SQS SERVICES FOR TREASURY ORGANISATIONS

sqs.com

Implement Treasury Systems at ease – Achieve high quality with less effort!

The **transition in today's financial markets,** technological development, regulatory compliance requirements and internal/external changes present **complex challenges** to Treasury operations.

Today's businesses are exposed to all kinds of constantly changing conditions and factors of influence, be they technical, organisational, structural or regulatory. All these factors impact the treasury function, compelling organizations to respond without delay wherein the necessary adjustments could be challenging.

With a view of optimisation, businesses have an opportunity to rethink and optimise existing treasury processes and structures. Continuous realignment requires an integrated approach that takes into account functional requirements, their technological implementation, the design of suitable processes and compliance with a bundle of different rules and regulations. A flexible organisation and the ability to drive change from the center are crucial success factors.

QUALITY ASSURANCE FOR TREASURY TECHNOLOGY

Quality Assurance becomes an intrinsic component for successful and enhanced Treasury operation.

Treasury operation is a function of effective cash management, which involves capital funding, liquidity management, risk management covering interest rate and Forex fluctuations, assets and liabilities management, transfer pricing etc. Business intelligence and regulatory reporting are its integral parts. The treasury department of a bank also focuses on meeting the Regulatory guidelines for liquidity and reserve requirements.

A **No-Compromise Quality Coverage** is thus required across Treasury transactions initiated through the front office, controlled & monitored by the middle office and settled by back office. Technology plays an important role in integrating the business units, customers and service providers with the treasury department.

SQS experience in Treasury business and Treasury technology challenges

APPLICATIONS

- Wallstreet Suite (WSS)
- SunGard Ambit Quantum
- Misys Summit
- CALYPSO
- Misys Kondor+
- MUREX
- BLOOMBERG TOMS
- ORACLE FLEXCUBE

ASSET CLASSES

- Forex
- Money Market
- Fixed Income Securities
- Equities
- Derivatives
- Structured Products
- Securisation
- Bullion/Commodities

BUSINESS PROCESSES

- Investment Management
- Lending & Borrowing
- Trading & Hedging
- Capital Management
- Cash & Liquidity Management
- Risk Management

Typical customer situations in handling Treasury management systems

TRANSFORMATION

Consolidation/migration of legacy systems to advanced systems, cloud platforms

Business growth and increasing complexities in market infrastructure, trading instruments and regulatory compliance requirements demand advanced systems to manage treasury operations. As a result, treasury organisations embark on an IT system transformation program which usually involves:

- Review of status quo in due consideration of treasury strategy, market and regulatory demands
- Requirements documentation, business process maps preparation for the existing processes (as is) and target models (to be)
- Gap analysis & scoping workshops for the new system
- Implementation, configuration and documentation
- Data migration reconciliation, functional testing, performance testing and go-live support
- Roll-out support for further countries / legal entities
- Training business users on the new system in a step by step manner

UPGRADE

Periodic system upgrades by product vendor to include advanced features

Upgrades are frequently triggered by the termination of support for older system versions or for regulatory compliance, involving complex process.

Upgrading the existing application is usually time-consuming and the greater the gap between release changes, the more complex this task becomes. The following are the vital points to be addressed in any upgrade project:

- Upgrade service providers are highly technical focused and they test only what has changed
- Custom development code migration and new functionalities could induce regression impact
- Tool based reconciliation of parameter setup/reports lacks user perspective
- Deterioration of system performance after upgrade

MAINTENANCE

Ongoing enhancements, additional interfaces, bug fixes

Software maintenance is a part of Software Development Life Cycle. Its main purpose is to modify and update software application after the initial implementation. The changes implemented are usually major/minor enhancements to address ongoing functional changes and regulatory compliance requirements. Along with those changes some of the bug fixes may also get deployed to rectify some of the functional defects or performance issues.

- Enhancements and bug fixes may have regression impact on other functions
- Dependency on business users for regression testing would limit the number of releases
- Business critical, compliance related changes need timely testing and roll out
- Regression testing is a repeated mundane process which could consume valuable productive hours of business users, if they are involved in testing.

How SQS is helping their customers

SQS BFSI's domain focused approach & philosophy enables them to be completely product/vendor agnostic.

