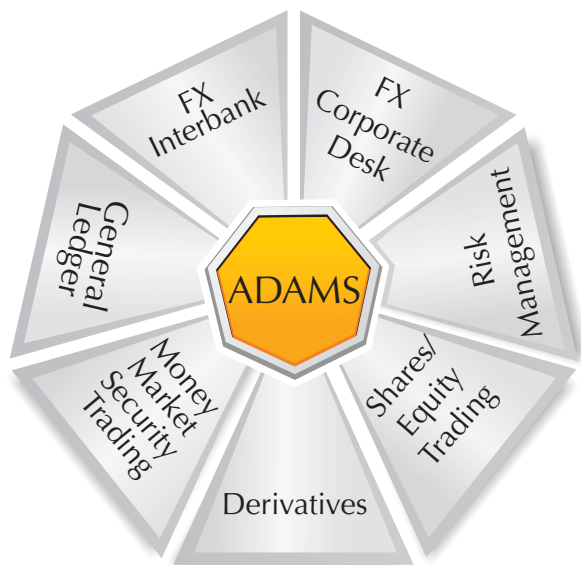




ADAMS

AutoSoft's ADAMS (Automatic Dealing, Money Market and Securities Trading System) solution is the best way to maximize productivity of your treasury's trading desk as well as back office operations.

The system provides users with wide-ranging features including real time exposure monitoring, support for inter-branch and foreign exchange transactions, derivatives, securities, equity and shares trading as well as all money market operations. The system is fully integrated with our SWIFT messaging system, AutoSWIFT for automatic generation of relevant SWIFT messages. The system replaces paper based, time consuming and error-prone manual methods, and is modular so you can customize the solution according to your specific needs, desired level of automation and the company's budget.



ADAMS

1 . Product Key Benefits

- Customizable and parameterized system setup
- On line, real time information processing and transaction level auditing
- Exception and error reporting
- Multiple updates and automatic downloads of currency and interest rates generated through REUTERS or any other system
- Electronic movement of deal ticket from dealing room to settlement room
- Minimum data input after deal confirmation
- Automatic voucher and documentation generation (including Telex and SWIFT messages) after transactions
- Recording of counter-party confirmations
- Electronic document audit and control system (EDACSTM)
- Point to point secured database connection without using TCP/IP
- Option for real time or offline transaction posting interface available with third party system
- Perpetual storage through data archival
- Interface to SBP's computerized reporting system (CRS) both in FX and MM
- Support for legacy systems via file generation, reducing effort and processing costs

2 . FX Interbank

- Posting of all types of deals including, ready, spot, tom, swap and forward type deals from front office
- Posting of placement / acceptance deals from front office
- Automatic printing of deal tickets
- Automatic exposure update and monitoring
- Online gap and limit monitoring
- Automatic deal number generation
- Real time blotter update and monitoring
- Automatic voucher posting for currency exposure
- Live position update incase of movement of exposure from corporate desk to FX desk
- Real time deal register maintenance
- Quality control aspects such as marking, dispatch and receipt of confirmation letters and payments and any discrepancies
- Attachment of scanned copies of REUTERS slip and contracts/confirmations to deal ticket

3 . Nostro Reconciliation

- Uploading of SWIFT MTS 940, 950, 103
- Automatic matching of our book and their book entries
- Force matching of entries
- Provides information about outstanding entries
- Information about matched entries
- Provides information about our closing/opening balances of our and their book.

4 . Corporate Desk

- Live position keeping and update through telephonic deals
- Live position keeping and updating through posting of FETs
- Amendments of any type in either confirmed / unconfirmed telephonic sheets
- Cancellation of telephone sheets
- Adjustment of exposure due to amendments and cancellations
- Corporate desk's blotter
- Separate unconfirmed and confirmed exposures
- Combined exposure for corporate desk
- Monitoring of exposure in respective currencies
- Monitoring of total exposure in local and foreign currency
- Movement of exposure between corporate desk and FX desk
- Bulk position update option
- Telephone sheet reports
- Live position monitoring of unconfirmed, confirmed and combined exposure
- Profit and loss on daily transactions
- Electronic movement of telephonic sheets to back office for entry
- Unified document ID control for posting to back office
- Loan against FE-25, exports, their reversals and close-outs

