



# **SystemSupportSolutions**, Inc.

Free Space Optics - Big Pipes...FAST!

## 2.3 km TERE**SCOPE** 3000 Link - FastEthernet with Fusion RF Redundant Link

Case Study



### The problem

When an Apple Valley, MN company decided to relocate their executive staff across town from production headquarters a mile and a half to the east there was a problem: "How do we provide the required 100 Mbps connectivity between the two facilities?" The initial choice seemed to be to just suffer with the high price of inadequate Telco bandwidth.

### The solution

After considering various alternatives, a Free Space Optics optical wireless link was identified as a logical solution. System Support Solutions, Inc., Minneapolis, Minnesota FSO integrator suggested an Optical Access TereScope 3000 link. the company's IT Director engaged System Support Solutions to conduct a low cost site survey to verify line-of-sight, etc. for the 2.3km link. Then, with 2 weeks to go to the move, the zero latency high bandwidth optical wireless link was ordered from System Support Solutions (Minneapolis 952-745-0700) to connect the two sites.

### What were the benefits?

- Full OC3 155 Mbps connectivity, with very high link security and 99.999% availability w/Fusion RF backup
- Met very short timeline requirement, just two weeks from order to link activation
- Much lower cost than Telco OC3 ( 3xDS3)
- Eliminated the wait for service from the Telco
- Eliminate duplication of extensive separate system infrastructure

### Application

Location: Apple Valley MN USA	Data Rate: 100 Mbps
Protocol: FastEthernet Interface: Multimode fiber	Mounting: Outside corner of structures
Distance: 2300 meters (1.44 miles)	