

Integration Services

Adtell Integration - Installation and Testing

- In Partnership with FiberOptic.com

Why Adtell Integration?

Build Your Network with Adtell Integration and FiberOptic.com...

For professionally trained and certified engineers, plus calibrated and fully owned splicing and testing equipment, FiberOptic.com puts you on your way to complete fiber optic network services. We're fiber optic focused, and understand the demand for reasonably priced, high quality service.

Fiber Services

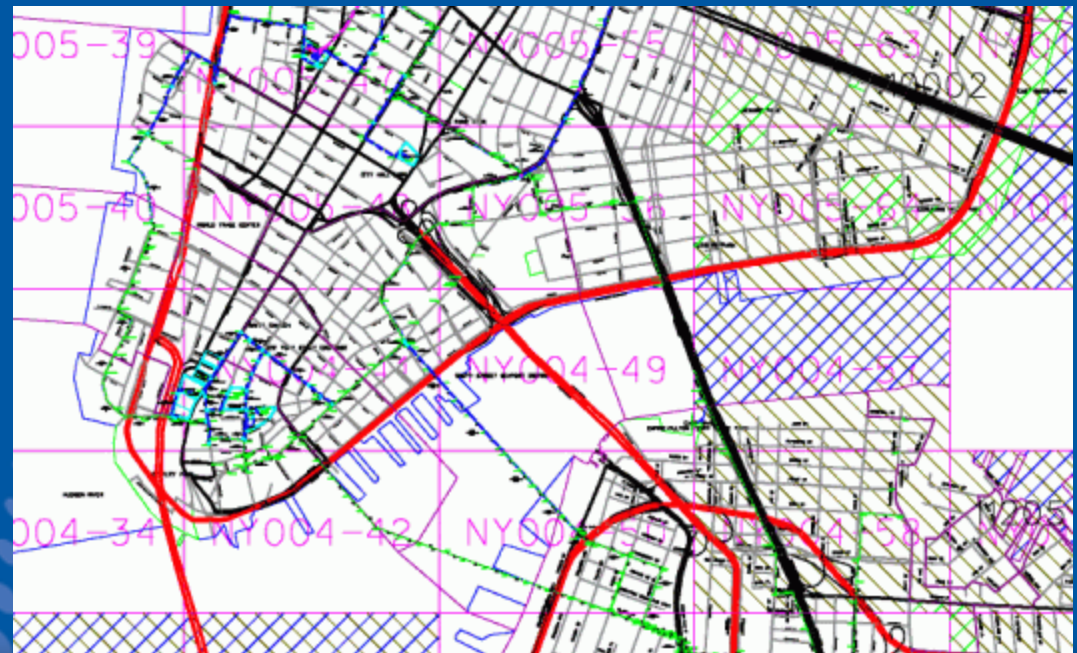
- Fiber Optic Splicing
 - Fusion Splicing
 - Mechanical
- Testing and Documentation
 - OTDR
 - Power Meter / Light Source
- Fiber Characterization
- Services
 - Engineering
 - Emergency restoration
- Maintenance
 - Annual cleaning
 - Annual documentation
 - Annual Certification Program



FTTx Services

Fiber-to-the-Home Services

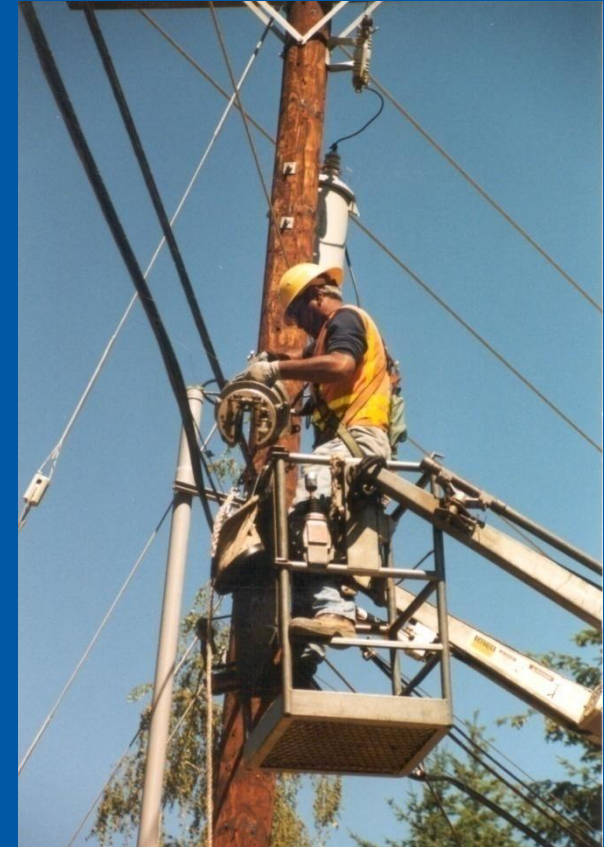
- Field engineers are available to support either aerial or underground FTTx installations nationwide.
- Fiber Optic Splicing
 - Backbone
 - NAP
 - NID
- Testing
 - OTDR
 - PM & LS
- Documentation



