



## INNOVATION NEXT

Delivering mission critical enterprise-class IT solutions globally



# Services

Our collaborative service model helps clients bring business agility to their processes. We deliver bespoke solutions and also take on complete responsibility to maintain and manage our clients' software assets throughout their lifecycle.

## What

- Technology architecture consultancy
- Business analysis and system design
- Product application development and delivery
- System implementation & integration
- Testing
- Ongoing system support & maintenance

### Strategic Consulting and Collaborative Development

Our engineering processes, based on Agile methodologies, help clients set up collaborative development models, leveraging both Anshinsoft and client teams, lowering the cost of engineering and reducing the time to market significantly.

### Finalization of Implementation Roadmaps

We are committed to bring agility to our clients' business processes. As our continuous endeavor in process improvement, we back our architectural blueprints up with implementation roadmaps. Our technology experts assist the client team in finalizing the technology stack and ensure that the business objects get aligned with the technology.

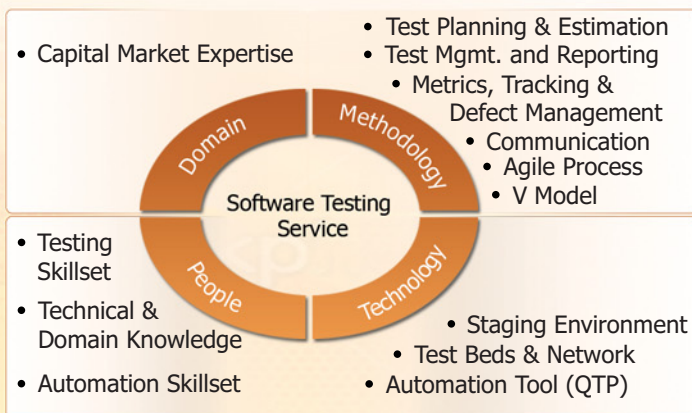
### Ongoing Maintenance Services

At Anshinsoft, we believe in total solution delivery and maintenance. We are willing to take up the complete maintenance of all software we deliver. We value long term client associations and strive to ensure that client investments work towards realizing their long term business goals.

### Development and Delivery Model

- Development done locally on Anshinsoft managed infrastructure
- Uniform delivery channel through secure portals and distributed version control system
- Centralized issue tracking system (JIRA) and wiki based knowledge management system (Confluence)

### Testing Service Model



## How

- Project portals
- Project knowledge repositories
- Project issue trackers and dashboards
- Unified sets of project delivery and management practices
- QA
- Agile
- Offshore /Onsite

### Preparation of Architectural Blueprints

We help our clients develop architectural blueprints for their solutions. Through our collaborative model, our consultants provide agile support which transforms business processes into ready-to-implement architectural models. We have evangelists specializing in modeling paradigms and practices like RUP, Agile, Scrum and XP, who ensure that our clients get the best-of-breed solutions for optimal ROI and Total Cost of Ownership.

### Enterprise Application Development and Delivery

Through strategic consulting on process improvement and continuous collaboration, we help our clients step on to the next generation in enterprise applications development and deployment. Using our global distributed delivery model, we ensure that high-value solutions get delivered to our clients right on time. Our proven domain expertise, leading edge technology workforce and an impressive track record of delivering high transaction enterprise solutions have successfully established Anshin-Kan (complete mutual trust) between us and our clientele.

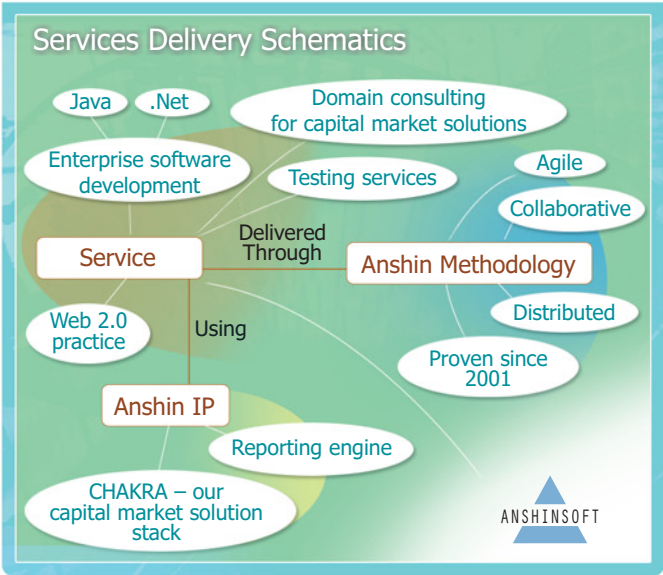
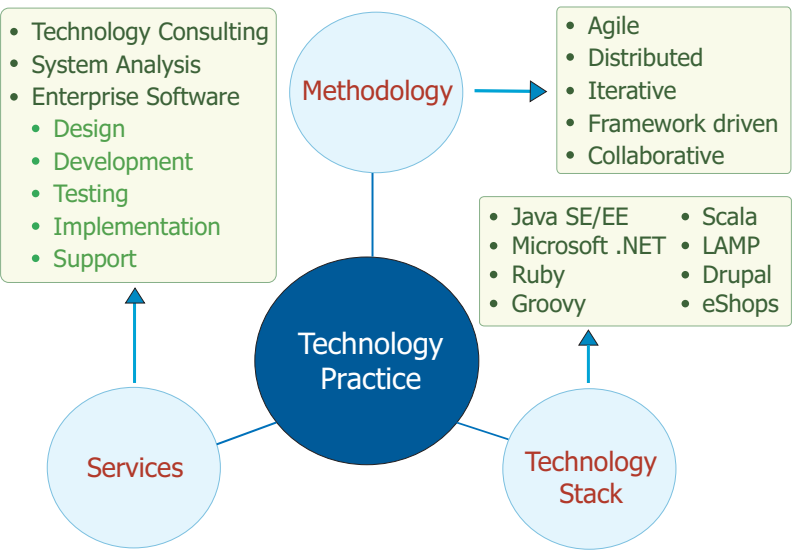
### Software Testing Services for Capital Market Applications (STS for CM)

