa blanche), 'Clearing' (GIR/Sungsd), and 'Back-office' (Other 00). There are also dropdown menus for 'Group' and 'CFA' (Name: GG, Rank: 4). At the bottom, a list of users is shown with columns for 'Dir.', 'Owner', 'Name', and 'Full name', including entries like 'MRR.Lth CPT1' and 'BGF.Lth TEST'. Buttons for 'Add', 'Delete', 'Change', 'Clear', and 'Query' are visible at the bottom of the dialog.

Middle Office

Emos

Emos provide a complete range of fully flexible straight through processing software for LIFFE.

- flexible reconciliation tool for two or more sources containing the same information

Trade Matching and Clearing System:

- clearing account
- automatic give-in acceptance and allocation
- split management facility
- matching criteria as defined by user
- back office link providing real-time confirmed trade feed and exercise and assignment details to a back office system or any other external system
- web interface allowing end customer login into the web server to manage their clearing business in real-time (give-in acceptance, allocation, breakdowns)

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UnMatched	UnCleared	Matched	Cleared	All	Error	Not Taken	Given	Pending	Partial								
Number	B/S	Vol	Mat	Clc	Ctrl	C/P	Expiry	Strike	Price	Broker	Acct	Market	Acc	Env	Out Bk	Out Mng	Status
1100000	B	14	14	14	R		0006	96.80		HOUSE	LIFFE	H	CONNECT				Cleared
1100000	S	55	55	55	R		0006	96.40		SEG	LIFFE	S	CONNECT				Cleared

Number	B/S	Vol	Mat	Clc	Ctrl	C/P	Expiry	Strike	Price	Broker	In	Sta	Market	Contract	Trader	Acc	Env	Status
000157	B	14	14	14	R		0006	96.80					LIFFE				CONNECT	Cleared
000167	S	55	55	55	R		0006	96.40					LIFFE				CONNECT	Cleared
000257	B	14	14				0006	96.80					LIFFE				CONNECT	Not Taken
000367	B	55					0006	96.80					LIFFE				CONNECT	
000557	S	14					0006	96.15					LIFFE				CONNECT	

Future Dynamics

viewpoint is a powerful Pre and Post Trade Risk Management product available across other front end trading platforms.

viewpoint is an order matching and allocation engine that works by extracting trade execution information from market data feeds and matching them against broker execution information. **viewpoint** has been designed specifically to streamline operational efficiency:

- generic front office interface
- client web allocation GUI
- real-time processing
- multi-exchange rules engine
- standard interface to all exchanges
- user definable interface
- shared global order book with **crossfire**
- "split templates" enabling fund management processing
- position keeping
- complete integration with front and back office
- global 24/7 support
- demonstrations available

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The logo for 'viewpoint' features the word 'viewpoint' in a lowercase, sans-serif font. The letter 'o' is replaced by a stylized globe icon with latitude and longitude lines.

Market Depth Quote Vendors

The successful launch of LIFFE CONNECT™ has enabled quote vendors to offer significantly enhanced real-time data displays to their customers.

The dissemination of market data via LIFFE CONNECT™ gives quote vendors the opportunity to disseminate:

- best bid and offer volume
- accurate tick volumes
- full market depth, otherwise known as level 2

On February 28 2001, LIFFE de-commissioned the LIFFE Market Feed (LMF). This has been replaced by a new, high speed, IP-based market data feed known as LMF 2. LMF 2 brings a number of enhancements to the market, including the trebling of data capacity, full scalability, and the ability to disseminate depth of market up to the ten best bids and offers.

For more information about LIFFE market depth, e-mail market.dataservices@liffe.com

<i>Quote Vendors currently offering full market depth displays</i>	<i>Page</i>
Bloomberg	96
Bridge	97
Reuters	98
Track Data	99

Bloomberg

The **BLOOMBERG PROFESSIONAL™** service through a wide range of functionality, supports LIFFE products including financial futures and options, non-financial commodities and Universal Stock Futures.

The **BLOOMBERG PROFESSIONAL™** service's functionality for LIFFE products includes:

- full depth of order book
- fully customisable monitors
- time and sales sheet
- quote and sales recap
- volume at price graphs and volume weighted average price calculators
- single and multiple security intraday and historical graphics
- technical analysis studies

More in-depth analysis includes synthetic forward rate analysis and strip analysis for short term interest rates, cheapest-to-deliver analysis for bond contracts and fair value analysis for index contracts.

The **BLOOMBERG PROFESSIONAL™** service subscription includes personal training on demand, weekly seminars and online support worldwide, 24 hours a day, 365 days per year.