Project Management

Project Management – OSP

- Our seasoned team of project managers and technicians are equipped to handle virtually any OSP Installation project. Established relationships with leading vendors also assure the best possible service and quality equipment is provided to our customers.
 - **Cable Vision**
 - **Comcast**
 - **California (DOT)**
 - **France Telecom (Caribbean)**
 - **Rosebell Gold Mine (Amazon / S.A.)**
 - **Iraq (Bechtel Contractor)**



Splicing Services

Splicing Services

- Fusion Splicing
 - **A Fusion Splicing job requires an experienced crew, a commitment to quality, and the right equipment.**
- Mechanical Splicing

Equipment

- Core-Alignment fusion splicers with a .02 dB average loss.
- Fusion Splicers capable of performing Splice-on connector installations.



Splicing Services - Applied

Fusion Splicing in the Amazon

- Rosebell Gold Mine
 - An internal network was created to support the needs of a large gold mine the Suriname South America.

Equipment

- Sumitomo V-grove fusion splicer.
- PLP fiber enclosures
- AFL fiber optic cable



Field Training - Applied

Fusion Splicing Training

- Fallujah, Iraq
 - Fusion splicing and network training for Bechtel employees in Fallujah, Iraq.

Equipment

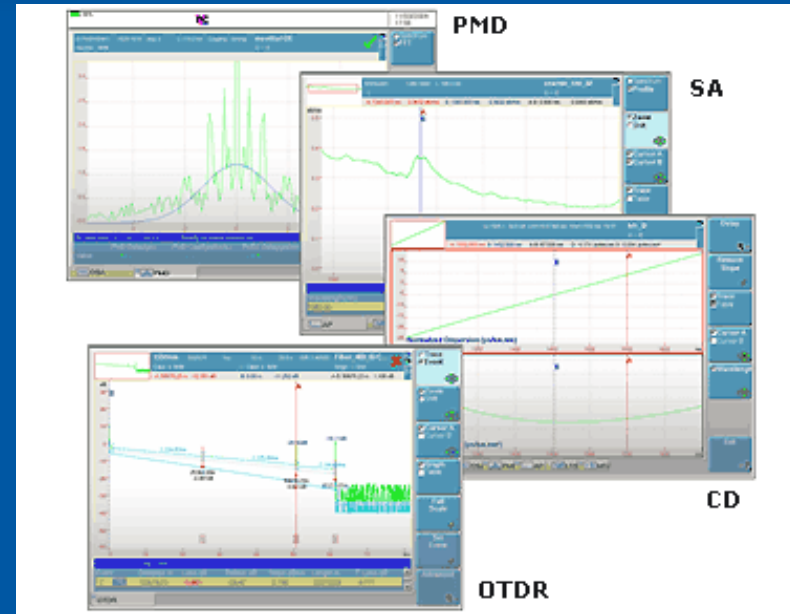
- Fusion splicer
- 3M fiber enclosures
- Corning fiber optic cable



Testing and Documentation

Testing and Documentation

- DON'T GUESS! - use your documentation.
- The testing and documentation of your network are of paramount importance to the ongoing performance of your network.
 - Well documented networks are well maintained networks that experience better performance and less down time.
 - Using the right equipment will quickly identify the source of your errors.
 - Without a benchmark, you don't know what might have gone wrong.
 - (CONSIDER A MAINTENANCE PLAN)



Testing and Documentation

Fiber Benchmarking - OTDR

- Rosebell Gold Mine
 - An internal network was created to support the needs of a large gold mine the Suriname South America.

Equipment

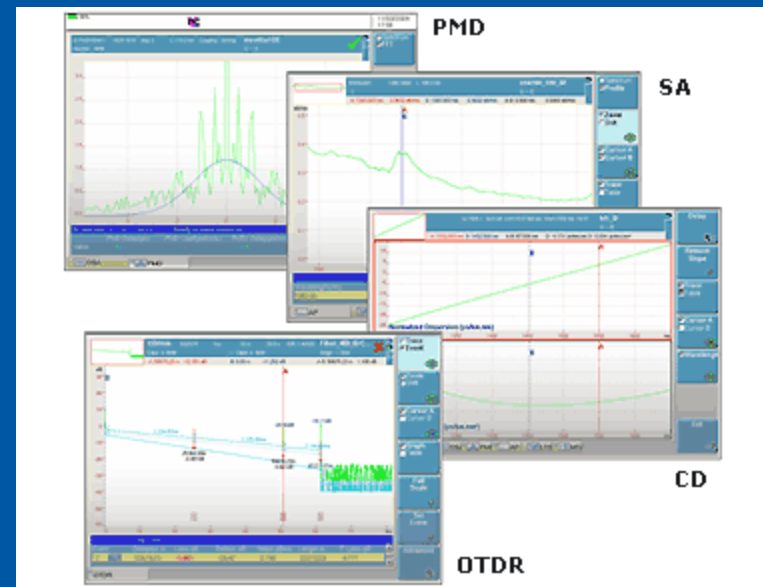
- EXFO FTB-200 OTDR (850/1300/1310/1550).
- EXFO EMP-500 Power Meter
- EXFO ELS-500 Light Source



