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A Guide to Technology Planning for Healthcare Construction Projects

A carefully integrated technology infrastructure is foundational to a modern healthcare facility's success; it impacts patient care, supports staff workflow, and drives operational outcomes. Fragmented system-by-system delivery does not work. Holistic technology integration is more effective and less costly over the life of facility. Technology planning and integration for healthcare environments is Aptitude's passion. If this brief overview of our approach piques your interest, reach out so we can talk.

PHASE 1

Conceptual Planning

We work closely with owner, architect, builder, and key stakeholders to understand technology goals and needs. We also facilitate meetings with clinical, maintenance, and IT staff. This includes reviewing technology system standards, departmental workflow, potential products, and emerging technology tools. We then make strategic recommendations for a facility's technology strategy.

PHASE 2

Advisory Services

During the advisory phase we dig deeper and develop an overall technology plan. This includes collaborative planning sessions, identifying critical construction milestones, and determining the technology installation schedule. We seek to add additional value by advising on strategies for futureproofing and leveraging operational efficiency.

PHASE 3

Technology Integration

Integration is the process of bringing together multiple systems to function together more seamlessly. This is at the heart of why Aptitude was founded. The intent is to create efficiency across a built environment's campus with the following goals: reduced operational cost, improved performance, enhanced experiences for caregivers, patients, and visitors.

PHASE 4

Specifications and Drawings

Once the technology integration strategy is set, Aptitude's in-house design phase services team works diligently to create and deliver narratives, specifications, and drawings that meet all intended connectivity goals.

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PHASE 5

Procurement and Vendor Selection

Aptitude manages the procurement process and oversees trade partner services related to technology systems. We are brand agnostic when it comes to products, seeking the best solutions to meet goals and timeline at a fair price. During vendor selection we manage RFPs, meetings, , prepare subcontracts, budget reconciliation, review diagrams, and more.

PHASE 6

Project Management

When Aptitude manages the technology project, we serve as one point of contact and the liaison between all key stakeholders before, during, and after construction. Our project management role includes regular OAC updates, coordination with trade partners, providing regular cost estimates and cash-flow projections, overseeing field inspections, overseeing transition and training, and serving as the key point person ‘owning’ the technology project.

PHASE 7

Commissioning & Testing

Aptitude oversees the integration, commissioning, and testing of all technology systems. We continue to provide a detailed schedule, documentation, and coordinate with all key stakeholders during this phase.

PHASE 8

Operational Turnover

Aptitude facilitates training, operations and maintenance, and closeout process. We play a key role in the coordination of transitioning employees into new facilities. We also create a scheduled transition plan, conduct IT infrastructure assessments, complete an inventory of technology assets, coordinate with data services providers, conduct risk assessments, and create back-up plans in the event of system failure.

PHASE 9

Warranty Support

We provide warranty, maintenance, and repairs at no charge for 12 months following system acceptance, unless damage or failure is caused by misuse, abuse, neglect, or accident.

PHASE 10

Operational Support

Sometimes the need for technology systems integration adjustments surface after turnover. Therefore, Aptitude offers ongoing operational support such as additional training, structured cabling moves and adds, security camera realignment, access control schedule changes, audiovisual system changes, and building automation system changes.