5. Back Office

- Posting of individual deals based on document number
- Posting of deals, based upon the telephone sheet deals, with no redundant input
- Amendment of deals
- Cancellation of deals
- Authorization of deals
- Full and partial take-ups
- Deal closeout
- Automatic settlement of deals
- Amendment of vouchers
- Inter branch credit advice module (IBCA)

6. Money Market and Security Trading

- Money market operations in both foreign and base currencies
- Acquisition and sale of securities through deals, no need to create initial records
- Clean, call, term placements & acceptances, secured call and term
- Automatic voucher and document generation after amendments
- Complete tracking of all amendments in the deals
- Mark-to-market (MTM) basis
- Counter-party confirmations and their recording
- Online, real time deal monitoring
- Online securities monitoring
- Limits update and monitoring
- Blotter update and display
- Exception and error reporting
- Automatic settlement of deals
- Automatic accruals on daily basis
- Interface for SBP money market reporting system (MMCRS)
- Security classification available
- Extension of MM deal's maturity dates due to unexpected holidays
- Complete toolset for primary dealers (auctions, bids placement, approvals, statutory reporting, etc.)
- IPS portfolio maintenance
- Blocking of counterparties limits
- Liquidity requirements monitoring
- View and maintain CRR/SLR for complete week at one place
- Short selling features

7. Shares and Equity Trading Module

- Outright buy / sale transactions
- CFS transactions , option available for dealing in different stock exchanges i.e. KSE, LSE
- Ready future, future / future trading
- Repo / reverse repo transactions
- Cancellation of orders
- Limit monitoring and update
- Order break up
- Order confirmation
- Parametric vets for order confirmation
- KSE rates download
- Announcement setup
- Automatic settlement of orders
- Definition of settlement schedule
- Encumbered / un encumbered shares
- Company equity setup
- Definition of different types of limits i.e. script limits, bank limits, SBP limits, dealer limits

8. Risk Management

- Creation of 'n' type of limits for bank's own risk, counter parties, brokers, dealer's day limits and per ticket limits
- Ability to monitor risk in a specified currency or on a specified action
- Securities stress reporting
- Foreign exchange value at risk (VaR) calculation mechanism
- Money market value at risk (VaR) calculation mechanism
- Exception reporting on breach of limits
- Authorization of limits
- Rectification of limit anomalies
- Securities duration, convexity and PVBP calculations

9. Derivatives

- Cross currency interest rate swaps (CCYIRS)
- Single currency interest rate swaps (IRS)
- Mark-to-market for interest rate swap (IRS) transactions
- Rollover / reset of the transactions
- Limits monitoring and updating

10. General Ledger

- General ledger accounts
- Account daily balances
- Form wise daily account position
- Daily account ledger
- Daily journal
- Daily balance sheet
- Daily revaluation
- Profit and loss
- Daily transaction vouchers

11. Custom Reporting Module

- Creation of 'n' number of reports based on a single report
- Definition of 'n' number of user defined custom sorts and filters
- Creation of new reports based on custom sort and filter, increasing over all functionality as well as enhancing the query mechanism
- Extended MIS with existing requirement
- **Security** – The system is highly security driven incorporating the following security controls:
 - *Operational controls* refer to the security services required to maintain integrity and availability of data across the application including Start of Day and End of Day procedures, data backup and restore procedures and account balance integrity checks
 - *Application level security* refers to those security services pertaining to users of the application including password security (password length, expiry, history encryption, etc.), user level security (user roles, authorization and transaction limits, menu, interface and tab level rights, etc.
 - *Database level security* refers to the system, processes, and procedures that protect the database from unintended activity including access control, auditing and data encryption
- **Auditing** – The system facilitates enabling/blocking of users based upon their IP addresses. All activities can be tracked and monitored through the session ID and complete audit trails and logs are available which enable the bank to carry out following tasks:
 - *Audit log monitoring* – Generation of automatic logs for errors and notification, logs for event occurrence and financial/non-financial transactions, setting logs or notification priorities with log archival support
 - *Centralized auditing* allows for maintenance and viewing of all logs on the central server with the ability to run queries on them for accurate reporting