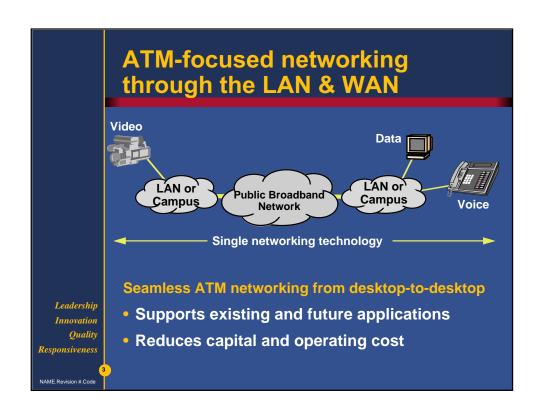


The FORE Systems - Nortel Partnership

Presentation Objectives:

- 1. Partnership Goals & Benefits
- 2. FORE & Nortel: Leading the ATM Networking Convergence
- **3. FORE ATM-based Customer Applications**
- 4. The Reality of ATM: Check-points and Considerations

Leadership Innovation Quality Responsiveness



Providing industry-best integrated solutions for ATM networking...





- ATM WAN & carrier grade switching
- First to deliver carrier-grade **SVCs**
- ATM evolution for legacy services
- ATM LAN & ATM WAN access networking
- World-wide leader in ATM CPE
- Best-in-class LAN ATM features
- devices

Leadership Innovation Quality Responsiveness

End-to-end solutions through partnership

The Nortel - FORE Systems ATM Networking Advantage

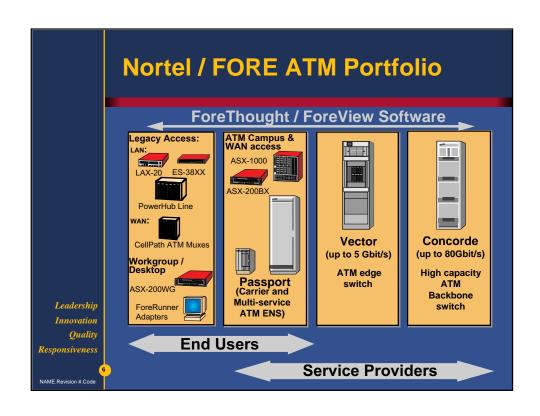
- Seamless ATM networking to the desktop
 - enabled by common software:

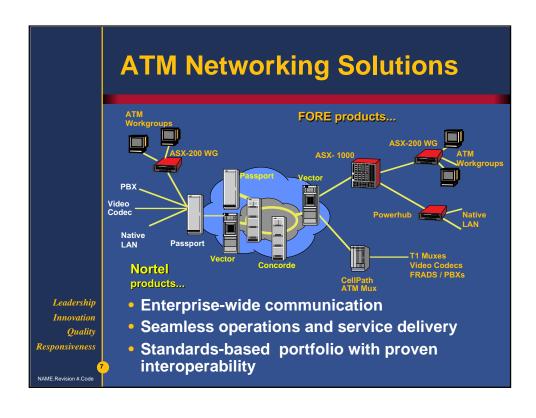
ForeThought & ForeView -

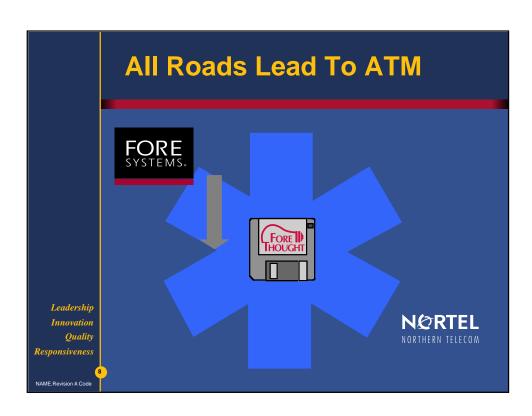
integrated <u>into</u> Magellan software, and across the *ENTIRE* network

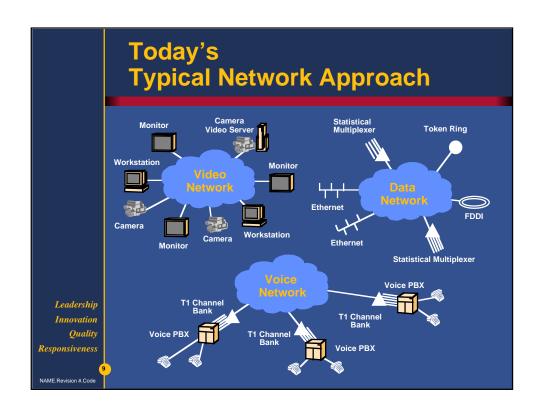
- Advanced ATM features SVCs, signalling, traffic management
- True interoperability and full feature transparency

