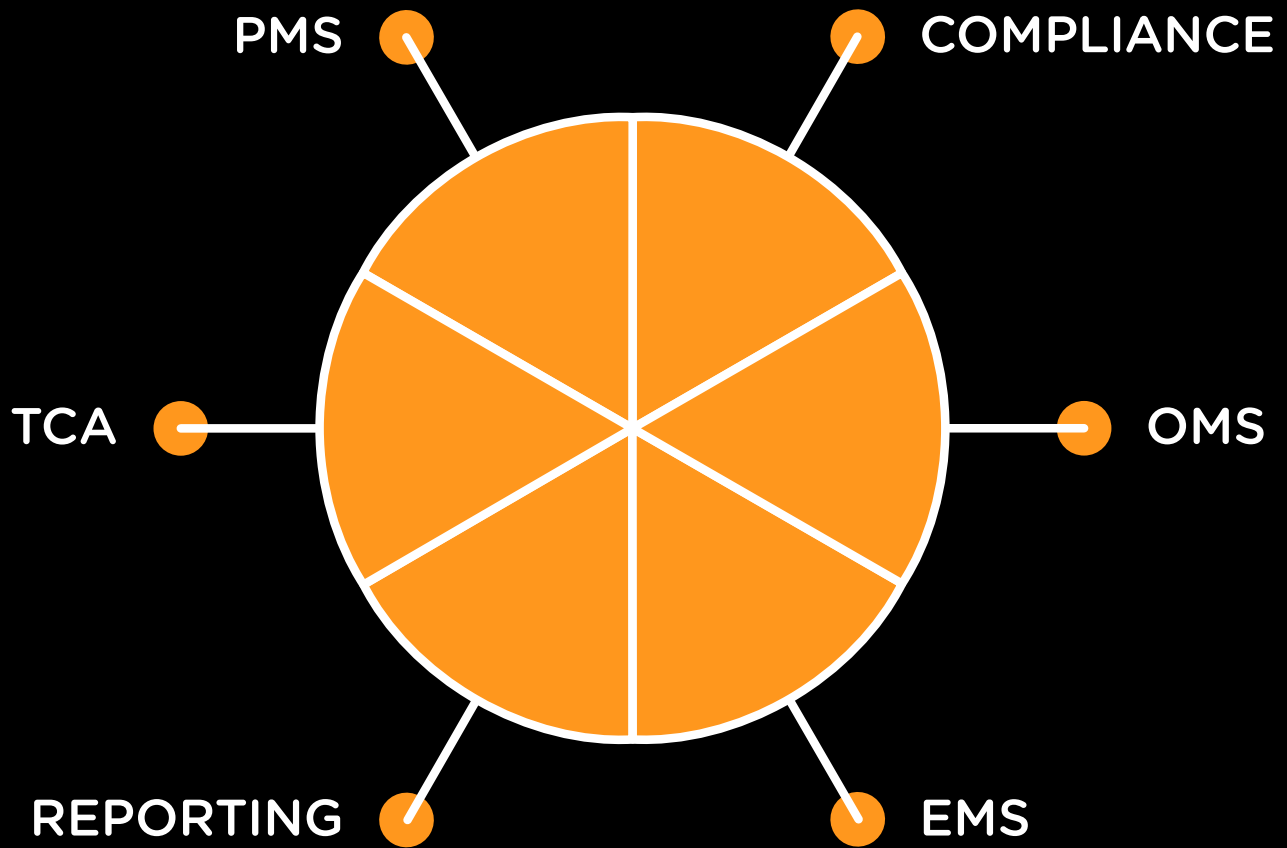




ADVANCED MULTI-ASSET TRADING TECHNOLOGY FOR THE BUY AND SELL-SIDE



2004

Founded

2007

Launched
OEMS

180+

Connected
Exchanges

250+

Staff

8

Offices

4

Continents

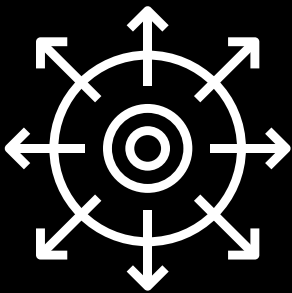
ABOUT TORA

TORA is a leading provider of advanced investment management technologies for global asset managers, hedge funds, proprietary trading firms and sell-side trading desks. We are a cloud-based front-to-back office technology provider delivering a complete solution for trading, portfolio management and risk management.

TORA's award-winning suite of products include order and execution management (OEMS), portfolio management (PMS), analytics and risk control tools, Transaction Cost Analysis (TCA) and proprietary algorithms.

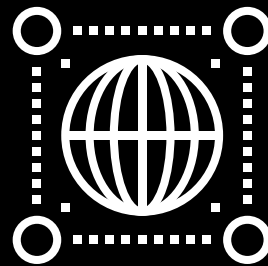
Our team builds innovative technology that seamlessly fits client workflow requirements through a feature-rich, intuitive user interface. The TORA API assures a truly straight-through processing (STP) experience and the TORA FIXNet enables our clients access to global markets.

We pride ourselves on being a trusted partner to our clients, providing custom solutions with rapid product implementation and superior technical support.