Contact

Exchange Relations

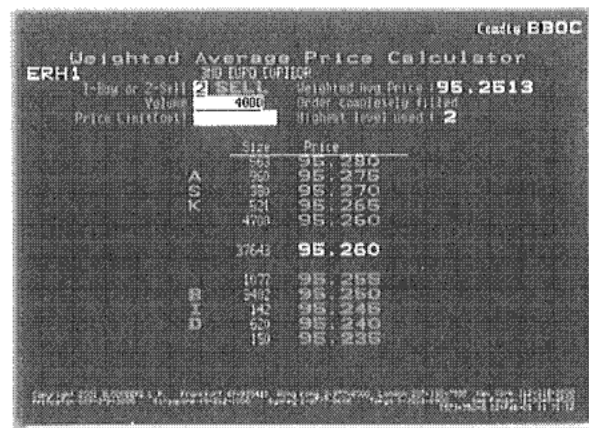
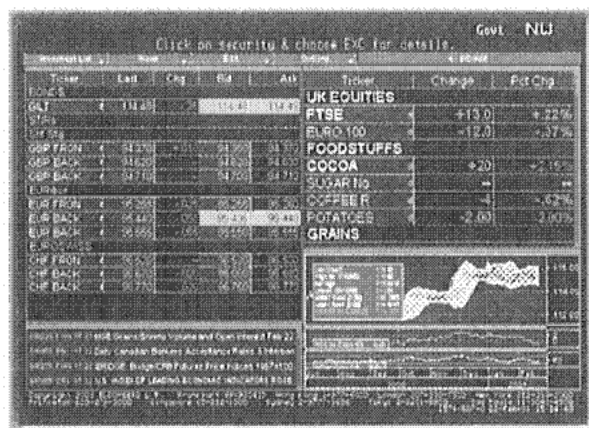
Tel: + 44 (0)20 7330 7350

Sales

Tel: + 44 (0)20 7330 7575

www.bloomberg.com

Bloomberg



Bridge

Bridge offers a range of products that process and display complete market depth (level 2) information from LIFFE.

Applications allow full tracking of complete market transactions; every level of order book data can be viewed.

BridgeStation and **BridgeActive 1**, the premiere desktop solutions, offer two state-of-the-art applications for market depth monitoring. **DynaQ** provides a fully customisable view of market depth allowing users to select from over 700 template items to view the information they want to see. **Zoom DynaQ** provides a close up of market depth and allows for best price calculation for a particular volume.

Full dynamic market depth is also available via the internet or intranet on **BridgeChannel**, the foremost browser based workstation.

A range of analytic displays further enhances analysis of all LIFFE products.

Contact

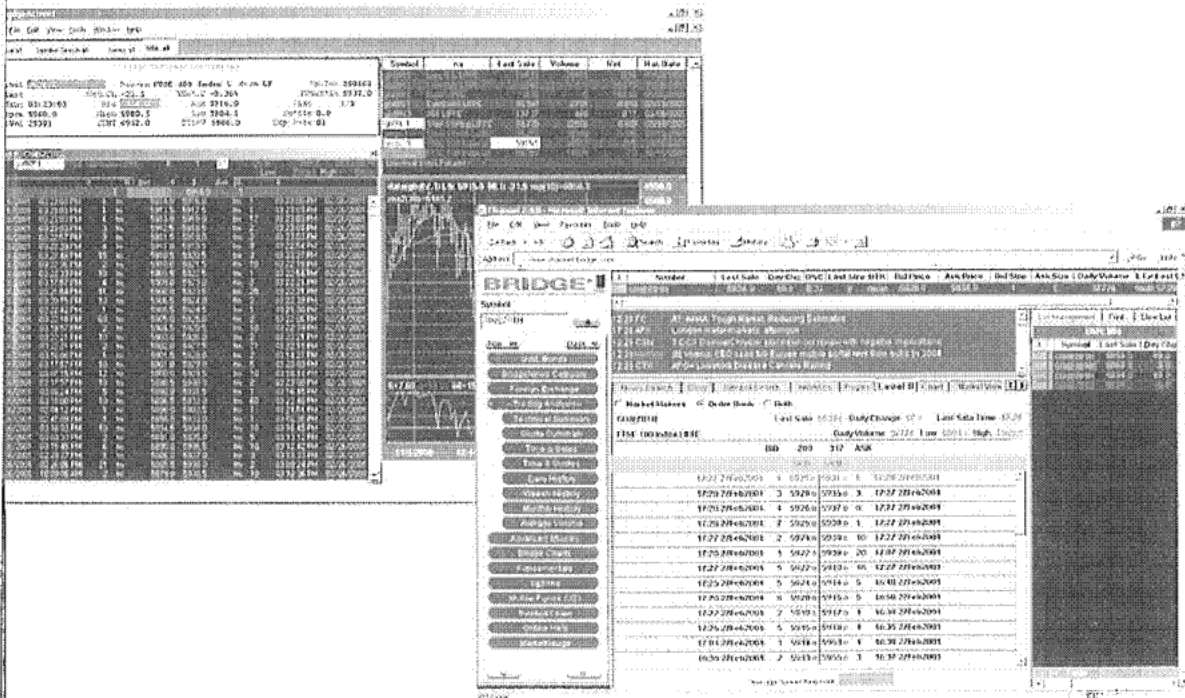
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Tel: +44 (0)20 7832 9000