Fiber Characterization

Fiber Characterization

- Fiber optic Characterization is a battery of tests that will help optimize your fiber optic network by increasing data transmissions speeds and limiting bit-error rates. Anyone planning on transmission speeds of OC-48 or higher, or deployment of DWDM systems, should budget for Fiber Optic Characterization.
- Whether you are planning an overbuild, a new build, or an upgrade, certain properties of your fiber plant, such as dispersion, need to be measured and compensated in order to optimize your networks performance.
- 5 principle tests that include, Chromatic Dispersion (CD) Testing, Polarization Mode Dispersion (PMD) Testing, Optical Time Domain Reflectometer (OTDR) Testing, Optical Return Loss (ORL) Testing, and Optical Channel Analysis (OCA).



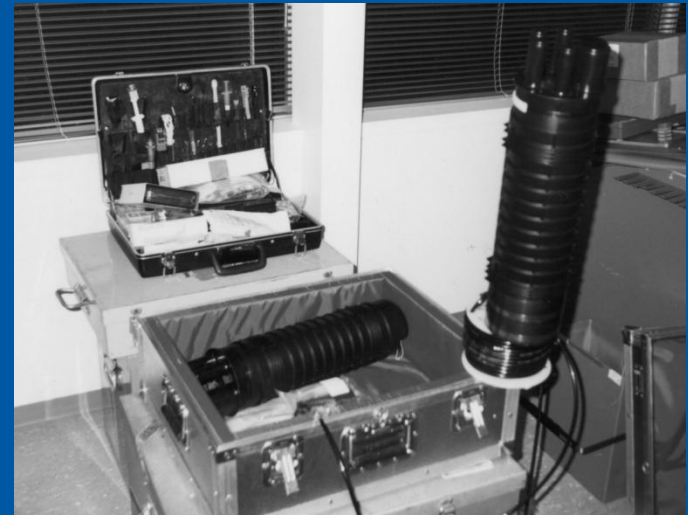
Engineering and Restoration

Engineering

- Whether the job call for CAD images, Visio documents, or just a hand drawing, our trained and certified staff will make the appropriate recommendations.
 - **BICSI RCDD – On staff to handle any project related questions**

Restoration

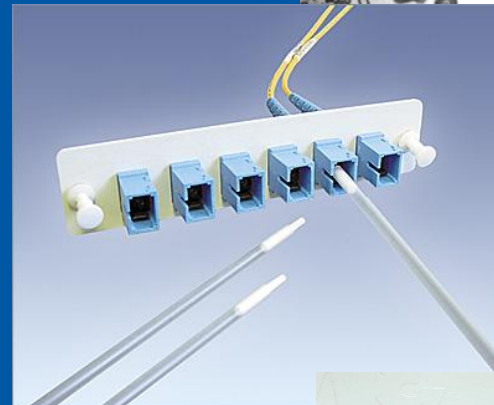
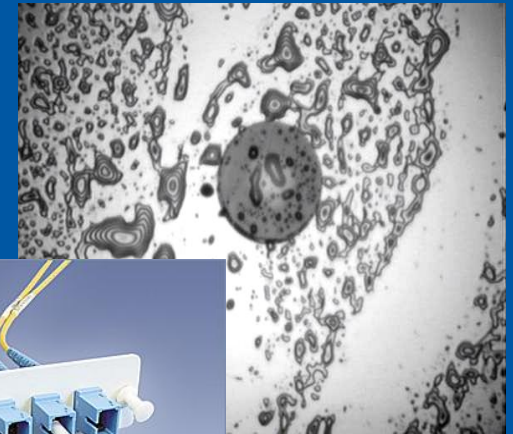
- We hope your investment is directed toward a [Preventative Maintenance Program](#), but if your not so lucky we have [Emergency Response Plans](#) for many areas of the country.



