

**Springfield Regional Medical Center**  
**New \$150 Million Hospital**  
**Springfield, Ohio**  
**Completion Date: 2011**



Springfield Regional Medical Center is a new 500,000 SF replacement hospital located on a Brownfield site in downtown Springfield, Ohio. This fast track project has 250 beds and features a women's center, operating rooms, imaging suites, Med Ed, EICU, pharmacy, nutrition, translational research, public concourse and meeting/support spaces. The women's center included LDR, nursery, NICU, triage, pre-post partum rooms, c-section, and procedure rooms.

**Vision:**

- Complete the project utilizing an accelerated schedule.
- Complete the Project without Change Orders.
- Complete the Project On Budget
- Design a sustainable and energy efficient environment

**Results/Features:**

- Completed the Project Two Months Ahead of Schedule with Zero Infectious Control Issues
- Project Completed with 0.3% MEPT Change Orders
- Completed the Project Under Budget
- Implemented a Sustainable and Energy Efficient Environment – Used the ASHE Green Guide as a Checklist



## Special Design Features

- Air handling systems are variable air volume with reheat
- Air handlers are zoned according to the acuity of the area being served
- Base design consists of six 225 HP, 100 psi dual fuel (natural gas and fuel oil) Ohio Special firetube steam boilers
- Provisions for added central equipment are being designed to accommodate hospital growth
- Steam humidification and a hot water heat exchanger for the reheat, with space for future use,
- Oxygen farm
- Decontamination area with tank
- Variable frequency drives on pumps and chillers
- Return air boxes to improve controllability and sustainability
- Electrical service will consist of two 4000 amp double ended switchboards
- One of the first facilities in Ohio to meet the new 2008 guidelines for a COPS system as defined by NEC
- Two paralleled 1750 KW generators to provide

## Dynamix Engineering's Role for Project:

- Masterplan
  - Utility study
  - Central Plant Analysis
- Full-Service Engineering Including Mechanical, Electrical, Plumbing and Technology Engineering
- Construction Administration
- Smartroom Technologies
- EICU operability
- PACS, PYXIS, telemedicine, conferencing spaces
- Nurse Call
- Clock systems
- OR Audio & Time Lapse
- Video infrastructure
- Medical equipment infrastructure
- Public and private wireless network
- Special A/V systems
- Data Systems
- Voice Systems
- DAS Coordination
- Patient Wandering
- Public safety intercom
- Digital CCTV Surveillance & Access Control





100 Medical Center Drive  
Springfield, Ohio 45504

January 18, 2012

To Whom It May Concern:

I would like to take a moment to express Community Mercy Health Partner's appreciation for the dynamic service provided by Dynamix Engineering during our 500,000 square feet Springfield Regional Medical Center Hospital project. Due to the combined efforts of several talented professionals, including the professionals at Dynamix Engineering, the project turnover date was expedited by two months.

Unlike most hospital projects, two separate hospital campuses were merged into one campus in the heart of the city. Dynamix developed a comprehensive understanding of SRMC's present needs and future growth—an understanding that was essential to accomplish the research and planning critical to the success of this project. Moreover, Dynamix was knowledgeable in the recommendation and integration of the multiple building systems. Dynamix explained how these complex systems would operate and function. Dynamix employed innovative design technologies and brought fresh, original ideas to the project as it progressed.

The project team used an *Integrated Project Delivery Method IPD* approach where construction managers, contractors, and the design team work in collaboration to maintain high quality construction while ensuring the Hospital's resources were put to best advantage. Dynamix continued its commitment from design into construction by maintaining a dedicated team on site throughout construction of the new facilities. With that presence and with an attention to details, the project ran smoothly. During the course of the building of the new facility, Dynamix completed renovations on what had been the two existing hospitals so that those facilities could be repurposed and could continue to be locations which provide valuable services to the Springfield community. With the multitude of activities and developments, the Dynamix staff still succeeded in providing designs on schedule.

I have worked with Eugene Griffin and his team on a variety of projects since 1997. It is without hesitation that I would recommend Dynamix Engineering. They are a solid firm that stands behind its work. I will continue to use Dynamix Engineering for future consultation and projects.

Sincerely,

A handwritten signature in cursive script that reads "Keith B. Holmes".

Keith Holmes, Director of Engineering  
937-408-0148