

## Customer

Pulse Interactive Technologies (USA)

## Challenge

Customer required a reliable system for foreseeing of stock trades and trading strategy optimization, but being in pre-funding stage, wanted to limit the investments. Customer has chosen ScienceSoft as a strategic outsourcing partner for building this system.

## Solution

ScienceSoft has designed the complete system from scratch. The system collects the trade data over the leased lines, processes and analyses it with complicated mathematical algorithms and stores in a database. The reliability and speed requirements for the system operation were extremely severe and we had to employ specific solutions and technologies for their implementation, such as distributed and parallel computing, fast algorithms, clustering.

ScienceSoft has delivered the full line of outsourcing services starting from the knowledge domain analysis, creation of functional specification and architecture, development and testing to deployment, maintenance and support.

## Results

The product has been successfully implemented at the Customer's company and is functioning on 6 servers. The final system is scalable by adding additional servers and is meant for thousands of users.

## Tools and Technologies

Server part: Oracle 10i, C++, J2EE, EJB, JDBC, Servlets, JMS, WebLogic 6.0, JST Struts

Client part: DHTML, JavaScript, Java Applet, Swing, Java Web Start

## Testimonial

"I think all software companies need to learn support and service lesson from DISFA team [dedicated ScienceSoft's team for DISFA project]. DISFA is the best in this area. And we even have some language barriers - but still communicate more efficiently than English speaking teams. Please express our gratitude to the team for all the hard work so far."

*Scott Haiges, CEO, Pulse Interactive Technologies*