



CLIENT LED DESIGN USING VIRTUAL REALITY ON THE GO

NVIDIA® Quadro® lets architects conduct fully immersive design reviews on location—an industry first.

CHALLENGE

The process of designing and building a medical facility demands fast decisions on any number of design, performance, and functional issues. Hospital construction can be highly demanding, as the details of facilities like operating rooms can affect the effectiveness of doctors and nurses and impact patient outcomes. Medical professionals are often too busy for architectural reviews, resulting in design changes after construction has started and incurring considerable costs.

SOLUTION

A high-fidelity VR experience allows stakeholders to review and interact with designs before construction. The MSI WT72 6QN mobile workstation, powered by the latest NVIDIA Quadro M series GPU, allows architects to bring VR directly to medical facilities. This lets doctors and nurses simulate medical procedures to ensure that the facility is designed correctly; leading to better designs before construction and reducing costly changes once construction has begun.

IMPACT

Getting client input before construction begins is key to preventing design changes later, when modifications are more expensive. NVIDIA Quadro powered VR lets clients interact with designs early in the building process. For clients with limited time for design reviews, such as medical professionals, the ability to bring VR directly to them is essential to getting the design right—saving time, saving money, and saving lives.

“Providing customers with a high-fidelity VR experience during design review...can prevent costly design changes after construction has started.”

Alex Cunningham, VDC Engineer at McCarthy Building Companies, Inc.