



Medical Communications Design and Consulting Services

Spaces

- Operating rooms
- Interventional and intra-operative surgical and diagnostic suites
- Gastroenterology, pulmonary, cardiovascular and pathology labs
- Simulation centers
- Radiology reading rooms
- Patient room-entertainment systems
- Research labs
- Electronic intensive care units (EICU)
- Academic facilities such as lecture halls, classrooms, performance spaces and computer labs
- Business facilities: conference rooms, video conferencing rooms, boardrooms and auditoriums
- Video and audio production facilities and control centers

Audiovisual

- Projection and large flat screen displays and data walls
- Video and audio-conferencing systems
- High- and standard-definition video distribution systems (copper, fiber and network)
- Video and audio asset management and recording, storage, and archive systems
- Interventional and intra-operative imaging signal distribution systems
- Audio intercom and paging systems
- Control systems
- Graphical interface design and programming
- Product and application development

Telecommunications

- Data and voice distribution infrastructure design (copper and fiber)
- Telecommunications grounding systems
- Data center, computer room, MDF, IDF design and layout
- Service entrance design and layout

Networks

- WAN and LAN design
- Wireless networks (conventional and meshed)
- Videoconferencing bridge and gateway design (ISDN and IP)
- Multimedia network design



Our Services

Acoustics

- MRI and imaging modality noise control and decoupling
- Vibration analysis and remediation
- Architectural base-building design
- Videoconferencing and conference room noise-criteria evaluation
- Sound reinforcement and performance environments
- Privacy assessment

Lighting

- Consulting and design from concept through completion
- Verify appropriate lighting for all visual applications
- Lighting equipment layouts and written specifications
- Support of code compliance
- Evaluation and selection of user control systems
- Contractor interface throughout installation

Telemedicine

- Remote and local site design
- WAN and LAN bandwidth assessment
- System security assessment

HIPAA

- Audiovisual compliance gap assessment and remediation
- Acoustical compliance gap assessment and remediation
- Audiovisual and network media distribution HIPAA policy development

Documentation and Deliverables

- Technology reports, needs analysis and system programming reports
- Audiovisual and telecommunications architectural facility and electrical drawings
- Base building requirements document
- Audiovisual system drawings (wiring and block flow diagrams)
- Network topology maps
- Budgets, bill of materials/equipment and performance specifications
- Reports of acoustical requirements and recommendations
- CAD details of acoustical partitions, isolation floors and ceilings