

TradeSmart® FI EMS

Fixed Income is now in an era of evolution from OTC to a data driven electronic market structure. To exploit this opportunity buy-side trading desks need an EMS that is smart enough to turn the plethora of raw data into Business Intelligence. An EMS developed over twenty years in FX, Futures and Equities. An EMS that constantly strives to significantly enhance your order execution performance and drive the metrics of your business towards greater efficiency and productivity.

FIBI, a Fixed Income Business Intelligence solution that meets and exceeds your needs.

Get to Know TradeSmart FI EMS Roadmap

Harness fixed income data in the most open, neutral and efficient way. TradeSmart FI EMS is a highly innovative market interface and business intelligence tool.

The Deployed and Roadmap for TradeSmart FI EMS					
Bonds, IRS, CDS, HY, EM, Futures, USTs, €Govvies				March 2019	
Venues MarketAxess Tradeweb Bloomberg Liquidnet Trumid Fenics OpenDoor SWX Corp Bonds UBS Bond Port Tradeweb all-2-all Multi-dealer net spot MKTX Open Trading LiquidityChain GFI Latium TrueQuote CrossTrade	Products Multi-currency Corps High Yield EM corps/govvies € govvies Single Name CDS Indices Futures USTs Spread trades MBS/ABS TBAs Munis	Best Execution Contextualized axes Composite price feed Similar bonds Buy-side RFQ matches against EMS orders TRAX / TRACE Tape Most active dealers Auto-routing for low-touch, high-volume workflows Internal crosses Done on Spread Two-legged orders Symphony Integration	FIBI Pre-trade analysis of RFQs Trades Hit-ratios Failed-to-trade Most-active-dealer Most-active-venue Price and axe data Own activity data	TCA Outlier Report Analysis of Dealers Platforms Protocols Traders Sectors Currencies	Data Content Hub MKTX Composite Plus MKTX Composite MKTX AxxessAll TWEB AXES TWEB Dealer prices TRACE TRAX Neptune Apollo ICE data CEP BondCliQ Euroclear Elefant Prices

TradeSmart FI EMS Key Features

- ✓ Venue liquidity matches and venue all to all workflows
- ✓ Integrated connectivity to multiple external data sources
- ✓ Venue liquidity scores for list trading
- ✓ Multi-leg cash vs. futures workflows
- ✓ Corporate bonds, HY, EM, Sovereigns, futures, single name CDs, Index etc.
- ✓ Use TS DataLake and FIBI to become a buy-side price maker on venue A2A buy-side RFQs
- ✓ Allocations for multi-client orders
- ✓ Spread trading and price spotting
- ✓ Rules based auto-routing to multiple venues for low-touch orders
- ✓ Dealer restriction lists
- ✓ Contextualized view of your trade history, in-house portfolio positions, most active dealers and venues, streamed best bid/best offer dealer pricing, axes, liquidity scores and filtered liquidity in related bonds

FI Business Intelligence (FIBI) starts with TS DataLake

TradeSmart FI EMS users can use FIBI if they opt in to TS DataLake.

TS DataLake collects, structures and stores RFQs, trades, hit ratios, failed to trade, most active dealer, most active venue, price and axe data from TradeSmart.

FIBI provides users with an immediate, real-time, pre-trade analysis based on all the data of all opted in TradeSmart users.

Pre-trade analysis includes a prediction of execution time, price slippage and number of trades according to size.

Based on analysis of RFQS (successful and failed) FIBI also indicates the best venue and dealer for the order.

Finally FIBI provides users with a post-trade analysis of execution market impact, per trade cost alpha, dealer execution price analysis versus dealer quote on ALLQ/TWEB/MKTX.

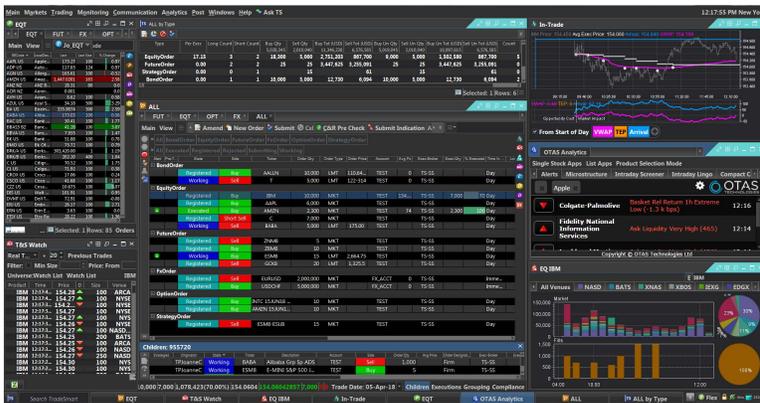
FI Business Intelligence Data Sources

- TRACE
 - TRAX
 - Neptune
 - Bloomberg
 - Trace BondCliQ
 - MKTX Composite Price Plus
 - Tradeweb Dealer Prices
 - Trumid FVMP
 - Fenics USTs.
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- Have confidence in the fact that we are a true unbiased, neutral and independent data aggregator
 - Nine global data centers, hosted solutions, SaaS products, Disaster Recovery and 24-hour, six days a week support provide robust buy-side solutions
 - TS proprietary FIX engine supports message and protocol translation to and from FIX, SWIFT, FpML, XML and proprietary message formats
 - Our API suite is available via REST, JAVA/C# SDKs and Microsoft COM API and offer unlimited flexibility to choose the right technology for your development project

About Us

We were born in the cloud, but our feet are planted firmly on the ground. As the leading expert in SaaS-based technology for financial markets, TS technology improves access and fully automates workflows, resulting in greater efficiencies and lower costs for our clients. From our electronic trading platforms to our investment management solutions to our global financial market network, we are the industry's most comprehensive technology suite available.

Our trading and technology experts are connected and positioned around the world, enabling a "Follow the Sun" 24-hour, six-days-a-week support approach that literally never stops. And we're constantly evolving within a complex, ever-changing marketplace to create sophisticated, customizable and accessible solutions no matter what your trading needs.



TS: Ultimate Trading Performance

NEW YORK | LONDON | FRANKFURT | PARIS | GENEVA | HONG KONG | SINGAPORE | TOKYO

For more information: sales@tradingscreen.com