



INFINERA CORPORATION

Weidenhammer Helps Infinera Corporation Gain Real-Time Access Across Multiple Locations

One sure sign of a company's competence is to find out if their customers would recommend them to others or use them again. If this criterion is indeed a measuring stick, Weidenhammer Systems more than excels at making a memorable first impression. And corresponding often with growth, there are some noticeable growing pains.

Infinera Corporation, headquartered in Sunnyvale, California, has enjoyed tremendous growth. As a result, they called on Weidenhammer Systems to help them meet their expanding business needs.

Infinera has developed what they believe to be the world's only commercially-deployed, large-scale photonic integrated circuit (PIC). Their PICs transmit and receive 100 Gigabits per second of optical capacity and incorporate the functionality of over 60 discrete optical components into a pair of indium phosphide chips approximately the size of a child's fingernail. They have used their PIC technology to design a new digital optical communications system called the DTN System.

The DTN System is designed to enable cost-efficient optical to electrical to optical conversion of communications signals. The DTN System is architected to improve communications service providers' economics and service offerings as compared to optical systems that do not use large-scale photonic integration. Infinera's carrier-class DTN System runs their Infinera IQ Network Operating System and is integrated with their Management Suite software, which together enhances and simplifies network monitoring, management and control.

Infinera had an information sharing problem among its various locations, as well as a storage dilemma. With U.S. locations in California, Pennsylvania and Maryland, as well as Internation-

al locations in the United Kingdom, China, Singapore, Korea and India, making database information available in real-time format to a variety of locations was challenging.

However, thanks to significant support and oversight from Weidenhammer, Infinera developed a three-pronged plan to attack this problem.

The initial step was to move and upgrade Infinera's Microsoft SQL 2000 database to a new server running Microsoft SQL Server 2005 in both their Allentown and California facilities. This step took place in April 2006. Each SQL Server had greater storage capabilities and replication methods that allowed key personnel in Infinera's Pennsylvania and California location to exchange and share data at a moment's notice.

The initial migration went so smoothly that Infinera again turned to Weidenhammer in November 2007 to support their recently hired Database Administrator, Cynthia Sun, as she performed another server upgrade within their California facility. Finally, in August 2008, Weidenhammer again assisted Infinera as they upgraded the server housed within their Allentown facility. After a series of tests, the final server switchover took place in late October.

In dealing with the complexity associated with Infinera's products, they employ an extensive research and quality control process. As a result, the data produced from this department must be appropriately housed in a secure database and when called upon, it must deliver reliable reporting and analysis. Thanks to Microsoft's SQL Server, and Weidenhammer's professional oversight and support, that's precisely what is happening.

About Weidenhammer Systems Corporation

Founded in 1978, Weidenhammer is an information technology firm providing innovative products and services that is celebrating 30 years of information ingenuity. Weidenhammer specializes in working with organizations to use information technology as a strategic tool for education administration, government, and diverse business industries.

With nearly 200 IT professionals in seven locations, Weidenhammer confronts one of the most critical and complex resources of business administration: information. At the core of our approach to serving clients is a focus on achieving and maintaining the highest degree of alignment between our clients' business strategies and the appropriate application for information technology. To learn more, please visit www.hammer.net.