

## DS and QA System for a Large Investment Firm



### Background

One of the largest investment-banking firms and leaders in equity and fixed income sales, the client specializes in trading and research, global finance, private equity, and other financial services.



### Challenges

The client needed to upgrade the scalability and performance of its Fixed Income Trading System, utilized for pricing and trading fixed income derivatives. Scalability issues were cropping up in the existing client server based system, which was used to analyze options and futures in multiple currencies. The existing architecture of the Fixed Income Trading System prevented full global implementation of the system across multiple geographies. Further, the system lacked intranet functionality, which would allow registered users restricted access to client information. Performance issues also took the shape of large QA testing budgets for the Government Bond Trading System due to frequent software releases, adding to escalation in maintenance costs. The lack of automated testing tools resulted in the QA process becoming resource and labor intensive.



### Business Execution Approach

Trianz created two products to address the client's performance and scalability issues - App 1 and App 2. App 1 is a Web-based decision-support system that uses basic trading details such as input, and then populates the decision maker's screen with real time market-sensitive data. App 2 allows real-time trading of options and bonds by taking concurrent input from New York, London, and Tokyo markets. Quality assurance issues were addressed by creating an offshore testing environment to replicate the client's fixed income production environment to facilitate end-to-end testing of the applications, databases, network infrastructure, and related end-user computing tools.



## Technology

TIBCO, Java



## Successful Business Results

Major client benefits derived from this engagement include the following:

- ▶ Reduced client's overall budget for real-time data tracking and system testing and dramatically reduced product release time.
- ▶ Trianz unique product realization methodology and offshore capability helped the client reallocate its internal resources to focus on more strategic work.

### About Trianz

Trianz is a dynamic and fast growing firm that helps leaders in client organizations formulate and execute operational strategies to achieve business results from a senior management perspective. With a focus on Business Digitization, Analytics, Cloud Enterprise, Mobility and Cloud Infrastructure, we bring the best of consulting and technology experiences, execution models, and IP to deliver consistent success to clients. With offices in Silicon Valley, Washington DC Metro, New York, Bangalore, Chennai, Hyderabad, and the UAE, Trianz serves a wide range of clients from *Fortune* 1000 to emerging companies in high tech, insurance, financial services, retail, life sciences, public sector and logistics industries.