

MFS DATANET

NETWORLDSM + INTEROP[®] 95
NI +

Booth #1326

MFS Datanet Corporate Headquarters

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With the emergence of distributed computing environments, exploding desktop processing power and multimedia applications, increasingly more and more bandwidth is needed for local, metropolitan and wide area networking. In fact, MFS believes that by 1996, more than half of all business telecommunications traffic will be data, not voice.

MFS Datanet offers advanced data communications services and was the first company to make high-speed local area network (LAN) and computer connectivity services commercially available in the United States.

MFS Datanet implemented the world's first operational Asynchronous Transfer Mode (ATM) network, providing solutions for a new, wide range of advanced high-speed data communications applications.

MFS Datanet's ATM services are available today on a metropolitan, national and international basis. MFS Datanet makes it easy for customers to realize the benefits of ATM technology by offering interface-to-interface

connectivity and expert network management. Users avoid the technical and financial risks of multi-vendor-supplied systems. No other company offers these supplied systems. No other company offers these solutions on such a broad, geographic basis—or makes it so easy.

MFS Datanet's service offerings include:

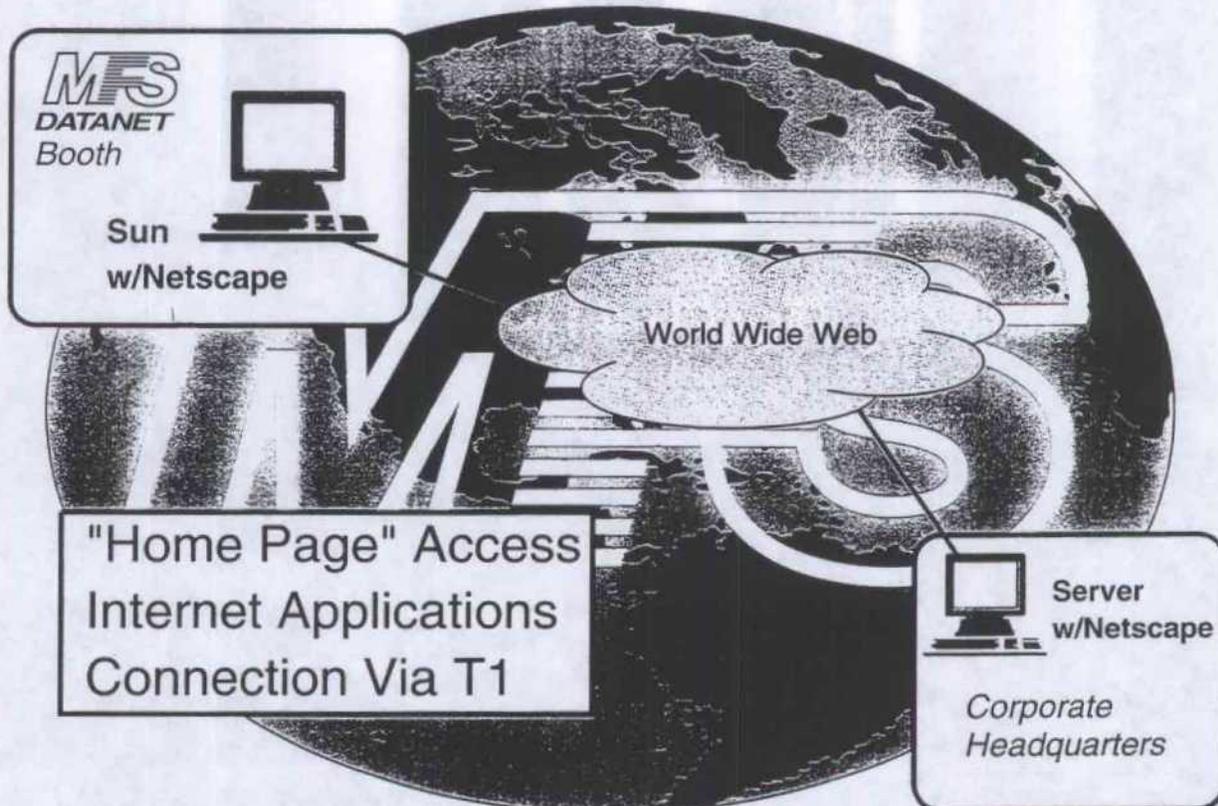
High-speed LAN Interconnect (HLI) Services...

provided at full-native speed—or at any speed you need—for Ethernet, Token Ring and FDDI networks within and between your business centers.

