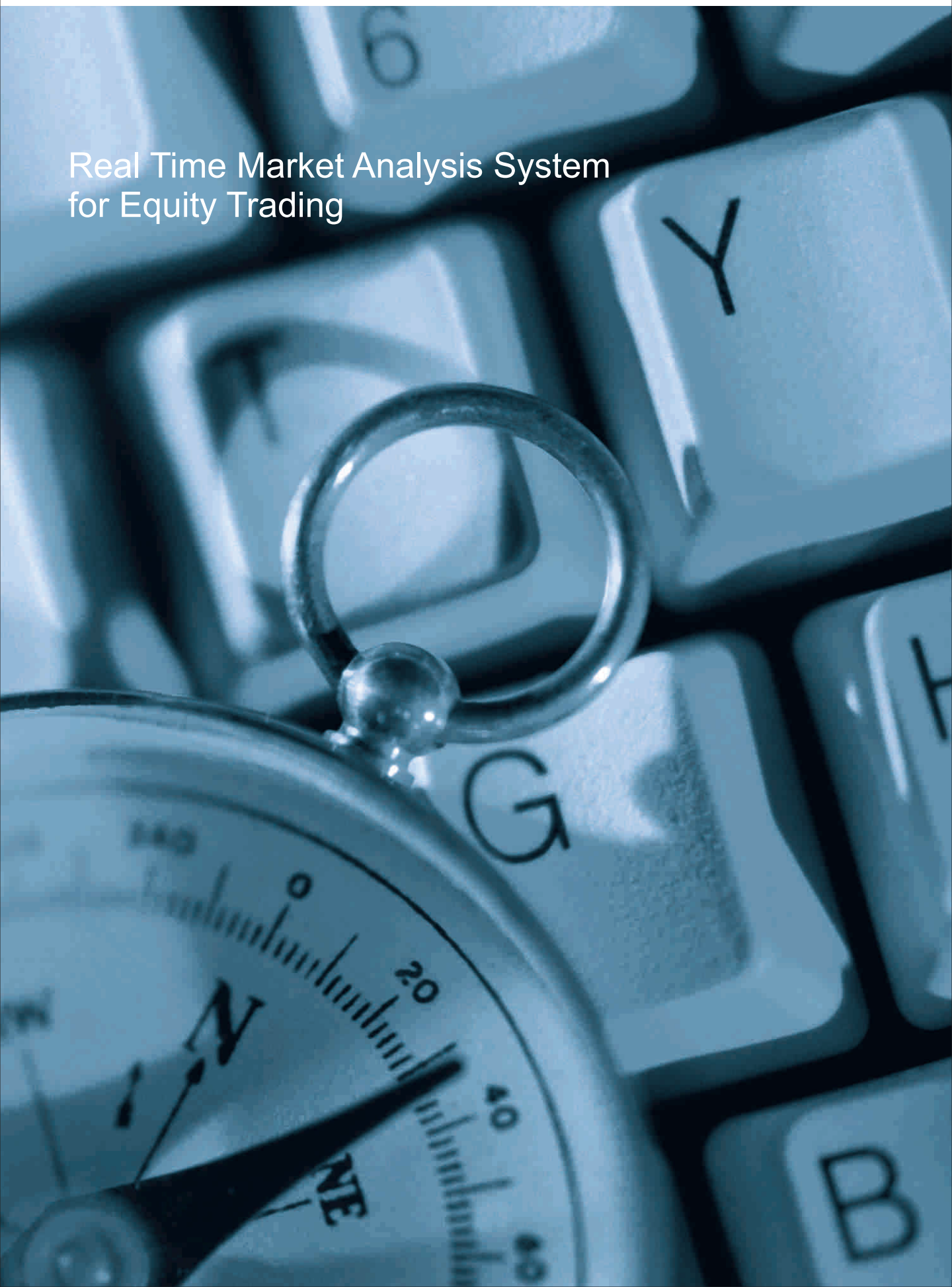


Real Time Market Analysis System  
for Equity Trading



The client was technocrats associated with research & development firms in US in the areas of XML, ontology & RDF. These people have provided many innovative ideas to several government organizations including World Wide Web Consortium & also providing solutions to many mission critical applications...

## CHALLENGE

To deliver a highly available and scalable web-based solution as a real time market information service for portfolio managers, proprietary traders, research analysts & other professionals involved routinely in equity trading. The real challenge was to understand new concepts & technology involved in this project & working with varied technology platform.

## SOLUTION

eScope taps online sources of commercial market information using XML - standardized languages to deliver up-to-the-minute situation displays that capture a broad spectrum of analytics, market activity & new content. Each source is filtered for the client using a model of the equity market influences on their portfolio holdings. The strictly descriptive model ensures results that are always objectively verifiable. Information received from the various sources is filtered for the client using a model of equity market influences on their portfolio holdings. The application analyses the information and delivers the results of the analysis in terms of the effects on the individual portfolios to the end users.

The rule engine was built based on ontology concepts & RDF technology. The input data in the form of RIXML/XBRL/MDDL converted to RDF & then published using web based user interface.

## RESULTS

Opus developed eScope service that is extremely easy to use, requiring only an Internet connection & a browser. Subscribers are able to monitor & compare continuously the current market situation of individual stocks & portfolios, whether at their desk or away. The view is refreshed every time new relevant information arrives from any source. An offshore development methodology was employed to implement the high quality system with an emphasis on cutting the development cost.

## TECHNOLOGY

Operating system:  
**Windows 2000**

Technology:  
**C++, C#, ASP Dot Net,  
Java, XML, RDF**

Database:  
**SQL Server 2000**



### Corporate Headquarters

Opus Software Solutions  
201, A Wing, Mayfair Towers  
Shivaji Nagar, Mumbai Pune Highway  
Pune, MH 411 005 India  
Tel: +91 (20) 2551 20 92  
Fax: +91 (20) 2551 28 08

email: [sales@opussoft.com](mailto:sales@opussoft.com)  
[www.opussoft.com](http://www.opussoft.com)

### US Office

Opus Software Solutions Inc.  
Princeton Forrestal Village  
116 Village Boulevard, Suite 200  
Princeton, NJ 08540  
Tel: +1 609 524 4045  
Fax: +1 609 228 4230