

# Market Data Provider Implements Updated Ethernet over SONET WAN Network



COMPANY:  
Market Data Provider

INDUSTRY:  
Financial Services

SIZE:  
Fortune 500

## The Challenge

This market data provider is one of the leading brokerage companies for wholesale financial markets and commercial real estate domestically and around the world. With over sixty sites that needed access to diverse data centers, this customer required a unique data network with reliable and low latency connections to other financial institutions.

The legacy solution of a bonded T1 network was underperforming as remote offices were experiencing increasing slowness and frequent connection outages caused by the aging copper infrastructure and limited bandwidth links.

It was decided a new network was required to increase the speed and reliability of the connections. To do this, the network would need to be delivered via fiber and speeds needed to range from 10Mb to 100Mb.

## About Us

American Telesis is a WAN solutions provider who works with financial firms, health care systems, broadcasters and small to medium size businesses.

Our customers have come to us looking to soothe the frustrations of underperforming networks and concerns stemming from network accessibility in the event of a disaster.

We have been solving customer network issues since 1992. We strive to change the way you **view** telecom and IT.

For more information, please visit us at [www.American-Telesis.net](http://www.American-Telesis.net).



## American Telesis **Solutions**

- Ethernet over SONET circuit delivery
- Project management for delivery of complex networks into remote sites
- Redundancy and network resiliency with a Layer 2 implementation
- Remote network monitoring with proactive notification of any issues in the network

## The Result

After the Market Data Provider put out an RFP, American Telesis was selected because we were able to tailor a solution to meet this MDP's exact needs. This included the ability to scale the network into each remote site, the ability to deliver Layer 2, the ability to provide redundancy into remote financial institutions and provide robust NOC service.

American Telesis utilized Ethernet over SONET to connect 60+ remote locations to multiple data centers. The use of EoS allowed for lower latency which improved application performance and, with the addition of constant network monitoring, American Telesis could quickly identify problems and in some cases, identify them before an outage occurred.

Layer 2 Ethernet allowed for easier upgrades. Limited network interruptions for upgrades allowed them to manage the costs of their network with greater efficiency, and the use of fiber delivery provided a more reliable connection. The constant network monitoring by American Telesis decreased the pressure placed on the customer's IT staff which allowed them to perform other tasks, ultimately saving the firm money.

## Customer **Benefits**

- These network improvements allowed this MDP to make changes that put them at the forefront of their industry
- Increased connectivity speed
- More reliable connections
- Proactive notification of issues or outages
- Affordable network costs
- Decreased IT staff pressure



Market Data Provider American Telesis Solution Summary

Goal	Legacy Solution	American Telesis Solution	Result
Connect 60+ sites and multiple data centers with reliable and low latency connectivity	Bonded TDM T1 delivery	Managed Layer 2 network using Ethernet over SONET	Faster, robust and diverse network
Reduce outages	Copper failure in the last mile	24x7x365 proactive monitoring and alarming	Eliminating copper has eliminated most outages
Scalable network	Bonded T1's	Ethernet allows easier upgrades	Dispatches to remote sites
Efficiently manage network costs	nxT1's become expensive and require dispatches to upgrade routers	Reduce hardware dispatches	Ethernet actually begins to decrease costs
Reduce IT staff pressure	Many copper connections and T1 cards in routers	Provide managed network and 24x7 network monitoring	IT staff focused on supporting next generation tools that grow the business rather than supporting legacy systems