Frame Transport Services (FTS)...

the first Frame Transport Service provided over an ATM backbone. FTS provides speeds up to 6 Mbps and a smooth migration strategy to ATM services, and because FTS utilizes a 45 Mbps ATM backbone, there is less congestion and lower latency than traditional frame relay services.

World Wide Web Interconnection



MFS Datanet will be showing its home page over the World Wide Web (WWW) during the Network + Interop exhibition to provide you with more information about MFS. The WWW weaves information services and Internet resources together while allowing the user to navigate via "hypertext" technology. The "home page" is the initial view a web browser sees upon connecting to the web. MFS Datanet URL address is <http://www.mfsdatanet.com>.

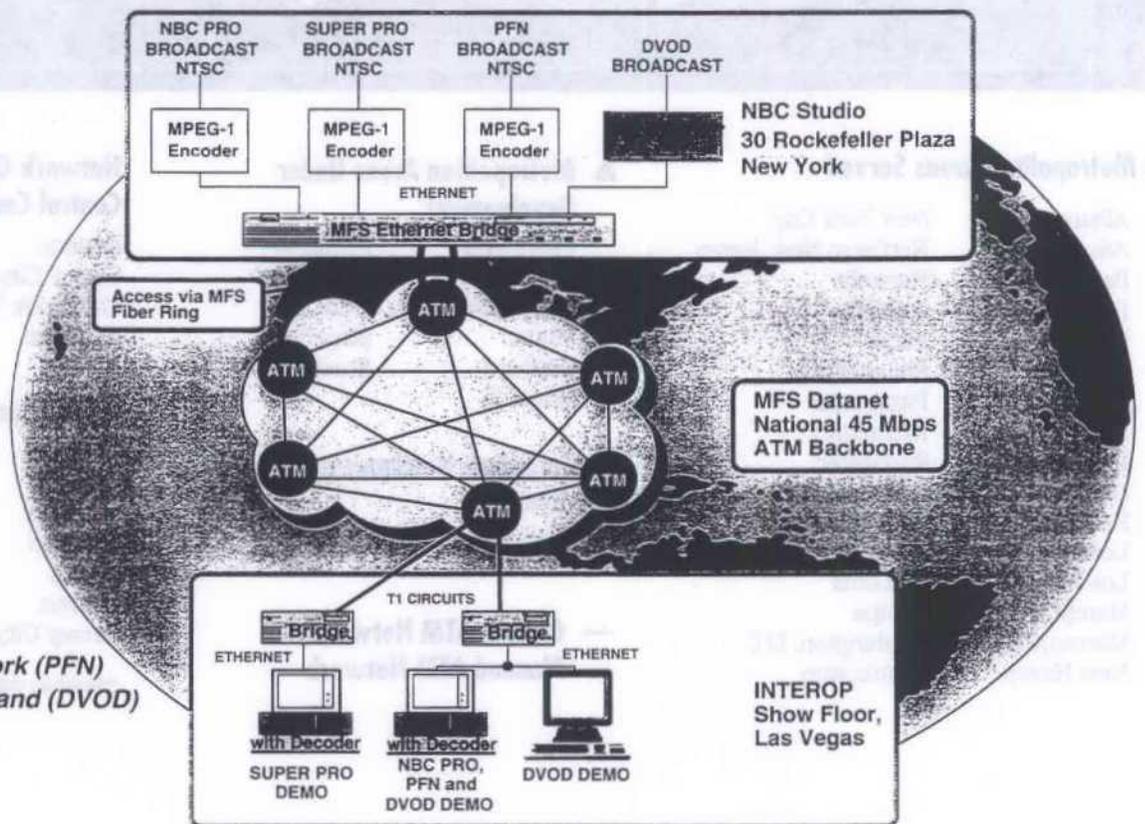
NBC Desktop Video

Market moving events such as congressional hearings, analyst meetings, shareholder events, natural disasters and other breaking national and international stories are of interest to the financial community, since it may affect the performance of their investments. NBC Desktop Video saw the need to distribute this content as unfiltered information in the form of real time video and multimedia news clips directly to the desktop. This application will also allow subscribers to have on-demand video, retrieving items previously broadcast at their leisure. In order to do this, the applications requires a high bandwidth network, capable of multi-casting this information to various workstations around the country and internationally.

In response to this increasing demand for such services, NBC Desktop Video created three products: Private

Financial Network™ (PFN), NBC Professional™, and NBC Desktop Video On Demand™. NBC Professional focuses on live coverage of market moving events, and PFN covers long form financial presentations such as Regional Brokerage Conferences and CEO interviews. With NBC Desktop Video On Demand, subscribers have the ability to recall live coverage, as well as retrieve previously broadcast stories, directly to the PC on their desk.

NBC Desktop Video chose MFS Datanet's High-speed LAN Interconnect (HLI) Service to deliver their applications. MFS Datanet's fiber optic network uses the most technically advanced and innovative technology to provide up to native LAN speed interconnection seamlessly and easily. Inherent in MFS Datanet's unique network is the ability to multi-cast information to major cities nationwide and internationally.

