



Lexington
Medical Center
Columbia, SC



PROJECT INFO

Master Plan & Programming
Conceptual Design
SD/DD/CD
CA
Design Assist Delivery

\$400 Million

Over 700,000 Square Feet Total

12-Story Clinical Expansion & Partial Renovation

Completion: Jan 2019

Ref: Mike Greeley (803) 791-2105 mdgreeley@lexhealth.org

Scope Summary

Master Plan & Programming

- Expansion & Central Plant
- Energy Audit
- LED Study

New 63,000 SF, 3-Story Central Utility Building

- 1,200 BHP of steam boiler capacity*
- 4,875 tons of chilled water capacity*
- 6 MW EM generators for campus*
- Sized to serve all 1.5 Million SF
- Detailed migration plan for future expansion
*3,000 BHP boiler capacity, 10,475 tons chilled water capacity, 14 MW EM Generators

New 545,000 SF, 250 Bed Expansion

- 14 AHU's on interstitial floors
- Fan Array & UV design
- OR design for a 62 F, 50% RH
- LED Lighting Solution Thru New & Existing

Renovation 122,000 SF

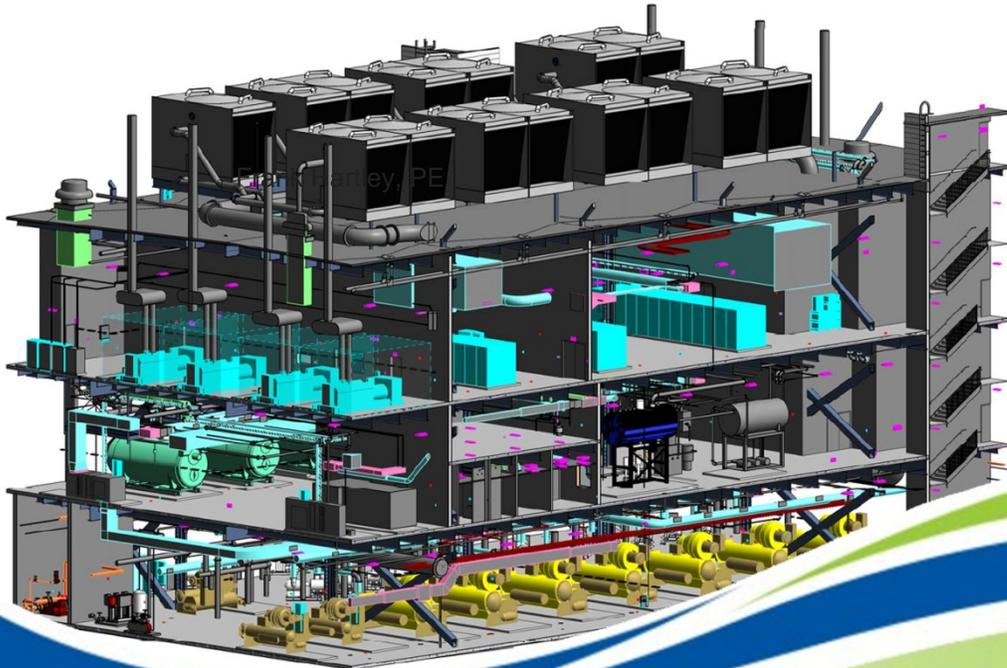
- OR expansions
- Women's Services

VALUE

- Early Equipment Buyout program **saved the project \$4 Million** (achieved 11% savings/target was 5%)
- LED Study and Mock-ups in existing facility to allow **real-time staff/patient feedback**
- Pre-fab OR ceiling systems that **reduce possible patient infections**
- Use of copper devices in patient rooms to **reduce possible bacterial infection** (flush valves, wrist blades, etc.)
- Modular ceiling diffuser system that incorporates HEPA filtered air, utilizing a low turbulence, laminar flow **reducing air contaminants** and providing higher quality air for **faster recovery**

Dynamix Engineering's Role

**Full-Service Mechanical, Plumbing, Electrical Engineering
Master Plan Through Construction**



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Team Members

Neil Baker
Lee Anne Dye
Mike Spengler, PE
Matthew Stuver, LEED AP, BD+C

Eugene Griffin, PE, LEED AP
Frank Hartley, PE
Kurt Fansler, PE, LEED AP
Tim Snow, PE, LEED AP
Jason Lang, PE, LEED AP
Garry Montgomery, PE, LEED AP
Ken Goodson, PE, LEED AP, HFDP

Approach

Dynamix played a key role starting in the Master planning and programming phase by thoroughly vetting a variety of options for the hospital. We start by listening to the needs and experience of the owner and then responding with relative solutions, options and value input to guide an educated team decision. Through design, Dynamix met with a full scale of users for input in space by space tours – community, patients, caregivers, facilities and others. We pride our process on continual involvement and open communication. We address conversations based upon the background of those we are dealing with and understand that everyone’s time is valuable. From the expansion to the renovation, we assisted the team by simplifying the complexity often found in the engineering components. This was extremely valuable when we discussed the Central Utility Building design that would require ‘Day 1’ systems installed to support the expansion, as well as a detailed design for capacity/ expansion to serve the remaining facility as future projects were implemented.

REFERENCE

Owner Quote:

“I have worked with the Dynamix team since the mid-1990s and though I have recommended them as I have moved to different organizations, they always have earned the business on their own merits time and time again. My role then and today is to manage the day-to-day operations of a healthcare organization, so my pursuit is to do what is best for our company as well as our patients. From the earliest project, I quickly grew to appreciate their work ethic, attention to detail, insight and project approach – all traits that continue to be the hallmark of their service. Never before had I worked with an engineering firm that didn’t quickly become the scapegoat for problems on a project. However, with Dynamix, I have found that the other consultants note how much they appreciate the thoroughness of their drawings, their creative solutions as well as their dedication to being reachable and present on the site. Too often, consultants trying to earn our work simply tell me what a great job they will do. In contrast, Dynamix thoughtfully and with detail will tell me how they are going to solve my problem. I am comforted knowing that I can always pick up the phone and contact the Dynamix team. Whether or not they are currently under contract, I feel as if they are part of our team and they provide a timely and sincere response to my needs. They make complicated things seems simple and easy and I am never made to feel as if I have asked for something unreasonable. I choose to use people that I trust, that will bill us appropriately, and that will get the job done. Dynamix fits that description.”

Mike Greeley
Vice President of Operations
Lexington Medical Center

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