

The background of the slide is a dark blue/black financial chart. It features several data series: a primary candlestick chart showing price movements over time, and several overlaid line graphs in yellow and white. The x-axis is labeled with months and years, including 'Aug Sep Oct Nov 2005' and 'Feb Mar Apr May Jun Jul Aug Sep Oct Nov'. The y-axis has some numerical values like '500' and '520'.

# Case Study

# Hedge Fund

## Disaster Recovery

SENTRONEX

## The Client

The Client is a \$500 million London-based hedge fund, regulated by the Financial Services Authority. The Client has around 20 staff working from their London office with another 10 members of staff located in Regional and Global sites. The Client required a Disaster Recovery (DR) service to ensure the business complied with FSA requirements and achieved IT resilience.

## The Challenge

Without having had a solution in place before, the Client did not have any of the required technical services or appropriate backups in place. They also had excessive hardware and applications within the production environment, sucking up excessive amounts of power and space thereby inflating their costs.

## The Solution

The solution proposed for the client was carried out in two stages. The first was to quickly implement a DR solution that would meet their initial requirements and add resilience to their production IT environment. This required Sentronex to initially conduct an in-depth analysis of the business, including interviewing all key staff, to ensure sufficient information was gathered to form a full picture of the business. The most critical parts of the business in the event of a disaster were identified, as well as areas requiring attention to strengthen resilience.

File data was vital to the Client's business, so real time failover was crucial for seamless transfer from the production environment to the DR servers in the event of a disaster. By implementing 'byte by byte' replication, the data would be accurate to the same second the production IT servers shut down. The solution also incorporated SQL mirroring of the trading and client database, as well as Exchange 2007

"Sentronex took us from start to finish, creating a flexible DR solution that has become a selling point for us. They also keep close contact with us and amend the plans in accordance with changes within the business." CEO

Standby Continuous Replication (SCR). Due to the nature of the Client's business, the company operates many staff from remote offices in the UK and overseas. Remote access through a terminal server with secure authentication in the form of RSA was implemented for improved flexibility and reliability. Email was brought in-house to take advantage of shared resources, shared calendars and the company's own database, resulting in enhanced internal performance.

The second stage was to redesign and reengineer the production IT environment to streamline and consolidate hardware, software and network infrastructure. Through the initial IT environment examination, Sentronex identified that their production environment was highly inefficient and inconsistent using non standard hardware and software. By working closely with the Client, Sentronex were able to consolidate the contents of four machines onto one single machine for DR.

Furthermore, the Client was working with multiple third party vendors for different areas of their IT infrastructure; telephony, networks and application support. Sentronex proposed to bring the management and support of these areas under one roof.

Annual tests involving all key client personnel are also carried out, ensuring that there is a high level of familiarity with the processes required during invocation and any problems are rectified.

## The Result

The Client's secure and resilient Business Continuity infrastructure has now become a major selling point for the company and is an integral part of their sales process.

This solution eliminated the requirement to use third party applications for replication services keeping costs to a minimum and removing the need for third party support contracts.

Moreover, the changes made to their production environment as a result of the DR solution provided improved application and system availability, rendering the overall infrastructure more efficient and streamlined.