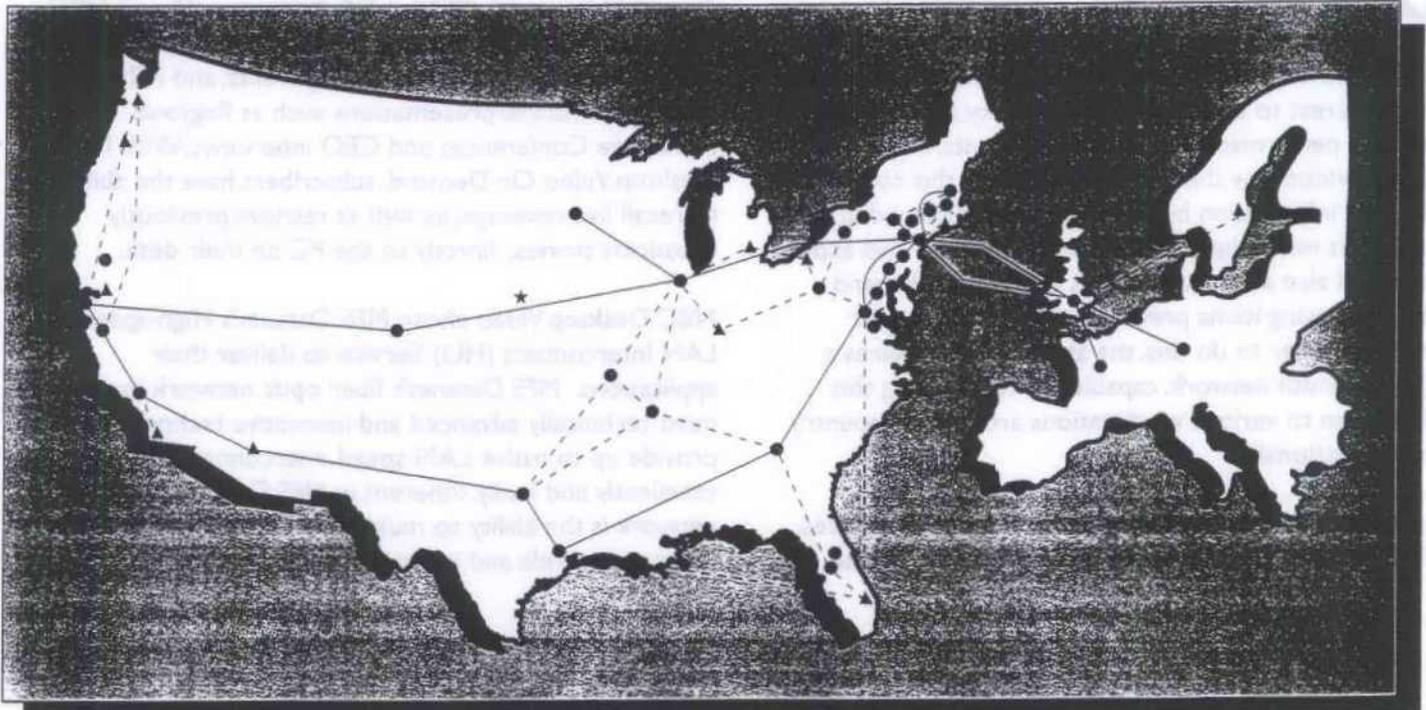


Services Demonstrated:
 NBC Professional
 NBC Super Pro
 Private Financial Network (PFN)
 Desktop Video on Demand (DVOD)

Each desktop must be equipped with a PC utilizing a 386/SX processor or higher, with a minimum of 4 Mb of RAM and 8 Mb of available hard disk space. DOS v5.0 Windows and Unix operating systems can all be supported on this application. Video and sound decoder cards and a VGA monitor are also required. This PC must also be connected to the Local Area Network (LAN) at their location. The video clips are delivered directly from the MFS network to the subscribers LAN at a speed of 516 Kbps.

The video feed originates from the NBC Desktop Video broadcast center in New York City and is transmitted over MFS Datanet's network. Multicasting of the original feed occurs at the MFS Datanet network hubs and is transmitted over Asynchronous Transfer Mode (ATM) technology to subscribers in cities nationwide. ATM allows for high speed, low latency delivery of information—which is critical when delivering video services.

Network Platform Map



● Metropolitan Areas Served

Albany	New York City
Atlanta	Northern New Jersey
Baltimore	Norwalk
Boston	Orlando
Buffalo	Paris
Chicago	Philadelphia
Dallas	Pittsburgh
Denver	Richmond
