

# Mindwell Services

## SunGard/Front Arena Specialists

Mindwell provides advanced adaptation, integration and implementation services for Front Arena users worldwide. Our team of PRIME, OMNI and SoftBroker specialists helps you design, develop and maintain a Front Arena installation tailored to your Trading, Risk Management and Back Office processes.

As a certified SunGard Gold Partner we are uniquely positioned to help you harness the versatility of Front Arena using the entire range of extension tools and integration technologies provided by the system.

### Front Arena Specialists

The experience from extending and adapting Front Arena within Mindwell's SunGard Services team dates back all the way to 1997 when the Arena Extension Language (AEL) was first introduced. Many of our leading Front Arena specialists have more than 10 years' experience from developing comprehensive Front Arena solutions for a wide range of requirements and needs, including:

- System configuration / best practice advisory
- AEF Extension development
- Integration
- Application Management / Sourcing
- Upgrade services

### System Configuration and Best Practice Advisory

The flexibility and configuration possibilities of Front Arena are virtually unlimited. A successful system implementation requires experience, in-depth technology expertise and a structured development approach. Our Front Arena specialists represent the collective experience from more than 30 successful implementations and we make this experience available to our clients in the form of best practice advisory and configuration support for new and existing Front Arena users. Common best-practice issues include:

- Trading Manager – custom columns and sheets, P&L rules, sensitivities, hedge suggestions, limit utilization, etc
- Settlement Manager – set up settlement rule definitions and integrate with settlement processing networks
- Trade-life-cycle (BDP) – including:
  - Mark-to-market
  - Archiving / Aggregation
  - End-of-period routines, etc
- Work flow – how to set up and maintain rules for STP
- Contingency planning – securing availability

### Extension Development – ADFL / Python ACM/AEL

In many cases, more comprehensive extensions need to be developed in addition to basic user configuration. Our ADFL / Python specialists help you take advantage of the Arena Extension Techniques and develop tailored solutions for your specific requirements as a hedge fund, back office department or structured products trading desk. Our extension developers are certified and follow a structured QA approach for ADFL/Python/ASQL development to optimize performance, minimize memory consumption and to guarantee interoperability with core Front Arena functionality. These are all key aspects of ensuring smooth system upgrades and an implementation that is in line with the

fundamental design principles of FRONT ARENA.

### Integration

Our clients run FRONT ARENA as an integral part of their trading system environment to achieve an automated front-to-back transaction flow using common interfacing protocols and technologies in and outside of FRONT ARENA. In a complex integration scenario including mission critical systems there is no substitute for experience.

Mindwell has a unique track record of successful FRONT ARENA integration projects covering a wide range of integration requirements, including:

- *Back Office*
- *3<sup>rd</sup>-Party pricing algorithms (NumeriX)*
- *Static Data upload and maintenance*
- *Central Securities Depositories integration*
- *General Ledger*
- *FIX integration*
- *Market place integration*

### Upgrade Services - FRONT ARENA 4.2

The FRONT ARENA 4.2 track release is a major functional and technological step in the evolution of the FRONT ARENA platform. Mindwell collaborates with SunGard to provide guidance and leadership in the upgrade process as well as hands on services such as:

- *Functional migration (migration to new IRA, new Pricing application etc.)*
- *PnL migration to Trading Manager*
- *Upgrade of ARENA function-dependent applications*
- *Reconciliation of output from the new calculation engine*
- *Performance analysis and benchmarking*
- *Testing and verification*
- *Upgrade and harmonization of proprietary ADFL code*

### FRONT ARENA co-sourcing

Mindwell offers full-time, on-site support for your FRONT ARENA installation. This means that we can handle critical production issues with minimal disruption and delay. If you are located in another region or another time-zone we provide maintenance support with a committed maximum response time depending on the time difference between our locations. In any case, it is our ambition to ensure timely assistance when facing planned change requests such as system upgrades or market driven change requests for changes in customized software modules and extensions.

### Packaged Solutions - MindBIF™

We do not believe in the reinvention of the wheel. By systematic collecting of experience and generalization of code modules for common technical tasks, such as API connectivity, exception handling, logging and message processing etc, Mindwell can offer highly competitive integration services. Mindwell MindBIF (Mindwell's Business Integration Framework) is a versatile integration framework and component library embedding off-the-shelf solutions to common technical integration issues, allowing us to focus on the business logic and value adding development work from day on.

### About Mindwell

Mindwell is a consulting company based in Stockholm with branch offices in Amsterdam and Zurich. We focus exclusively on bringing Business Consulting, Integration and System Implementation services to the trading and asset management industry.

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### Contact

For more information please visit our web site [www.mindwell.se](http://www.mindwell.se) or contact us directly at:

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