

# Rex Hospital Uses Duke University's Simulator to Analyze CAD Data, "FullScale" via a Partnership with FullCon Solutions, LLC

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*We are able to place key providers and executives into the model and get real time feedback regarding special concerns, volume, heights, "pinch points", etc. – Chad Lefteris, VP Support Services, Rex Hospital*

Raleigh, NC (August 26, 2010)

## **About Rex Hospital**

Rex Healthcare, a private not-for-profit system, was founded in 1894. It is a member of UNC Health Care, a not-for-profit integrated health care system, and has more than 4,600 co-workers. Its main Rex Hospital campus in west Raleigh is a 665-bed facility (439 general acute beds and 226 skilled nursing) treating more than 34,000 inpatients each year. Rex offers dedicated centers for cancer, surgery, heart and vascular, post-acute rehabilitation and skilled nursing care, wellness and women's care plus dedicated services for bariatrics, heartburn, pain management, sleep disorders, diabetes education, wound and emergency care.

Rex provides a variety of healthcare services throughout Wake County, with facilities in Apex, Cary, Garner, Knightdale, Wakefield, downtown Raleigh and coming soon to Holly Springs. Rex is the first hospital in the Triangle, and one of only 10 in North Carolina to receive Magnet Recognition, which places Rex nurses among the top five percent in the country. In 2008, Rex was listed as one of the nation's 100 Top Hospitals® by Thomson Reuters Healthcare. Rex also was named one of the top 100 (9th hospital) Best Places to Work in Healthcare by *Modern Healthcare* magazine in 2009.

**Business Need:** The team was needing a tool that would achieve the groups goals of better design, clearer design expectation and improved communication and feedback for all Stakeholders.

**Technology Solution:** The team engaged FullCon Solutions 1:2:1 Analysis technology thus enabling the group to analyze their designs Full-Scale in Real Time. The CAD data was provided in Google Sketchup software.

**Immediate Benefits:** The sweet spot of this technology is in Schematic Design the most indecisive and least profitable segment of the client's workflow. The Simulator allows clients to produce virtual Full-Scale mockups, affordably. The process is designed to ultimately improve designs, decisions and expectations for all involved.

### **Firm Comments**

*As part of our schematic design process, the simulator helped our client better visualize overall form, scale, degree of spatial transparency and natural lighting, and proposed vehicular/pedestrian circulation. Live model simulation is unique and has offered the design team and our client the ability to test drive our proposed solution.-Mark Vaughn, Sr. Principal, WHR Architects.*

*In the past clients were required to accept a certain amount of project potential in good faith. The simulator greatly increases a client's ability to understand ultimately making a more informed decision. Clients seem to understand and are able to discuss and contribute better because of the experience.-Andy King, Associate Design Director, BBH Design.*

*As a result of my visit, we validated some of our design ideas and convinced us to modify some others. We can see real value in every phase of design with this technology-Sal Musarra, Sr. Landscape Architect, VP Kimley Horn.*

### **Fast & Simple**

The benefits are immediate and impactful. This established, 20+ year old technology helps many industries operate more efficiently and communicate more effectively. FullCon Solutions can help you achieve your specific goals immediately. This project took FullCon Solutions less than 2 weeks to prepare. We can improve your business, today!

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**About FullCon Solutions, LLC (FCS)**

[www.fullconinc.com](http://www.fullconinc.com)

**About BBH Design**

[www.bbh-design.com](http://www.bbh-design.com)

**About Kimley-Horn**

[www.kimley-horn.com/kha](http://www.kimley-horn.com/kha)

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## Simulator Images Below

### Duke University Simulator-Durham, NC



### Iowa State Simulator-Ames, Iowa