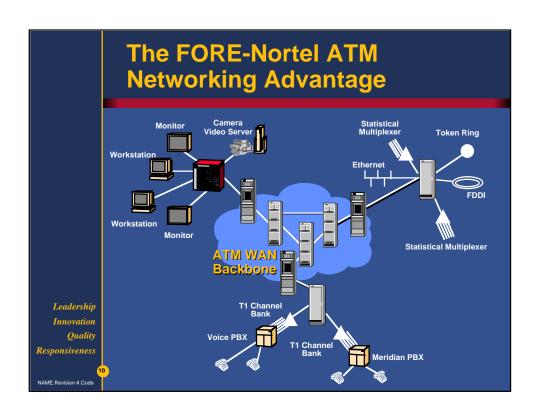
Leadership Innovation Quality Responsiveness









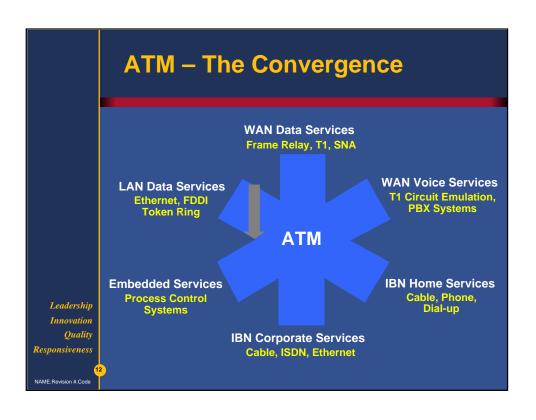


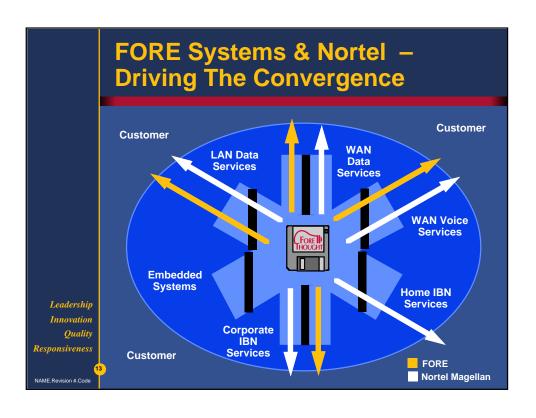
The Benefits of ATM

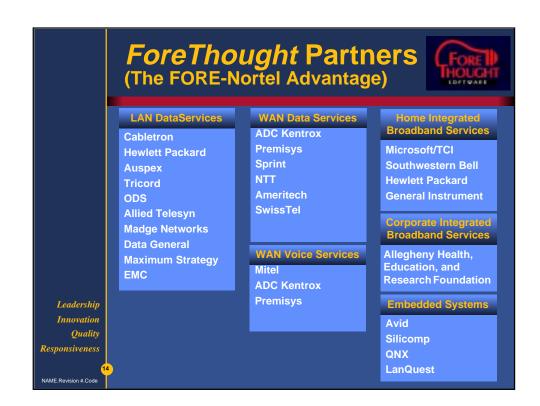
- Improves performance of existing applications
- Integrates voice, video and data networks
- Enables new applications
- Easily accommodates future growth

Leadership Innovation Quality Responsiveness

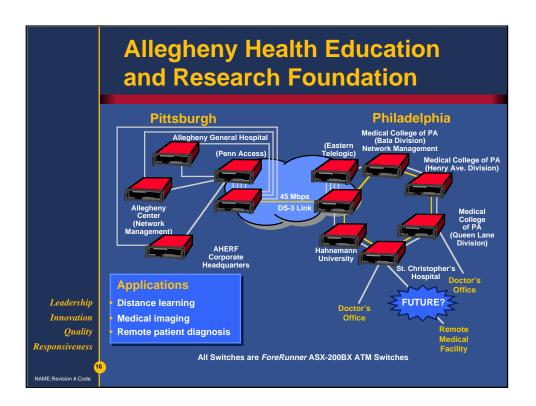
ATM increases productivity and saves money







FORE ATM-based Customer Applications Leadership Innovation Quality Responsiveness MAME Revision # Code



Business Problem/Opportunity

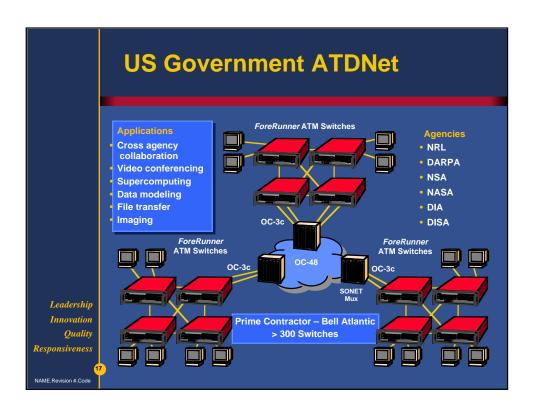
- Need for training/education across many hospitals
- Need for multiple expertises at each hospital

