

Technology Planning and Design

Hospitals **K - 12 Schools** **Community Colleges** **Universities**
Municipalities **Program Management** **State Institutions** **Commercial Properties**

Edmonds Technology Planning addresses project technology and low-voltage systems requirements, develops budget estimates, issues CSI specifications, tightly coordinates with your design team, and assists with system selection and device placement.



Structured Voice & Data Infrastructure:

- Underground building entrance and outside plant conduit & cabling
- Conduit, cable tray, j-hook pathways above ceiling and wall penetrations
- Location and specification of voice / data outlets and their back-boxes, conduit and connectivity
- Telecommunications room design of backboards, equipment racks, ladder racks, and cable management coordination with others for power, cooling and fire protection.

Electronic Physical Security:

<i>Access Control</i>	<i>Infant Protection</i>	<i>Intrusion Detection Systems</i>	<i>Intercom</i>
<i>Video Surveillance</i>	<i>Area of Refuge Communications</i>	<i>Duress (Panic)</i>	<i>Emergency "Blue" Phones</i>

- System recommendation / consulting if the Owner is replacing or purchasing system with new technology
- Detailed coordination with access control door hardware *prior to construction documents* to minimize contractor-led door hardware coordination meetings and revisions during construction
- Video surveillance design ranges from the complex, such as specifying exact cameras, lenses, views, expected pixels-per-foot of resolution, frames per second of recording, bandwidth calculations, and server / storage specification, to the simple, such as utilizing Owner's guidelines to place cameras and working with the Owner's preferred vendor
- Detailed, coordinated infrastructure for parking lot, pole-mounted cameras, card readers for parking lot gates, and perimeter fence protection

Culture of Execution

BIRMINGHAM **HUNTSVILLE** **JACKSON** **NASHVILLE** **TUSCALOOSA**



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Why Include Technology Planning on your Team?

- Focus is on the end-user experience
- Emerging technology demands of end-users are addressed early and are part of the design planning
- Manage Technology Budget and Owner vendors
- Vendor-neutral assistance with Owner Furnished Equipment (OFE) and systems selection and procurement

Benefits for Owners:

- Mitigates redesign, change orders and construction delays, thereby saving time and money
- Project runs smoother by Edmond's coordination with Architect and GC
- Project runs smoother by vetting of potential owner vendors
- Keeps the project within owner's budget
- Frees the owner stakeholders up to focus on their core business

Benefits for Architects:

- Early involvement in design phase, focused on the needs of the end users, resulting in an optimally designed and purposeful facility
- Project schedule is kept on track with unified document set, conforming to architect deadlines
- Expert assistance in user meetings to guide the Owner to good technology decisions before CD's.
- Proactive technology coordination with architect
- Communication room locations and specifications decided earlier in project resulting in fewer revisions during construction
- Design coordination of communication room electrical and mechanical requirements resulting in reduction or elimination of costly redesign, RFI's, and change orders
- Proactive design coordination of power requirements and hardware for access controlled doors, and security cameras

BENEFITS FOR EVERYONE

Fewer revisions. Fewer headaches. Smoother Projects!

Clients & Recent Projects Include

Community Health Systems
Social Security Administration, Jackson, MS
Brentwood Public Safety Building
Metropolitan Nashville Airport Authority

Tennessee School for the Deaf
Tennessee School for the Blind
White House Community Center
Page High School

Brentwood High School
Trousdale County Elementary School
Poplar Grove Performing Arts Center & Gymnasium

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Nurse Call & Code Blue, Real Time Locating Systems:

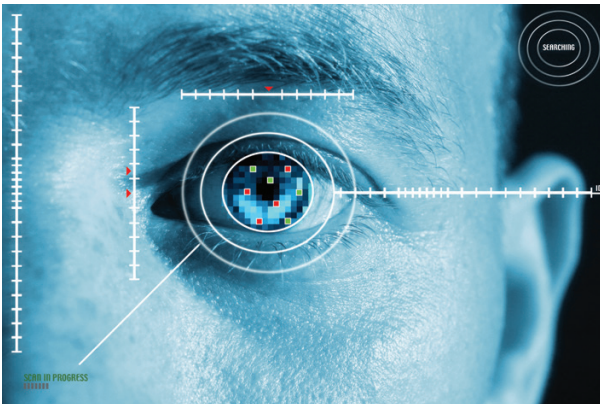
- System recommendation / consulting if the Owner is purchasing new technology
- Experience with or knowledge of all the major brands
- Suggest work-flows to maximize monthly labor savings, increase HCAHPS scores, and minimize capital expenditure

Additional Design Services:

- Public Address Systems
- Televisions & Related Systems
- Overhead Paging
- Conference Room & Classroom Audio/Visual
- Synchronized Clocks
- Design Facilitation of Distributed Antenna Systems

“ In the planning and design of healthcare facilities, the integration of technology has become more and more critical to the success of the end product. It is imperative to have team members that understand the function and application of this technology as a project is developed. Joe and his team consistently deliver that knowledge and are sensitive to the functional goals that we strive for on each project.

- John Ketenbrink *LMH Architecture*



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