Frankfurt	Rochester
Hartford	Sacramento
Houston	San Francisco
London	San Jose/Silicon Valley
Los Angeles	St. Louis
Memphis	Tampa
Minneapolis	Washington, D.C.
New Haven	Wilmington

▲ Metropolitan Areas Under Development

Cleveland	Portland
Detroit	San Diego
Indianapolis	Seattle
Miami	Stamford
Oakland	Stockholm
Phoenix	

★ Corporate Headquarters

Omaha

— Current ATM Network

-- Planned ATM Network

Network Operations Control Center

London
Jersey City
Oakbrook Terrace
San Jose

Switch Locations

Atlanta	Los Angeles
Boston*	Miami
Buffalo	San Francisco
Chicago	Seattle*
Dallas	St. Louis
Detroit	Washington D.C.
Jersey City	

*Switches will be operational Q1-Q2 1995

MFS Datanet is an operating company of MFS Communications Company, Inc. (MFS). MFS is a leading provider of communication services for business. Through its operating companies, MFS provides a wide range of high quality voice, data and other enhanced services and systems specifically designed to meet the requirements of business and government customers. MFS now provides service or has operations in development in 46 metropolitan areas, representing 132 business markets. MFS' common stock is traded on the Nasdaq National market under the symbol MFST. MFS is headquartered in Omaha, Nebraska.

MFSTM

Datanet, Inc.