www.bridge.com

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SYSTEMS FOR INFORMED DECISIONSSM

*telerate*SM
a BRIDGE company



Market Depth
Quote Vendors

Track Data

MarketTrack™ offers an affordable solution for LIFFE professionals requiring the functionality missing from their trading platform or as a stand-alone system, including:

- dynamically updating depth of market
- depth of order book by price, month or strike
- volume weighted average price calculations
- multiple screen configurations
- time and sales
- technical analysis
- news

Track Data provides the quote system preferred by cutting-edge professionals, requiring flexibility and ease of use in rapidly changing markets.

Free trial and demonstration available.

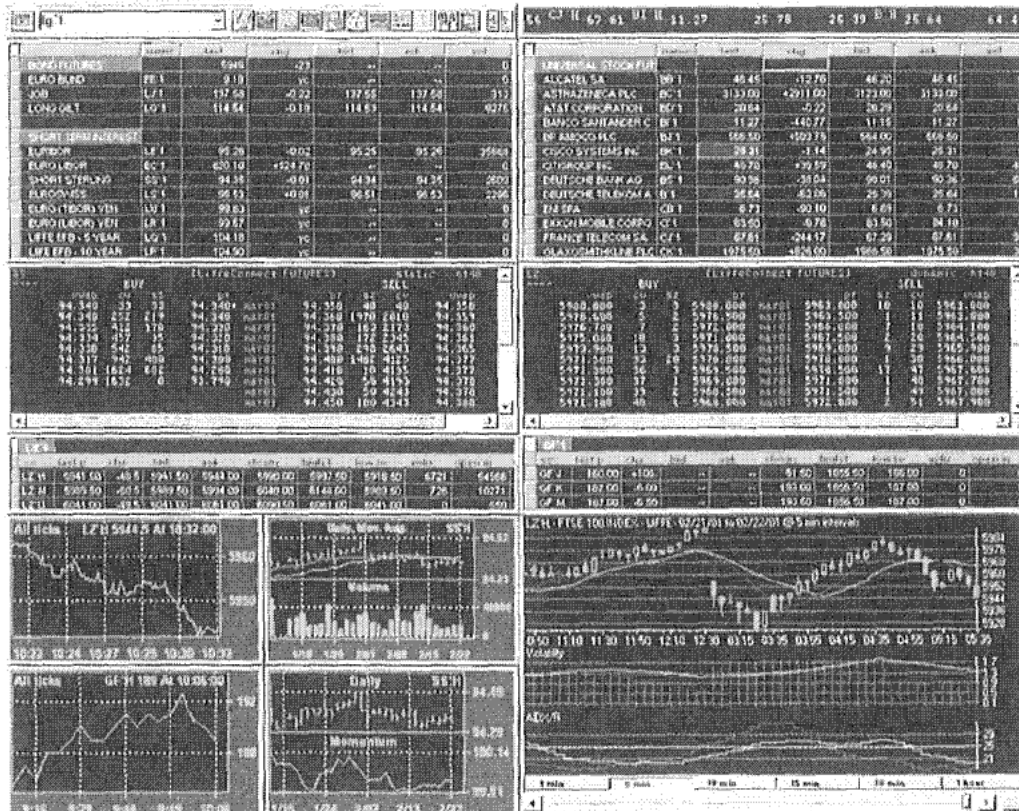
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Market Depth
Quote Vendors

Notes

**For further information on trading access
to LIFFE please contact:**

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(excluding USA)

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E-mail: liffe.connect@liffe.com

Existing Customer Enquiries

(excluding USA)

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E-mail: liffe.connect@liffe.com

USA Customer Enquiries

Tel: +1 212 482 3000

E-mail: us.office@liffe.com

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