

# OEMS

What you need from an OMS and EMS, all in one place

LSEG TORA offers industry leading, multi-asset cloud-based OEMS state-of-the-art solutions for 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.

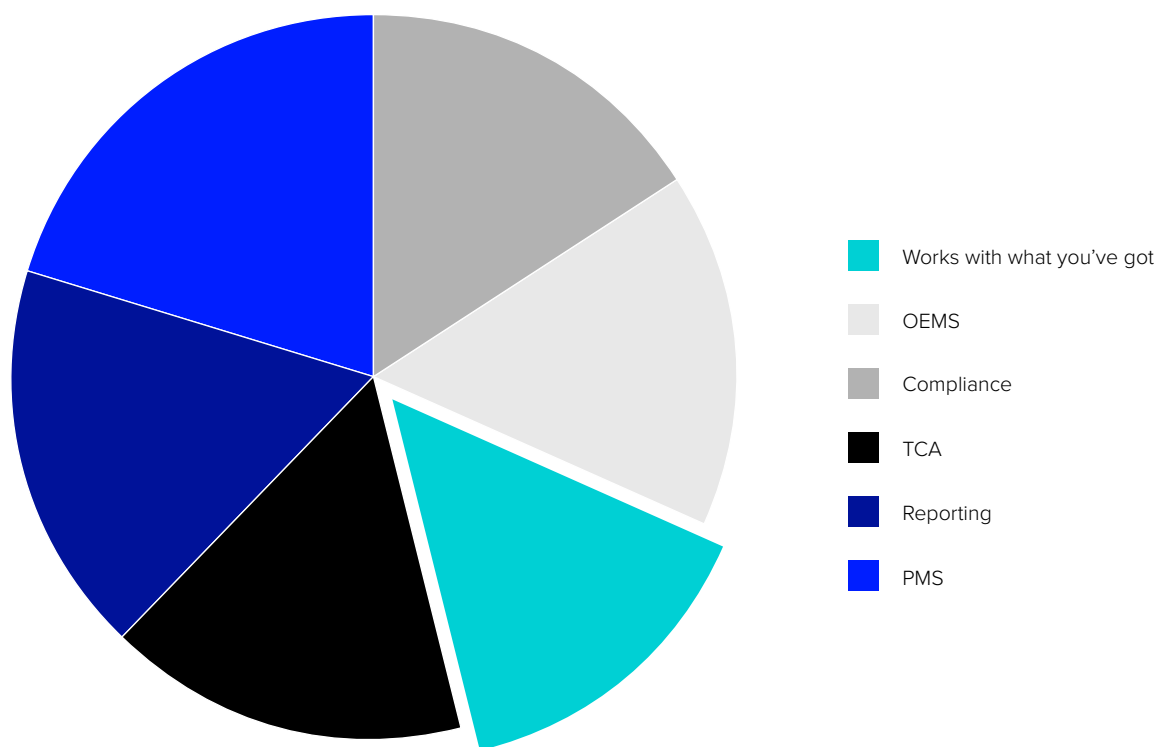


## Company facts

- Founded in 2004
- Launched the industry's first and most advanced cloud-based OEMS in 2007
- Connected to over 180 exchanges
- Over 250 employees across 4 continents
- Offices in Hong Kong, Tokyo, Singapore, San Francisco, New York, London, Jersey, Romania & Sydney

## A fully interoperable platform

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.



## Upgrade your buy-side & sell-side 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 reliability

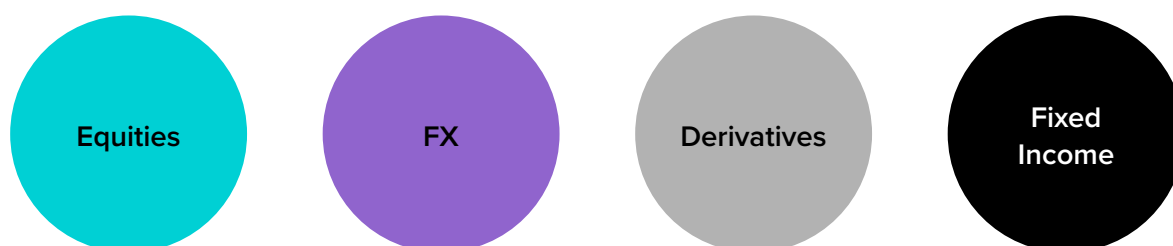
## Industry-leading on-the-ground support and professional services

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

## OEMS key features

### Execution management

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.



- 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 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
- Full support for systematic trading through FIX and Websockets APIs for order, position and market data manipulation

### TCA & AI for best execution

Access quality broker neutral post-trade and pre-trade TCA built into our OEMS. We build close consultative relationships with our clients and provide TCA solutions that protect and generate alpha.

- Pre- and post-trade TCA from the same provider for an optimised feedback loop
- Our AI-powered pre-trade TCA is a quantitative optimiser 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
- Additional access to analytics from third-party pre-trade and post-trade TCA providers

### Stock borrow

Reduce your stock borrow process to a single step with our eLocate function within our OEMS.

- eLocate streamlines, automates and simplifies the short sell process to a single click, reducing any direct trading impact and operational costs
- Integrated with major broker stock lending desks

## Order management

Organise all of your orders, rebalance portfolios, 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

## Rebalancing

Rebalancing functions are available natively in our OEMS to help asset managers improve workflow efficiencies and reduce operational risk.

- Portfolio modeling and what-if/ scenario analysis
- Rebalance portfolio weights to maintain or adjust characteristics with real-time order generation and pre-trade compliance integration
- Single view for rebalancing multiple portfolios such as separately managed accounts and primary fund portfolios
- Share and repurpose portfolio models between teams
- Manage subscriptions and redemptions

## Pairs trading

Our broker neutral pairs algo suite is designed for arb-focused desks and funds. Trade simultaneously cross-asset class, cross-market and cross-currency pairs with the option to execute different legs with different brokers.

- Various execution styles to control aggressiveness of each leg
- Market-driven and rule-based actions to manage unhedged risk
- A variety of strategies including classic spread and ratio, rights arbitrage, merger arbitrage and daily percent return
- Automate floating and hedging legs based upon historical volumes
- Manage volume participation at multiple levels
- Parameters to support unbalanced quantities through auto-adjustment
- Retain control of all legs simultaneously
- Link in-house signals via API

## Compliance

Utilise 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

## Post trade

Available from our OEMS, a comprehensive range of post-trade functions and integrations 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
- ARM integrations and other regulatory reporting solutions

## Reporting

TORA's state of the art reporting service provides asset managers with the ability to see and report on their 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

## Why TORA?

### We build reputable software

Our software is developed and created together in-house by one team

### Flexible and customisable

TORA's system is highly customisable and configurable, providing clients with functionality that best suits their individual requirements with quick turnaround times

### Scales with your business

Our technology seamlessly grows with your existing technology

### Established and trusted OEMS

TORA's OEMS has responded to changing markets and has continued to evolve over its 16 year history

### Zero it overheads

TORA manages the entire IT spectrum. Software, hardware, integrations, data feeds and disaster recovery, so you focus on what really matters

### Proven industry leader

TORA is a proven, award-winning industry leader within the multi-asset OEMS space

### Responsive

Responsive to evolving markets and changing client needs

## About LSEG TORA

LSEG 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 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 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.

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