PROFESSIONAL DESIGN
High Bar for Accuracy and Realism

PHOTO REAL

DETAILED & ACCURATE

INTERACTIVE / DYNAMIC
VR IS REVOLUTIONIZING DESIGN

MEDIA & ENTERTAINMENT

MANUFACTURING & DESIGN

ARCH, ENGINEERING CONSTRUCTION
NVIDIA HOLODECK
Design Lab of the Future
PHOTOREALISTIC, COLLABORATIVE DESIGN PLATFORM

PHOTOREALISTIC GRAPHICS

INTERACTIVE PHYSICS

REAL-TIME COLLABORATION

GPU-ACCELERATED AI
REVOLUTIONIZING THE DESIGN WORKFLOW

CAD

VISUALIZE AND REVIEW DESIGN IN NVIDIA HOLODECK

APPLY MATERIALS
BRINGING A NEW LEVEL OF COLLABORATION TO VR

PHYSICAL PRESENCE

ASSET REPLICATION
HOLODECK UPDATE
Architectural Design Review
COLLABORATE ON HIGH FIDELITY MODELS

Review Design and Identify Points of Interest
EXPLORE AND REVIEW ENTIRE BUILDINGS

Teleport to Elevations
MIXING WORLDS FOR FLEXIBLE COLLABORATION

Google Hangouts and Full Web Browser in Holodeck
NVIDIA VRWORKS AUDIO

CHALLENGE

Need To Disambiguate These Cases

- Elevator
- Symphony Hall
- Open Space

SOLUTION

Physically-Based Audio Path Tracing

Realistic Audio

Turing Accelerated
NVIDIA HOLODECK: DESIGN LAB OF THE FUTURE

PHOTOREALISTIC GRAPHICS

INTERACTIVE PHYSICS

REAL-TIME COLLABORATION

GPU-ACCELERATED AI

EARLY ACCESS

3D Design experience
3ds Max, Maya, VISUALIZE plugins

High-end system (1080Ti, P6000, and above)
Apply at www.nvidia.com/holodeck