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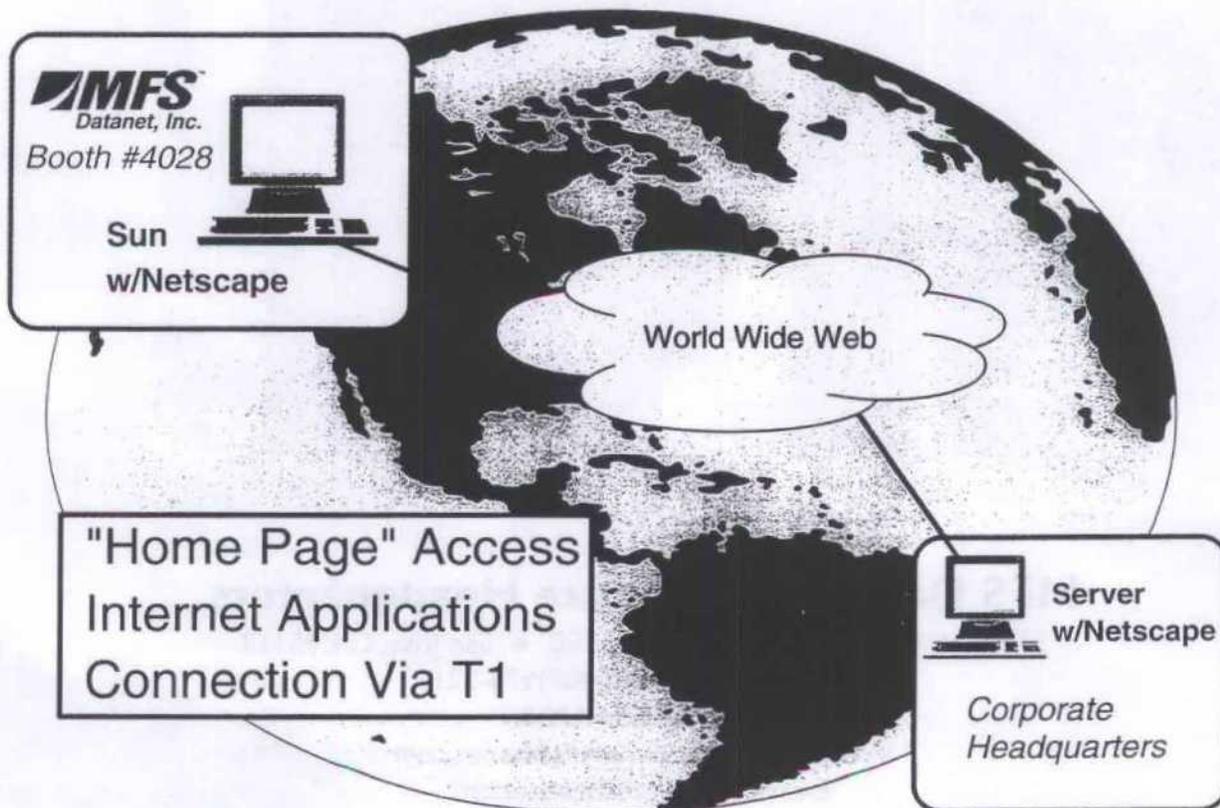
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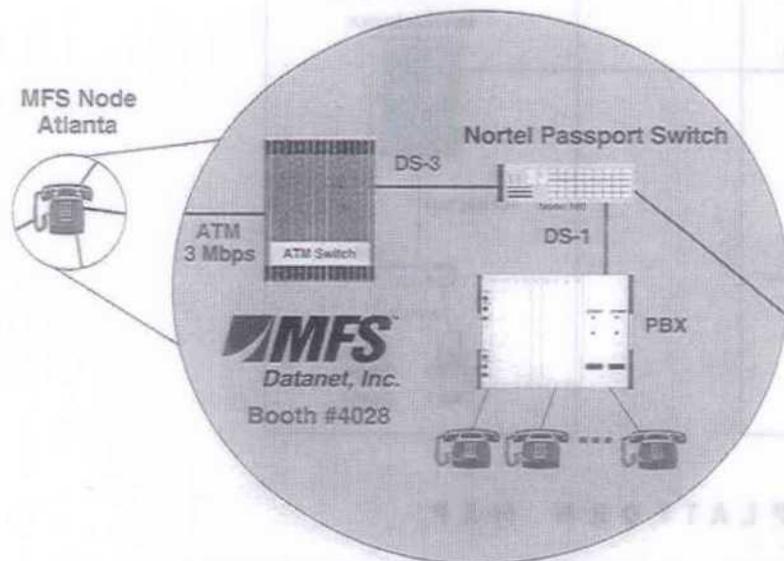
WIDE AREA VOICE EXCHANGE (WAVE)