STS for CM provides the capability to enhance efficiency of the deployment life-cycle by enabling worry-free outsourcing of a large part of IT deployment activities for the business operations, leveraging our specialized outsourced testing units onsite, offsite or in a blend of both. This provides an optimal utilization of internal subject matter expert resources, scalability of project portfolio and higher quality of software testing processes to minimize the operational risk.

#### STS for CM brings together

- Deep capital market domain expertise
- Strong team of people with test engineering skills including test automation
- Mature test engineering process and methodology
- Pre-existing investment in hardware and tools
- Mature blended onsite-offshore engagement model

# Technology Practice



## Technology Focus

Anshinsoft boasts of a technology organization that is oriented towards agile methodologies and is built upon various centers of Technology Excellence. We encourage adherence to software engineering principles that add value to our project delivery capability and continuously improve the value proposition that we offer to our clients. We believe in collaborative working models with our clients, focusing on delivering quality software that has passed through the rigor of our well-engineered QA process chain. Our delivery process is centered on a distributed model that automates the build, test and release cycles using best-in-class technologies.

### Java and Java EE stack

We deliver enterprise scale Web applications to our clients that run on the Java EE stack. The systems that we architect, design, develop and deliver are primarily based on the following infrastructure components:

- Java SE
- JMS
- JDBC
- JMX
- Servlet containers
- Application servers
- Web servers
- Service oriented architectures using REST based paradigms

### Microsoft .NET and CLR

- C# 2.0 / 3.0
- ASP.NET
- ADO.NET

### Newer Programming Languages & Frameworks

- Ruby and Rails
- Groovy and Grails
- Scala and Lift

### Open source platforms

We are a big proponent of the open source platforms and have been using open source software right from our inception.

