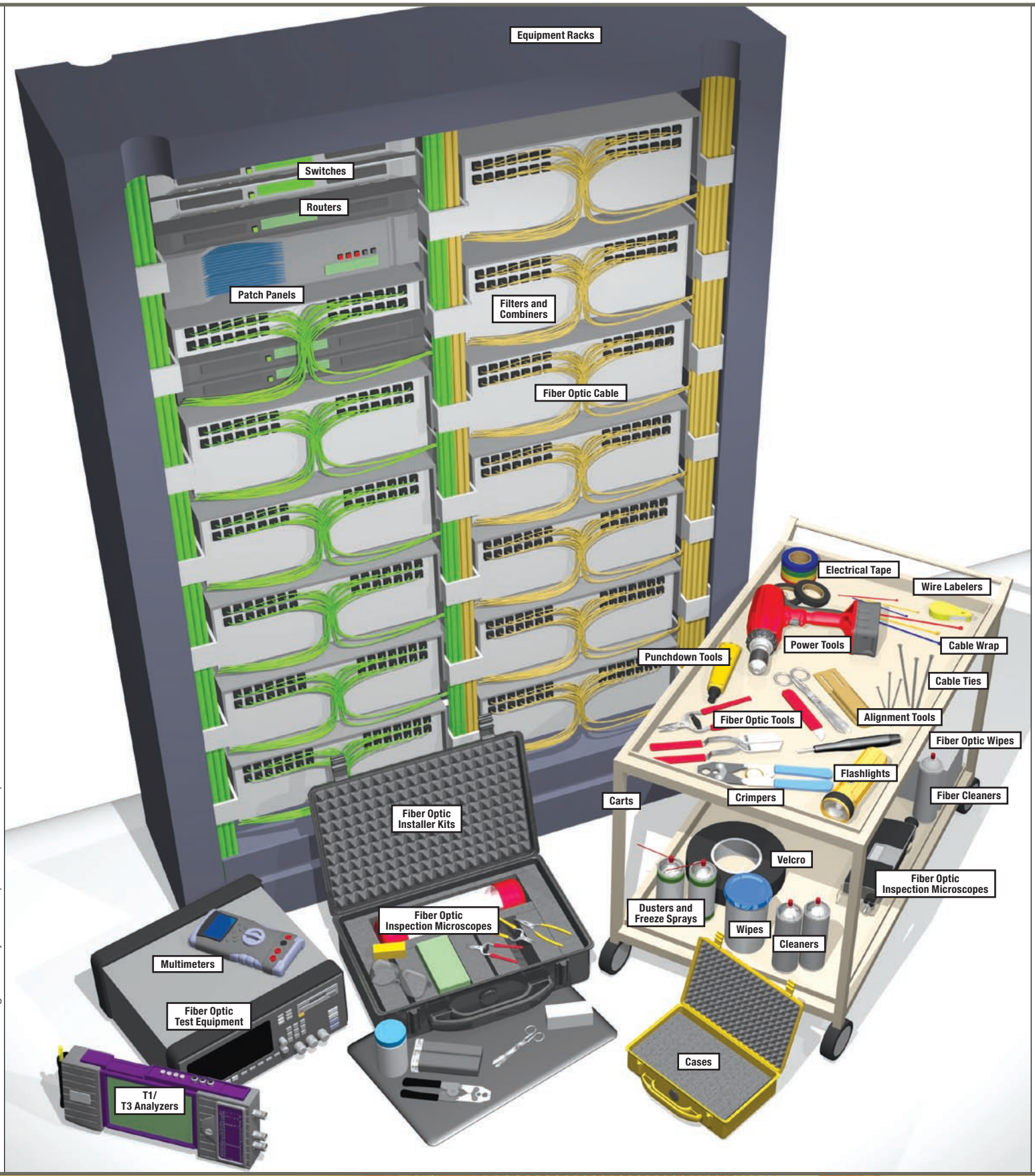
TESSCO

Solution: In-Building Networks

Application: Communications Closet



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SUMMARY

Disruptions to workplace communication systems damage workforce productivity and can be devastating to a business. Effective management of the quality of voice and data to the workforce or other end users is crucial for the day-to-day operation of today's businesses. This requires a centralized system.

A communications closet houses all voice and data electronics equipment in one place. A connection point for each wire in a horizontal cable run is terminated in this room. In today's work environment these rooms are overseen by Management Information System (MIS), Information Technology (IT), or Data Processing (DP) departments.

FEATURES

- A dedicated, environmentally suitable, and secure area
- Planned wiring that can be maintained and upgraded in the most productive and cost-effective way
- Multiple configurations of either rack-mounted, floor-standing and wall-mounted enclosure

BENEFITS

- Compliance with recommended commercial-building wiring standards, such as EIA/TIA-569, for centralized and distributed voice, data and video systems
- Centralized location for management and maintenance
- Easy, effective deployment of advanced network services like video conferencing, video surveillance, and voice over I

REAL WORLD EXAMPLES

Situation: A major enterprise customer needed to provide uninterrupted data service throughout its operation.

Problem: The customer was experiencing costly problems like lock-ups and failed call lights during their weekly generator tests. This weekly test often required a technician to enter the data center and restart the system. This left the network unavailable while equipment came back on line.

Solution: TESSCO discovered that their existing, outdated UPS was responsible for the outages and other problems. TESSCO engineers designed a new UPS system that was able to filter surges and dirty power during the critical first minute of generator switchover. This allowed the generators to stabilize and power the equipment. The test-related issues were eliminated.

Situation: A small distribution center in a remote area needed to be monitored 24 hours a day for security purposes.

Problem: The site is unoccupied at night and the closest police department is 30 minutes away.

Solution: Remotely monitored IP cameras were installed in the communication closet and the warehouse. PTZ (pan-tilt-zoom) cameras were used. They can be controlled manually when necessary, but are automated to regularly sweep the site. Operators are alerted via e-mail if movement is detected in the camera's field of view.

ADDITIONAL CONSIDERATIONS

- Are you retrofitting or designing a new layout?
- Are you adding to existing equipment or upgrading?
- What type of cable is being installed: fiber, UTP, TP, Cat5, Cat5e, Cat6, Cat6e?
- What type of connectors are being installed: RJ11/12, RJ45, gel cap, coax, compression, fiber optic ST/SC?
- Do you need a 66, 110, BIX or Krone punch down block?
- What product identification number (PID) is assigned to the specific item in configuration?

PRODUCTS

- Equipment racks
- Uninterruptible power supplies (UPS)
- Termination blocks
- Patch panels
- Fiber termination units
- Ground bars
- Premise wire and cable
- Cable management systems
- Multiplexers
- Routers
- Switches
- Surveillance cameras