On August 21, 1995 MFS announced the first integrated data/voice over ATM service delivering the full range of capabilities for which ATM was designed. Leveraging voice over ATM technology, MFS introduced

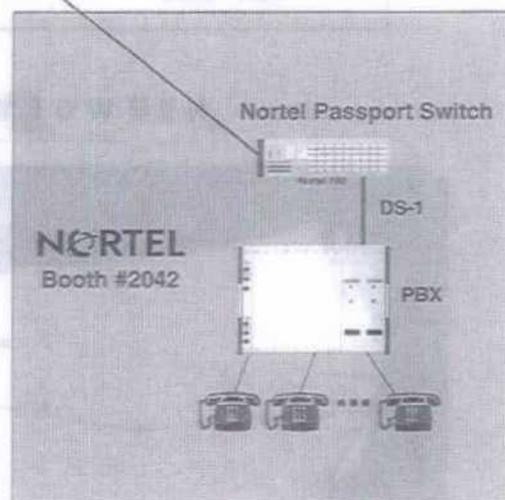
Wide Area Voice Exchange (WAVE) for those requiring an integrated alternative to separate data, voice and video networks.

WAVE APPLICATIONS

- Customers with data networks who need voice to the same business locations
- Quality Voice over ATM provided as a dedicated circuit - PBX link, or tie-line
- Types of customers:
 - Financial Services
 - Professional Services (legal, accounting, engineering)
 - All Voice and Data Users



ATM
OC-3



Variable Bit Rate (VBR) voice service over MFS Datanet's National ATM Network

MFS Datanet's WAVE service offers the first Variable Bit Rate (VBR) voice service over an Asynchronous Transfer Mode (ATM) network. With WAVE, you are able to consolidate multiple data and voice networks, thereby reducing network capital and operating costs via a fully managed end-to-end service. Network management and maintenance services are included.

WAVE services from MFS Datanet provide an easy, cost-effective method of interconnection for data and voice traffic in a metropolitan area or across the nation.

- WAVE is quality voice over ATM.
- Customer connects PBX and LAN interface directly over the same network.

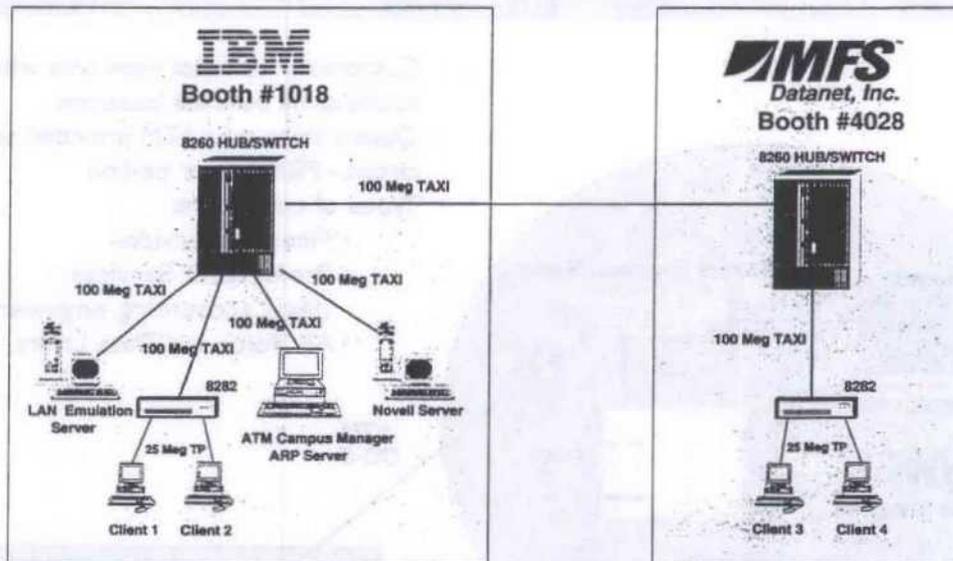
WAVE Service Technical Specifications:

