Beacon
TECHNOLOGIES

CLIENT

Mission Trail Baptist Hospital
San Antonio, Texas

INDUSTRY

Healthcare

PRODUCTS

Nurse Call, Security, AV, Cabling

CHALLENGE

- Tight time-frame
- Remote vendors
- Multi-system integration
- Provider expectation management

BEACON SOLUTION

- Multispecialty User Groups
- Work-flow Consulting
- Field Management
- Centralized Negotiation
- Mobile Provider Environment

San Antonio's Newest Hospital Offers Patients & Providers a Mobile Care Environment and State-of-the-Art Security

Enterprise Electric, a preferred Vanguard Health System partner, brought Beacon Technologies to the table to manage design and implement a variety of low-voltage systems for a new hospital facility in San Antonio Texas. Working with an aggressive construction timeline of just 14 months end-to-end, Beacon was faced with the challenge of managing the expectations of a broad set of healthcare providers and the electric and general contractor. In addition, a variety of changes impacting equipment placement and system design combined with remote management required significant expertise in the area of project management.

Beacon rapidly established lines of communication with Mission Trail Clinical Staff to gather requirements and have caregivers agree to protocols and programming. With partner, *Clinical In-Service Solutions*, Beacon initiated workflow consulting to accurately program the system to reflect workflow processes. In addition local vendors with high-quality reputations were selected to support installation and work with Beacon on-site. With bi-monthly site visits and centralized price negotiation, Beacon was able to bring the project in on time and under budget.

"We've helped Mission Trail to create a mobile care environment where providers are not tied to a cart or desk in order to respond to patients," said John Cooper, Beacon's Director of Project Management & Design. "The Nurse Call solution is already proving beneficial in terms of patient satisfaction and provider management."

"The Beacon Technologies' team delivered excellent work performance at Mission Trail Baptist Hospital. The pro-active approach and attention to detail with the low voltage package were vital to the success of this project. When faced with numerous obstacles and an aggressive construction schedule, Beacon consistently demonstrated an exceptional level of experience and professionalism. Most importantly, this project was delivered on time and in budget."
                                        - Roderick Bell, CIO – Resolute Health,
                                        Affiliate of the Baptist Health System

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Passionate people. Compassionate care.

Nurse Call

Infant Security Tags

High Definition Security Cameras

Fiber Optic Cabling

Technical Specifications

- **Nurse Call:** The project originally required another Nurse Call solution. However, utilizing Beacon's Strategic Partnership with GE Healthcare, Beacon was able to negotiate better pricing and also provide a design that better met the needs of Mission Trail staff.

- **Audio Visual:** Beacon installed an overhead paging system that reduced the amount of equipment by diverting communication to the Nurse Call system.

- **Security:**

  - HUGS Infant Protection System, an integrated infant security solution incorporating mother/baby bracelets that trigger alarms that shut doors and force elevators to the first floor in emergency situations.

  - Schlage Access Control system using bar code readers

  - Avigilon High Definition Surveillance System delivering high definition security images from parking lots and sensitive areas within the hospital such as infant security doors, pharmacy and cash registers.

  - Wireless Phone: Beacon installed a Cisco bridge interface to connect the Nurse Call system to an existing wireless phone service creating thousands in savings through integration with a Cisco Call Manager.

- **Cabling:** Beacon deployed CommScope as an end-to end solution offering a 25-year warranty. Beacon installed all biomedical, patient monitoring, patient room and administrative office cabling. In addition, a primary and redundant fiber optic cabling solution was installed along with a multi-pair copper backbone. As a result, the MTBH cabling plant provides solid support for a robust infrastructure necessary for the heavy load of medical and imaging data.

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"Beacon provided project management services at Mission Trail Baptist Hospital overseeing the installation and design of our low voltage systems coordinating with the hospital system's IT group. Beacon played an integral part in the success of the project and we were very pleased with the team Beacon put together."

--Paul Allen, Director of Construction, Baptist Health System