Federal Records Center Expansion

Overland, Missouri

Project Description:

While complex voice and data networks are becoming more commonplace, few clients have requirements as technically demanding as the Federal Records Center, the electronic repository for the United States Government located in the western suburbs of St. Louis, Missouri.

ACSI's Responsibilities:

When the Federal Records Center expanded into new quarters, ACSI was engaged to plan, design, and also to administer the cutover to a new communications network. This LAN seamlessly connects the various mainframe computers to PC workstations, the Center's multi-platform array of printers, scanners, and other peripheral equipment. ACSI designed the facility's new electronic security systems, the sound reinforcement system, teleconferencing terminals and a new electronic PBX telephone system.

ACSI assisted the architect in developing a modification plan, which included the establishment of TEMPEST shielding and security system boundaries. ACSI helped to develop the Computer Center's under-floor cabling and utilities management plan, and developed a suitable data processing center cutover plan. ACSI's services further included the planning and design of copper and fiber-optic riser systems for the facility, as well as horizontal wiring to support a multiplicity of communications standards, including the application of DES1 and DES2 encryption.

Several components of ACSI's systems were incorporated as key architectural design points for the Center, including the security center, constructed at the facility's main entrance, where various sub-systems are integrated and monitored information presented to the facility's staff, and also the system of terminals suspended above the Center's atrium, which convey information and alerts to offices on each level.