



▶ Emtec® Helps Investment Firm Build Super-Fast, Super-Reliable Trading System

“Only a finite number of opportunities exist on these very short time horizons, so it is essential to be able to identify them and execute just as quickly as possible before someone else does. Since opportunities cannot be anticipated, one hundred percent uptime in addition to speed is essential, and that is what Emtec has done for us.”

Jose Marques, Telic's Managing Member

Client:

Telic Management LLC, a specialized investment advisory and technology company based in Greenwich, CT, builds computer models to look at the market in real time and tries to identify pricing anomalies. These models look for securities that might be undervalued over a relatively short span of time; and based on fair-value estimates of these securities, the company either buys or sells them, sometimes doing both in the same day.

Problem:

The challenge facing Emtec on this assignment was to design and construct an IT system capable of monitoring and executing more than 100 investment transactions a minute using artificial intelligence requiring no human interaction, and capable of operating with virtually no down time. This type of investing is sometimes referred to as “trading on the tick” and is based on an evaluation of each transaction involving a security.

Solution:

Emtec engineers designed an enterprise server configuration that included a Sun Microsystems 420R database server, an analysis server cluster featuring two Sun E4500s, two D1000s and multiple Sun 220R trade execution servers, as well as ancillary equipment and servers. The backup element was designed utilizing Veritas NetBackup. To be sure everything would work as planned from day one, Emtec personnel rigorously tested the entire system at the company's Innovation Center in Cranford, NJ. When the Emtec team was one hundred percent satisfied with its performance, implementation was completed at Telic's facility.

Results:

“Essentially, we built Telic a very robust, extremely reliable and scaleable infrastructure, with dependable backup for both in progress and historical data. It was an end-to-end solution for their needs,”

noted Emtec's Vice President of Business Development, Colwyn Warner.

About Emtec: Established in 1964, Emtec, Inc. is a systems integrator that provides IT services and products to the federal, state, local, education and commercial markets. Our market leading value-based management methods, coupled with best-in-class IT technology, consulting and development services, address a wide range of specific client needs, as well as support broader IT transformation initiatives. Emtec's service capabilities span the United States, Canada and countries around the globe.