Variable Bit Rate (VBR) virtual circuits, Dynamic Bandwidth Management, Trunk Reroute Capability and Dynamic Call Re-routing, Silence Suppression and Speech Activity Detection, Multi-Echo Cancellation, and Compatibility with certified customer's PBX equipment. The customer supplies the PBX connection and LAN interface at MFS Datanet's point-of-presence (POP) at each building location and MFS does the rest.

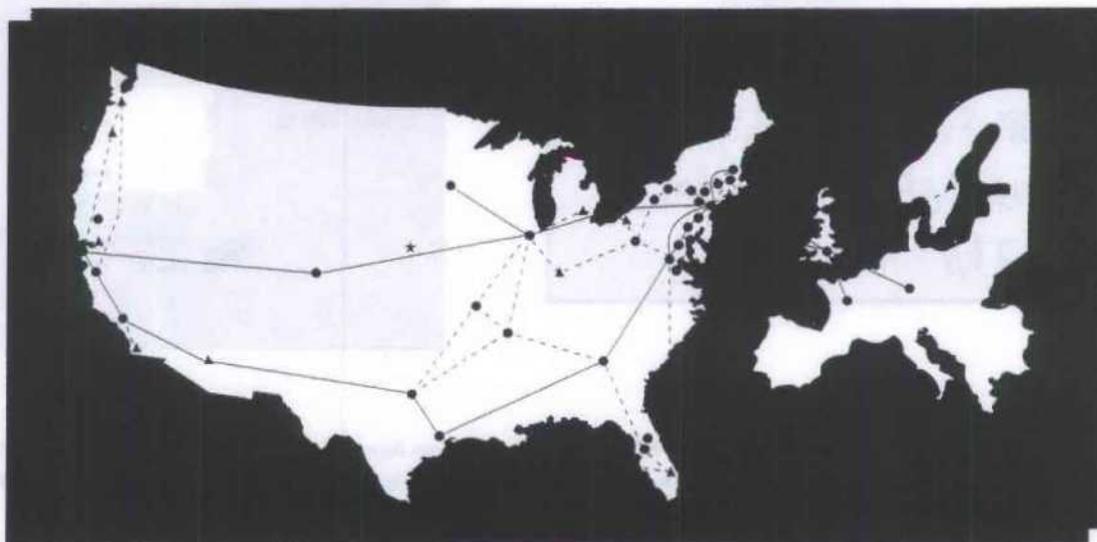
THE MFS/IBM DEMONSTRATION NETWORK

MFS and IBM have teamed together to build an ATM Demonstration Network illustrating how ATM technology can cost-effectively support today's most critical network applications. ATM Network Services of MFS and Switched Virtual Network Technology of IBM allow an enterprise to turn-up new network applications quickly without investing in new

wiring in offices or costly, low-performance private lines for the wide area. The goal of our MFS/IBM Demonstration Network Project is to work together with our customers to demonstrate the interoperability and scalability of ATM networks in the premise and over the wide area and to determine how this performance advantage can most benefit the end users.



NETWORK PLATFORM MAP



- Metropolitan Areas Served
- ▲ Metropolitan Areas Under Development

- ★ Corporate Headquarters-Omaha
- Current ATM Network
- Planned ATM Network

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