Maintenance

Preventative Maintenance

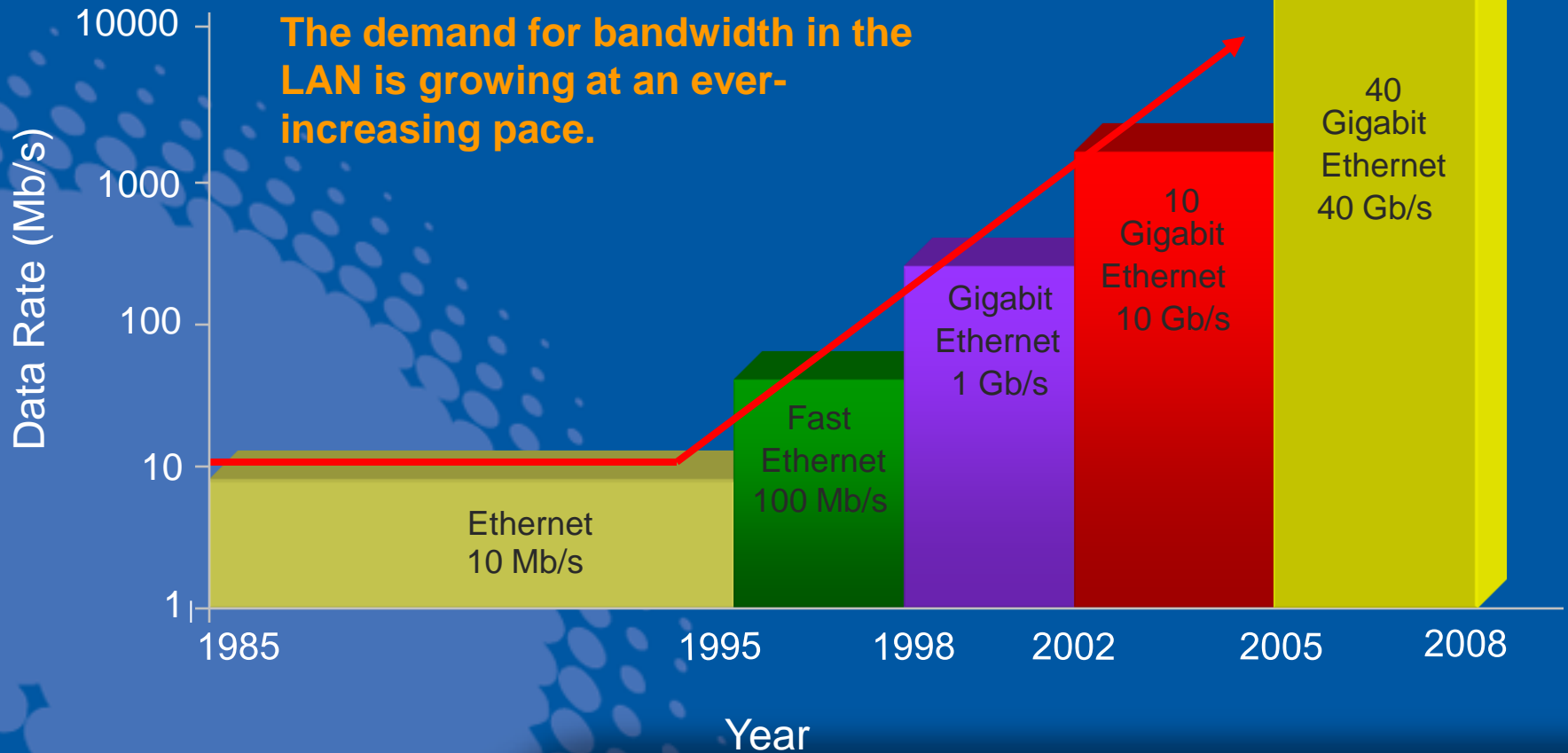
- FiberOptic.com proudly offers preventative service and maintenance programs that can be tailored to any customers needs.
- Routine preventative maintenance is the key to reliability and longevity of your system.
- Upon the acceptance of a network audit/review, FiberOptic.com will custom tailoring a maintenance program to meet your individual needs.



Maintenance - Advantage

Characteristic	Description
Dirty Connector	Dirty connectors cause fiber failure. We inspect and document your connectors.
Modal Dispersion	Multimode has distance limitations. We will test and measure your links.
Macro Bends	Fiber bends cause loss. We will use OTDRs to measure loss and identify bends/attenuation.
Fiber Break	Documentation is CRITICAL. We provide reports necessary in case of a failure.
Degradation over time	Annual Reports/Benchmarks. We allow you to be preventative rather than reactive.
Bandwidth	Know your limitations. We will certify your fiber at different speeds.

Bandwidths - Increasing



Warranty

- Three (3) year warranty on all fusion splicing work performed.
 - We provide a full 3 year warranty for ALL of our fiber optic fusion splicing to assure customers they have received the best service available.

Customers

- **Work performed**
 - **United States (Government)**
 - White House (US Gov)
 - United Nations Building (New York)
 - **United States**
 - Cable Vision
 - Comcast
 - California (DOT)
 - **International**
 - Iraq
 - Dominican Republic
 - Suriname

Thank you!

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