



OPTIMIZING WITH VIRTUAL REALITY ON-THE-GO

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

CHALLENGE

The construction process demands rapid decision making on a number of design, performance, and functional issues. Hospital construction can be more demanding, as the details of facilities such as operating rooms can affect the efficiencies of doctors and nurses, and even impact patient outcomes. Medical professionals are often too busy for architectural reviews, resulting in sub-optimal designs that need costly re-works once construction has started.

SOLUTION

A high-fidelity VR experience allows stakeholders to review and interact with designs before construction. Mobile workstations powered by NVIDIA Quadro mobile GPUs lets architects bring VR directly to the medical facility for doctors and nurses to review designs and provide feedback. This lets them get to an optimal design before construction, reducing costly design changes and rework once construction has begun.

IMPACT

Letting clients provide input before construction begins is key to preventing design changes later down the line when they are more expensive. NVIDIA Quadro-powered VR enables clients to 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 the client 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.