A FULLY INTEROPERABLE PLATFORM, TORA WORKS WITH WHAT YOU'VE GOT

TORA's software is an open system. So whether you choose our entire cloud-based platform, or the individual components, TORA integrates with what you've got.



INDUSTRY-LEADING ON-THE-GROUND SUPPORT AND PROFESSIONAL SERVICES

Some software implementations can be clunky and cumbersome. At TORA, we pride ourselves on offering the fastest and easiest implementation process in the industry. Our customers get the very best service throughout the entire evaluation and onboarding process.

A TRUE MULTI-ASSET PLATFORM

TORA is a true multi-asset front to back office trading technology provider. TORA provides access to over 500 of the latest multi-asset broker algos and allows you to trade across a variety of asset classes including global equities, FX, derivatives and fixed income in one unified platform.

EQUITIES

FX

DERIVATIVES

FIXED
INCOME

TORA ORDER & EXECUTION MANAGEMENT SYSTEM

TORA's industry-leading, multi-asset cloud-based OEMS offers state-of-the-art solutions for all your trading needs. Our OEMS gives buy-side and sell-side users access to execution management, order management, post trade, reporting, TCA and compliance functions in a single platform.

EXECUTION MANAGEMENT

- Easy-to-use interface with unmatched flexibility to suit your trading workflows
- Access a broad network of brokers and venues via TORA FIXNet and other major FIX networks
- Access the very latest multi-asset broker algorithms
- Basket orders, position-based orders, parent/child orders and pairs orders
- Fast order input capabilities, one-click order entry and drag and drop order amends
- On-screen audit trail of all trades and actions made
- Powerful alerts engine for market and order monitoring
- Access to best-in-class proprietary TORA pairs trading algo suite
- Access to leading proprietary TORA FX algorithms

COMPLIANCE

- Advanced rule and limit features to improve compliance without impacting workflow or affecting latency
- Permissioned OEMS users can quickly set up new compliance checks
- Automation for restricted trading lists
- Flexible workflows with optional approval protocols
- Large library of portfolio and trading based compliance checks
- New rules delivered dynamically without requiring upgrades
- Sub-millisecond latency and high-throughput portfolio and trading compliance engine
- Websockets API delivery with approval and reject capabilities for any third party system

TRANSACTION COST ANALYSIS

- Quality broker-neutral post and pre-trade TCA
- Pre- and post-trade TCA from the same provider for an optimised feedback loop
- Our AI-powered pre-trade TCA is a quantitative optimizer providing traders with real-time broker execution strategy recommendations
- Our Quantitative Best Execution team have been delivering market-leading post-trade TCA since 2011
- Both available in real time in the traders' blotters or in the TORA visualisation and reporting tool
- View performance versus a range of standardised benchmarks
- Partitioned and ranked by broker, country, sector, strategy or any required split

ORDER MANAGEMENT

- Organise orders, rebalance portfolios and monitor positions and P&L from the same interface as you manage your market executions
- Allocations and commission management engine with smart defaults improve data integrity
- Integrations with prime broker and fund admin platforms
- Real time positions and P&L monitoring
- Transaction history available directly from the GUI

POST TRADE

- A comprehensive range of post-trade functions to create a truly Straight Through Process (STP)
- Two-way integration with leading trade matching providers
- Support for complex rounding and aggregation methodologies per counterparty
- Block formation and allocation
- Cancel / re-book trade framework for seamless revisions and reporting
- Advanced commission, cost and fee schedule management
- TORA Order Audit Trail System (OATS) reporting
- ARM integrations and other regulatory reporting solutions

REPORTING

- State-of-the-art reporting service allows you to see and report on your trading operations at all times
- Integrated with analytics and data visualisation platform
- Perform calculations on any data source and create reports with advanced charts
- Access via web or mobile device

TORA PORTFOLIO MANAGEMENT SYSTEM

TORA's portfolio management system is utilized by leading global asset managers, hedge funds, proprietary trading firms and sell-side trading desks. Our PMS solves a critical challenge; capturing portfolio data from a variety of sources, merging it with internal and external pricing sources, performing calculations and then delivering it to the right people at the right time.



WE TRACK IT ALL

Your portfolio is the result of thousands of hours of research, analysis and hard work, and we track it all. It's part of a hands-off system that manages the software, the hardware, the data feeds, the integrations—everything that pulls you away.



IT'S YOUR DATA

See all of it in one place. Look at it any way you want. Create fully customizable, drag-and-drop portfolio views within seconds. See all of your positions across portfolios on one screen. Zero in on the exact view and level of detail you want.



VIEW HISTORICAL DATA

View position, P&L, or indicators within any time frame, in any currency, within seconds. It's all built in. It's all paid for.