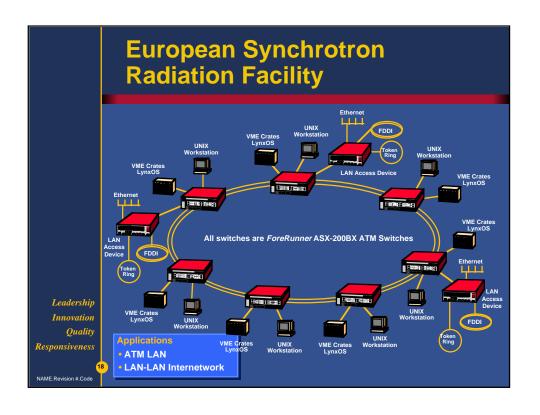
Limitations of previous solution

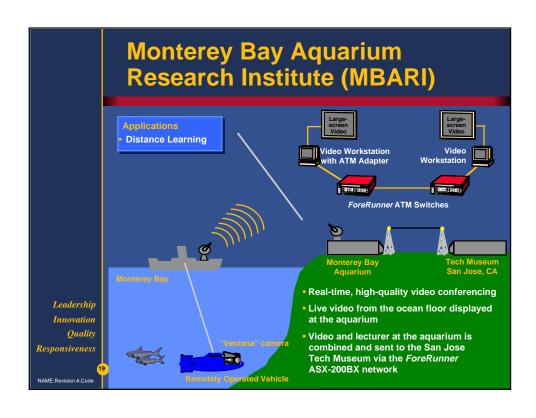
- Minimal remote learning
- Each hospital has a few areas of expertise

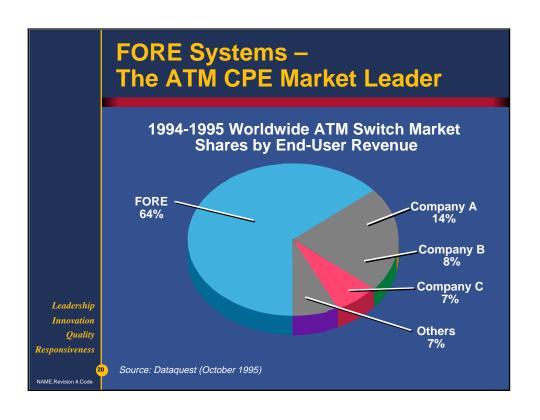
Key requirements for new networks

- Large, dedicated bandwidth
- High quality real time video (multicast)
- Guaranteed QoS









The Reality Of ATM

Decision Checkpoints:

- Standards
- Interoperability
- Network Management
- Cost of Ownership

Leadership Innovation Quality Responsiveness

The Reality Of ATM: ATM Forum & ITU-T Standards

	FORE-Nortel
Standards Parameter	Status Compliant
Physical Layer Interfaces	defined 🗸
ATM Layer Specifications	defined 🗸
ILMI Specification	defined 🗸
LAN Emulation 1.0	defined 🗸
UNI 3.0 Signaling	defined 🗸

Leadership Innovation Quality Responsiveness

IAME Devictor # Onds

ForeThought – The Value-Added

Features

- Bandwidth management
- "Per application" QoS
- IP multicast over ATM
- Distributed intelligence
- Intelligent VLANs at multiple protocol levels
- ForeThought PNNI

Leadership Innovation Quality Responsiveness

NAME Devictor # Octo

The Reality of ATM: ATM Interoperability

Cer

FORE TIFIED - FORE-Nortel Interoperable

AT&T

DEC

Lucent

Hewlett-Packard

Fibercom

Stratacom

IBM

Fujitsu

TRW

Cabletron

General

Bell Atlantic

DataComm

MFS Datanet

Cisco

GTE

Pacific Bell

NetEdge **ODS**

Newbridge

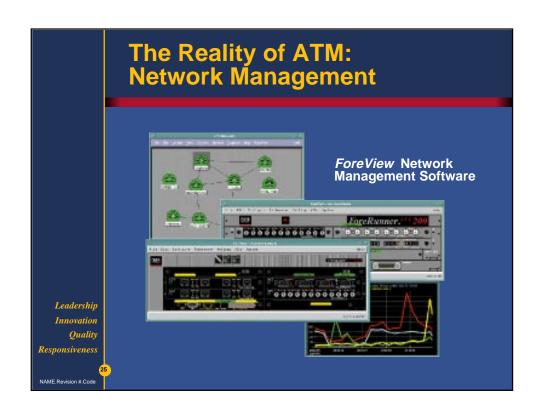
Sprint

ADC Kentrox

WilTel

Quality Responsiveness

Leadership



ForeView Network Management

Capability

- Network discovery and mapping
- Inventory management
- Virtual circuit tracing
- Performance monitoring
- PVC and SPVC configuration

Compatability

- HP OpenView
- SunNet manager
- IBM NetView/6000
- WindowsNT
- Standalone version

Leadership Innovation Quality Responsiveness

The Reality of ATM: The Cost of Ownership

Where are the Savings?

- Cost/Capacity: switch vs. router
- Cost for Services: ATM WAN vs. conventional
- Elimination of overlay networks
- Elimination of multiple links between nodes

Leadership Innovation Quality Responsiveness

ATM is the most economical way to increase network capacity and services

The FORE-NORTEL Partnership: The New Realities of ATM • Standards — ATM Forum defined Cer • Interoperability — FORE^TIFIED ForeThought Partners • Network — ForeView NMS management • Cost of ownership — Demonstrable savings & improved productivity

