



*"I speak for every member of my team when I say that we are fully impressed with Double-Take® Availability™ and Double-Take® Move™ from Vision Solutions. These products do exactly what they are advertised to do. Their ease of use and simplicity for what they are actually getting you is second to none. We did evaluate other products but none were able to deliver the full package that Vision Solutions brings to the table."*

Ted Archer, Network Manager, Americas Region, Littelfuse, Inc.

## Business Profile

Company Name:  
Littelfuse, Inc.

Headquarters:  
Chicago, Illinois

Industry:  
Manufacturer of circuit protection products

Founded:  
1927

Business Environment:

- World leader in the development of circuit protection solutions.
- Business is transacted 24 hours a day, seven days a week.
- Green initiatives are driving IT resource consolidation and virtualization.

Vision Solutions Product:  
Double-Take Availability  
Double-Take Move

Implementation Partner:  
Vision Solutions

## Critical issue

As a fast growing company, Littelfuse had difficulty keeping up with the established network and system service level agreements. Specifically, their core their ERP had to be continuously available on a 24 by 7 basis.

## Results

- Enjoys 24x7 high availability in all datacenters throughout the enterprise.
- Has the ability to power down servers without affecting applications or users.
- Migration from physical systems or other virtualization platforms or virtual machines running VMware is effortless.

## Technologies

- Double-Take Availability
- Double-Take Move
- Microsoft Windows
- MS SQL Server 2005
- Microsoft Exchange 2003
- VMware
- SAP ERP

## Business Challenge

Littelfuse is the world leader in circuit protection and operates in three geographic segments: Americas, Europe and Asia-Pacific. Littelfuse solutions can be found in virtually every product that requires electrical energy, from automobiles to computers to telecom devices. With customer service a driving force for their business, the need for 24x7 access to data and applications is essential.

Like many organizations, Littelfuse has a fast growing environment and has had a difficult time keeping up with the established network and system service level agreements (SLAs). To keep pace, they had previously set up a location failover for their main ERP application, but wanted to extend that redundancy into multiple critical business applications. To this end, they considered software replication and failover strategy to handle disaster recovery and a high availability landscape implementation.



## Solution

Littelfuse's professional services vendor recommended Double-Take Availability from Vision Solutions. After further investigation of the software, functionality, and benefits, Littelfuse decided to move forward and implement the software throughout their environment. "The many different features of Double-Take Availability seemed to address our wide array of problems," explains Ted Archer, Network Manager, Americas Region. "Double-Take can be used to protect any type of application too. In fact, we utilized our existing infrastructure and plan to use Double-Take for data replication, disaster recovery, physical to virtual migration, and much more."

Since Double-Take Availability is application and hardware agnostic, Littelfuse did not need to invest in more hardware to get this solution working. The primary role that Double-Take Availability plays in the Littelfuse environment today is to provide 24x7 high availability between several datacenters.

Their main data center is connected to the back-up data centers by a gigabit fiber link with a primary purpose of handling the replication of their critical systems. Littelfuse can now power down servers without affecting applications or users; it is a non-disruptive solution.

Littelfuse is also using Double-Take Availability to protect their data in a very unique way. As part of their location based failover, they are replicating SQL Server 2005, Microsoft Exchange 2003 and three Windows based SAP landscapes all with SQL back ends. Then, as part of their VMware® migration project, they are using Double-Take's Virtual Recovery Assistant (VRA) feature to handle a very large range of Windows based applications.

VRA automates the protection of workloads running on physical servers, moving them to virtual machines automatically in the event of a server outage or site-wide disaster. It provides effortless migration from physical systems or other virtualization platforms to virtual machines running on VMware Infrastructure.

The organization's migration project is part of a large initiative they have been working on the past few years to migrate to a virtualized, green environment. By working with Double-Take Software and VMware, Littelfuse is working toward reducing the energy demands of their datacenters, consolidating workloads, and decreasing costs and service levels.

This green initiative has been largely simplified by utilizing the dynamic technologies from Vision Solutions. Double-Take Move has made the migration process from physical to virtual has effortless and the process has ultimately fast-tracked their initiative. What's more, Littelfuse is currently experimenting on more ways to utilize the flexibility of Vision's products within their existing environment to further streamline processes and reduce overall project costs. By eliminating resource overhead, they can plan more efficiently and accomplish more tasks that may have not been feasible with the current resource allocation.

According to Archer, "I speak for every member of my team when I say that we are fully impressed with Double-Take Availability and Double-Take Move from Vision Solutions. These products do exactly what they are advertised to do. Their ease of use and simplicity for what they are actually getting you is second to none. We did evaluate other products but none were able to deliver the full package that Vision Solutions brings to the table."

Not only has the implementation of this software reduced overall project costs, but it has allowed their team to plan more efficiently and accomplish more tasks that may not have been feasible with the current resource allocation.



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 High Availability
  Disaster Recovery
  Systems and Data Management
 