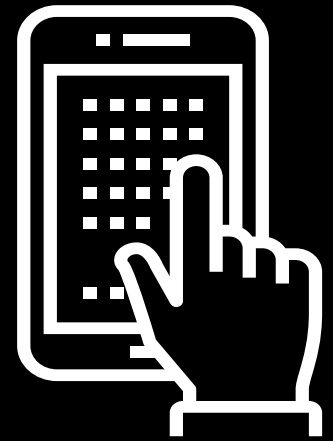
KEY FEATURES

- Full General Ledger and Shadow Accounting reports (Financial Statements, Cash and NAV Reconciliation)
- Real-time and historical P&L over any time interval or at any point in time on-the-fly
- Time Series support with daily snapshots of P&L, NAV, exposure, fees and other portfolio related indicators, accessible via a flexible user interface, API or Excel plugin
- Create new views on portfolios with up to 500,000 positions in seconds
- Capture trades on any asset class and price using TORA valuation models, or via integrations with 3rd party providers
- Comprehensive support of Equity Swap Contracts with complex configurable payment schedules and daily Accrued Interest reflected in P&L
- Unmatched borrow management functionality
- Managed corporate actions and reference data
- Flexible, real-time portfolio and analytics views and powerful API function
- Real-time trade capture builds historical, audited, and reconciled book of records
- Automated trade matching, regulatory reports, and borrow contract management

TORA MOBILE

TORA's Mobile app provides instant access to our award winning institutional trading platform for global asset managers, hedge funds, proprietary trading firms and sell-side trading desks looking to trade and monitor their portfolios on the go. Our innovative application gives clients instant access to the platform's comprehensive functionality anywhere, anytime.

At the touch of a button, traders can place orders, ensure best execution, view real time data and detailed analytical reports.



PAIRS TRADER

With TORA Pairs Trader, TORA OEMS clients can simultaneously trade cross asset class, cross market and cross currency pairs on different exchanges instantly, with each leg being optionally traded with different brokers. TORA Pairs is broker neutral and enables users to control the execution of their pairs through a series of highly flexible parameters including, slice size, wave management (concurrency), execution style, leg strategy and automated rules to manage unhedged risk (slippage).



**BROKER
NEUTRAL**

**CROSS
ASSET**

**MULTI
MARKET**

**RISK
MANAGEMENT**

WHY TORA?

UPGRADE YOUR TECHNOLOGY

Our market-leading cloud-based front-to-back office technology helps both the buy-side and sell-side;

- Improve execution quality
- Enhance operational workflow
- No bolt-on, legacy software
- Assure superior reliability

FLEXIBLE & CUSTOMIZABLE

TORA's system is highly customizable, configurable and seamlessly connects with your existing technology, providing clients with functionality that best suits their individual requirements with unrivaled turnaround times and a highly intuitive UI.

TRUSTED PARTNER

TORA is an award-winning industry leader within the multi-asset OEMS space. Our suite of sophisticated trading products are utilized by hundreds of the industry's leading hedge funds and asset managers, proprietary trading firms and sell-side trading desks globally.

SINGULAR DEVELOPMENT PATH

A proud independent firm, our clients benefit from a single vision across all product design, facilitating seamless interoperability. All built in-house by our industry-leading team of experts, we drive innovation across our entire software platform.

OUTSOURCED TRADING

OPTIMIZE TRADING CAPABILITIES AND MINIMIZE FIXED COSTS

Our outsourced trading offering has the flexibility to integrate with your existing systems, or we can provide an end-to-end operational solution to cover the entire life-cycle of a trade.

Our Outsourced Trading service can provide:

COST SAVINGS with access to TORA's full suite of software and services at no extra charge

A GLOBAL TEAM of traders with buy-side experience across multiple asset-classes

RISK MANAGEMENT with customizable portfolio alerts, compliance and real-time visibility via our industry-leading OEMS & mobile app

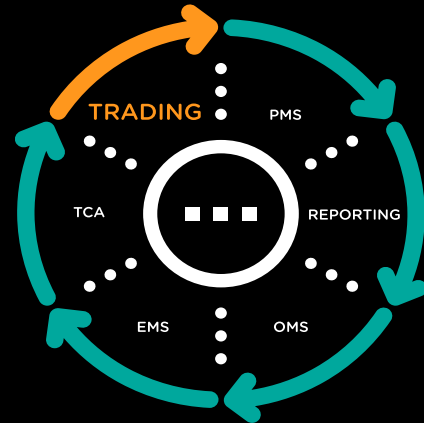
FLEXIBILITY to meet your needs as the sole trading desk, complement an in-house desk or provide back-up services

ACCESS to a large network of brokers, real-time market color and comprehensive pre and post-trade analysis

SUPPORT beyond execution including post-trade operations and reporting facilitated by proprietary systems

CONNECTIVITY to 500+ brokers globally across multiple asset classes

FULLY REDUNDANT INFRASTRUCTURE in New York, London, Tokyo and Hong Kong



Advanced pre- and post-trade allocation, settlement, commission management and investment book of records (IBOR) functionality



Liaise with executing brokers, prime brokers, custodians & fund administrators. Trade match, reconciliation and reporting via central data repository



Comprehensive reporting service integrated with analytics and data visualization platform. Manage regulatory filings and maintain a full audit trail of transactions



Extensive compliance functionality allows flexible workflows with optional approval protocol

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For more information or to arrange a demonstration of our system, contact a TORA sales representative at sales@tora.com