SQS is equipped with ready to use tools & methods as listed below to accelerate the solution delivery:

- **Static Testing –**
  Verifying Functional specifications vs. Business requirements to address gaps early in the SDLC
- **Risk Based Testing model –**
  Prioritisation of functionalities for testing based on likelihood and impact of a failure
- **Testware Repository, Checklists –**
  Ready to use test cases organised by Asset classes / Instruments resulting in shorter Test Planning cycles
- **Transaction Based Test coverage –**
  Maximum validation points covered using minimum number of transactions
- **Treasury Utilities & Calculators –**
  Faster verification of complex calculations, optimal coverage for wide range of products & transaction types
- **Test Automation Templates –**
  Application specific module wise function wise generic screen navigations ready to plug-in with application specific objects

Why SQS?

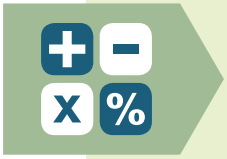
As your trusted advisor, independent of system integrators and technology providers, SQS is entirely focused on helping you manage business and technology risks to achieve fit-for-purpose business outcomes.

- Domain experts specialising in Treasury Management services across different regions
- Ability to engage early in the solution development life cycle and add value at every stage
- Experience in aligning testing to different development models, including Agile
- Hands on experience in leading data management tools in the market
- In-house tools and utilities for faster solution delivery
- Strong track record in leading Treasury Management systems
- Global delivery capability

SQS solution accelerators

REPOSITORIES

- Ready to use test artifacts: 7,000+ Functional scenarios
- Business Process maps: 50+ Functional flows



CALCULATORS

- Cash Flows
- Risk analytics

RISK PRIORITIZATION (RPM)

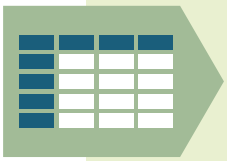
Probability of Failure and Consequences of Failure based model for risk prioritisation

REGULATORY COMPLIANCE CHECKLIST

- DFA – Derivatives reporting
- EMIR, FATCA

STARS PLUS, Talend & DFiT

- Bulk Data Reconciliation tools
- Regulatory compliance feed validation tools



OATS

- Orthogonal Array based Test Selector

ARTEMIS – AUTO-Q

- GUI/API based testing
- Business user friendly
- Hybrid frame work

SQS solutions & value proposition

Treasury management systems are usually tested by business users as the major system changes are not very frequently implemented. However there are situations when the Treasury management systems undergo a transformation or upgrade during which the changes being introduced would require a detailed strategy and planning for successful implementation without major impact to business. Hence there is a need for a third party to help the Treasury team during major transformation or upgrade programmes to own and deliver the testing activities in a structured manner.

SQS services will help free up business user time and allow them to focus on their core business activities. It is in this context, we would like to present the services portfolio tailored for Treasury organisations and the corresponding value proposition.

SQS Solutions		SQS Value Delivery Potential		
Solution category	**Services**	**Trans-formation**	**Upgrade**	**Maintenance**
Requirements Management	Business requirements documentation	●	◐	◔
	Coverage gap analysis – BRD vs. FSD	●	◐	◔
	Business process maps	●	◐	◔
	Functional gap/ impact analysis	●	●	●
Quality Assurance	System integration testing	●	●	◐
	Data migration testing	●	●	◔
	User acceptance testing	●	●	●
	Performance testing	●	●	◔
	Test automation	●	●	●
User support	Functional help desk	●	●	◔
	User training	●	●	◔

● High ◐ Medium ◔ Low

OUR KEY CREDENTIALS

SQS experience in Treasury management system implementation projects:

Leading commercial bank in Dubai

- System Integration Testing for Calypso Application of the Group encompassing other interfaces
- Calypso, Interfaces with Finacle, Bloomberg, TIBCO, Oracle GL, Kondor Global Risk

European largest Investment Management Bank

- A solution for Regression Testing covering end-to-end functionalities of investment management
- Temenos T24 – R8 & R11 covering Equities, Forex, Deposits, Loans, Mutual Funds

World's largest Corporate Treasury

- WSS version upgrade testing – 75% of the testing was automated using a combination of three tools
- End to end testing of WSS, MiSys SUMMIT FT, ATOM and Cognos TM1 for Risk MIS in the Treasury IT landscape

Key benefits of engaging SQS

- Shift-left & fail fast approach to save over 25% overall project cost
- Achieve 100% test coverage against documented requirements by way of structured test approach followed by SQS
- SQS team as surrogate business users to help include implicit requirements, suggest work around, help in go-live decision making and train business users
- Leverage on SQS accelerators/utilities to reduce testing window and achieve faster go live
- Automated test packs to bring down the on-going regression testing cycles from days to hours
- SQS team shall perform the heavy lifting in all testing related activities and free up business user time

Contact

If you are interested in SQS' testing and quality management service offerings, do not hesitate to send an e-mail to info@sqs.com or visit sqs.com