- Apache Jakarta projects
- Tomcat
- Spring
- Hibernate
- Guice

### Web 2.0 Practice

- Drupal
- OXID
- Magento
- xt:Commerce
- Other PHP Frameworks

### Relational Databases

- Oracle
- MySQL
- SQL Server

### NoSQL Databases

- MongoDB
- Redis
- CouchDB

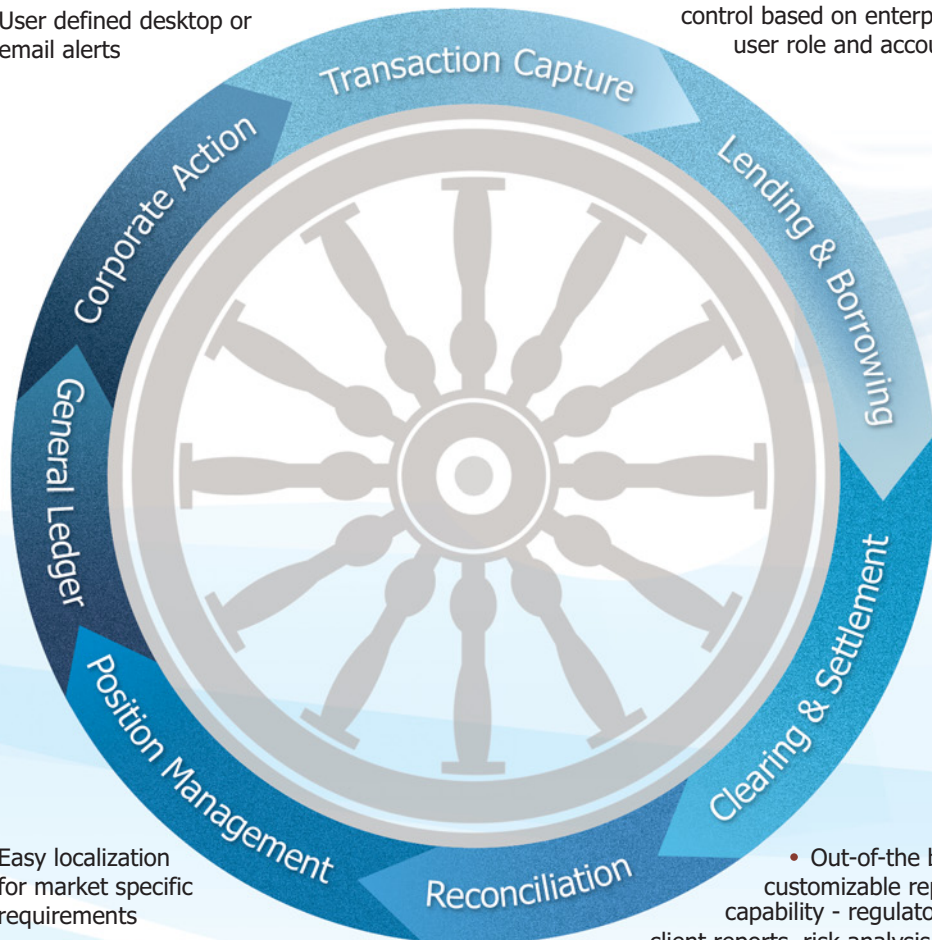
## Solutions



CHAKRA is a family of solutions offered by Anshinsoft for elegantly automating back office operations of Securities Brokers and Custodians. CHAKRA is built on Java EE technology stack and uses industry standard architectural components for seamless interoperability. CHAKRA's asynchronous message based loosely coupled modular architecture enables high throughput and flexible deployment options. CHAKRA's Adobe Flex based UI provides a rich user experience

- Multiple asset classes-Equity, Fixed Income, Exchange traded derivatives, Forex and Banking
- Cross border trades in multiple currencies
- Electronic and physical securities
- User defined desktop or email alerts

- Handles multiple enterprises in separate time zones
- Configure "My CHAKRA" with powerful personalization features
- Multi-level application access control based on enterprise, user role and account



- Easy localization for market specific requirements
- Real time interface with all relevant market intermediaries using industry standard messages (SWIFT, FIX ) or proprietary message protocols
- User configurable rule engine for major functionalities allowing users to control system behaviour by appropriate configuration of rules

- Out-of-the box and customizable reporting capability - regulatory reports, client reports, risk analysis reports and transaction reports
- Powerful exception and business event monitoring through interactive single window user interface

### Solution Architecture

- Pluggable business rule engine
- Cluster-enabled architecture
- Loosely coupled business components that can be deployed on a lightweight Java EE container
- JMX based console for STP component management and real-time feedback for optimization
- XML as the ubiquitous language
- Dashboard based exception monitoring and processing console
- Scalable Gateway component for external interfacing
- JMS based messaging layer for intra-firm STP implementation
- Tested reusable infrastructure components

### CHAKRA Back Office

Comprehensive, customizable back office solution that enables brokers and custodians to achieve intra-firm and inter-firm STP in post trade life cycle management across markets, asset classes and currencies

- Reference data Management
- Transaction Management
- Settlement Management
- Position Management & General Ledger
- Corporate Action Mgmt.

### CHAKRA Corporate Action

End-to-end life cycle management of Corporate Actions from announcement capture through balance maintenance, notifications, entitlement generation, payments and taxation to fail tracking

- All Cash Corporate Actions
- All Major Capital Corporate Actions
- Full Life Cycle Management of Optional Corporate Actions

### CHAKRA Reconciliation

User configurable reconciliation engine that handles multiple data sources to "reconcile anything with anything"

- Diverse Data Sources
- Complex Matching Capability
- Rule Engine Based Processing
- Persistence of Results
- Exception Based Monitoring & Alerts

### CHAKRA Dashboard

Personalizable dashboard that will pull in critical data from back office processes from various systems and present them in a single auto-refreshing view with configurable alerts

- Real Time
- Pluggable & Personalizable
- Web Browser Based
- Interactive Graphs With DrillDown Capability
- Role Based Access Control
- Real Time Alerts

## Why ANSHINSOFT ?

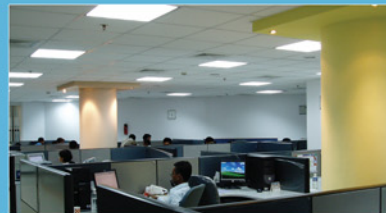
Anshinsoft offers IT consulting, out-of-the-box software solutions and custom software development services to its global clientele, with a special focus on the Capital Market domain. Our solution suite, CHAKRA, offers elegant and comprehensive automation of back office operations for Securities Brokers and Custodians. Our onsite consulting services are complimented with a skilled and seasoned offshore development team, helping our clients implement agile business solutions leveraging our business domain knowledge, technology proficiency, mature processes and proven project management expertise.



