

# Lucent Technologies

## The Fiber Behind The Internet

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### Overview

#### Description

- ✓ An Intranet system that can link every machine and employee, providing mission-critical data in real time

#### Software

- ✓ Prolifics Panther

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### Benefits

- ✓ Business-driven IT allows Lucent to focus on the manufacturing process, not programming tasks
- ✓ Extraordinary productivity gains thanks to 100% uptime and universal access to information

### Client Background

The Fiber Optics Manufacturing Facility of Lucent Technologies designs, builds, and delivers approximately one-third of all the fiber optics currently in use on the Web. This massive facility is designed to run 24x7 and demands the skills of hundreds of talented employees. The state-of-the-art production line quite literally empowers the Internet (A sign inside the plant reads, "We are the Internet,").

Despite its hi-tech end-product, this facility shares precisely the same the challenges as any other automated production line worldwide.



### Business Problem

Trouble-shooting Lucent's sophisticated production line posed considerable challenges. When a stoppage occurred, Lucent's managers needed instant access to a wide range of critical information in order to pinpoint the problem. As a 24x7 facility, Lucent managers needed instant access to make emergency adjustments, even from a browser at home.

The goal was to build a mission critical Intranet system that could deliver machine-level control over the entire fiber optics production line, providing fault tolerance, 100% uptime, and no single point of failure. In addition, Lucent requested a thin client system, which would eliminate the need for extra PCs, software and dedicated database connections.

### Solution

Constructed on a Windows NT platform that accesses information from Sybase, the new application provides Lucent employees with full process control of the line, from any location. Different specialists working throughout Lucent's vast production facility can now collaborate through a single system in order to ensure efficient task completion. Above all, the system has proven to be extremely reliable and can run non-stop with nearly 100% uptime.

Thanks to Prolifics technology and expertise, Lucent can now concentrate its skills on the manufacturing process, without diverting valuable resources to IT tasks. What's more significant is that the application has proven to be a successful prototype in Lucent's mission to standardize operating systems on a web-based interface for their entire fiber optics business unit.

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## About Prolifics, a SemanticSpace Company

Prolifics is the largest systems integrator specializing in IBM technologies. Having garnered awards for its solutions and technical excellence across IBM's entire software portfolio, Prolifics provides expert services including architectural advisement, design, development and deployment of end-to-end SOA, Portal and Security solutions. SemanticSpace, Prolifics' parent company, is a global IT services firm providing application development, testing, application maintenance and outsourcing services. Bringing over 30 years of experience and a strong global presence across the US, Europe and Asia, the SemanticSpace companies offer clients end-to-end services combined with the market's most seasoned and skilled consultants and the dedicated care and attention that comes from a highly-specialized, boutique company. By combining application frameworks, prebuilt components, custom development expertise, a governance framework and a blended shore model, we help organizations decrease risk in complex software development and deployment investments, improve time to market and increase success of business strategy execution.



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