Best Software Export House  
(2007-2008)  
Category- 'Small IT Company'

**Awarded by:**  
Ministry of Commerce & Industry,  
Govt. of India

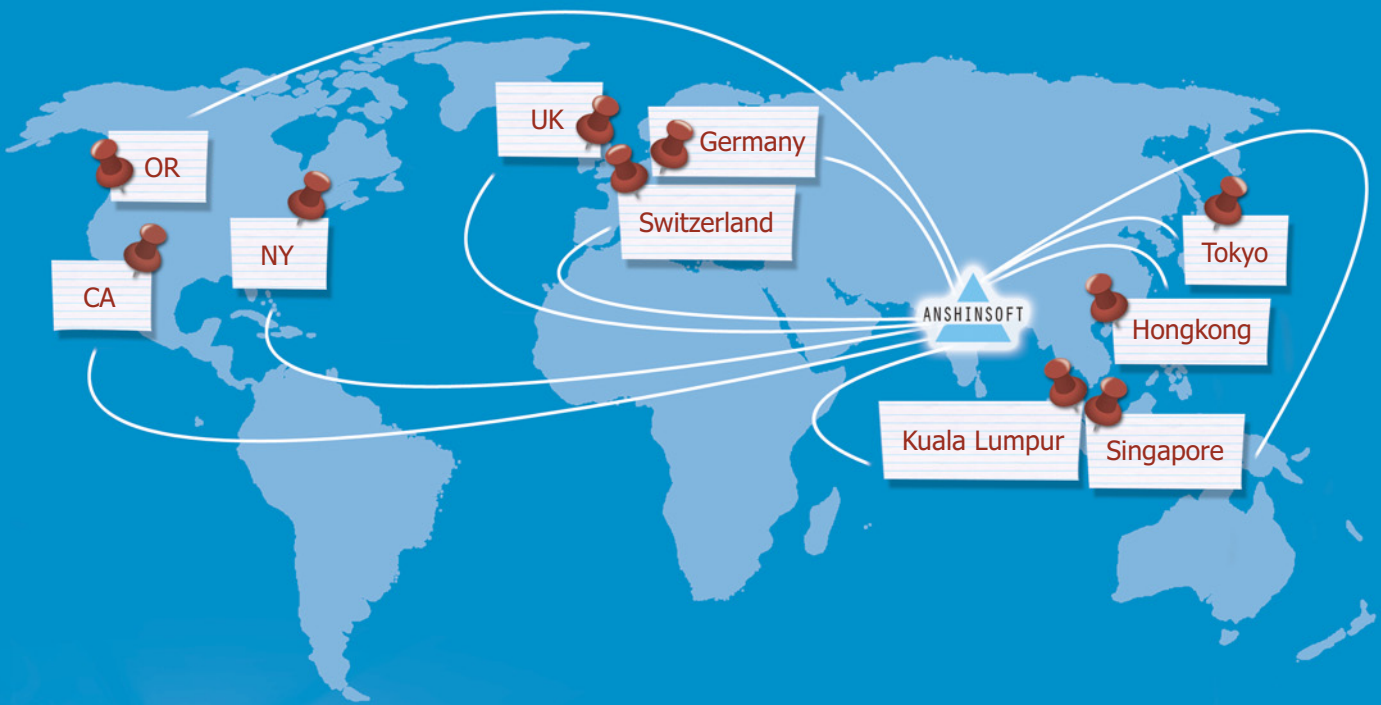
- One Stop Shop: Design, Development, Deployment, Integration and Post-Implementation Support and Maintenance
- Dynamic balance of onsite/offshore resource distribution
- Mature and proven onsite/offshore project management and delivery processes
- Strong expertise in modern technology stacks
  - Java and J2EE technologies
  - Microsoft .Net technologies
  - Web 2.0 technologies including Drupal, Oxid, Magento, xt:Commerce, etc.
- Deep domain expertise in the Capital Market domain through knowledge management and high employee retention
- Global standard development center infrastructure:
  - Business Continuity Plan
  - Disaster Recovery Processes
  - Secure environment
    - » ISO 2001 certified
    - » Isolation of networks per client project



### Mission

Our mission is to always add value to our customers' businesses, creating long-standing relationships based on mutual trust and the intelligent and innovative application of appropriate technologies to solve complex, mission-critical business problems.

Our Global Presence



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