

CAD2VR

AND SECURITY ASPECTS OF VR

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WHY SHOULDN'T PEOPLE BE ABLE TO TELEPORT WHEREVER THEY WANT?

- Palmer Luckey, Founder Oculus VR



VIRTUAL REALITY

SIMULATED ENVIRONMENTS | SIGHT | SOUND | HAPTIC FEEDBACK

CAD MODELS AT SANDIA

NATIONAL SECURITY | DEFENSE | ROBOTICS | OTHER DOMAINS





SANDIA 2019

200+

#OF CAD IMPORTS BROUGHT TO LIFE WITH CAD2VR

SANDIA 2020 AND BEYOND

?

#OF CAD IMPORTS BROUGHT TO LIFE WITH CAD2VR





CAD2VR

INTERACT WITH ANY CAD FILE | IN VR | INSTANTLY

CAD2VR

PLAYBACK EXPLODED VIEWS AND MOTION STUDIES

CAD2VR

INTERACT WITH HAPTIC FEEDBACK

CAD2VR

SWAP OUT ENVIRONMENTS FOR DOMAIN SPECIFIC NEEDS

LAB WIDE CAPABILITY

YOUR DESIGN + ENVIRONMENT = VR EXPERIENCE

IT'S COOL → IT'S USEFUL

SCALE MATTERS | CONTEXT MATTERS | INTERACTION MATTERS

The background of the image is a dark green field filled with vertical columns of glowing green digital code, resembling a computer terminal or data stream. The code consists of various characters including letters, numbers, and symbols, creating a sense of motion and technology.

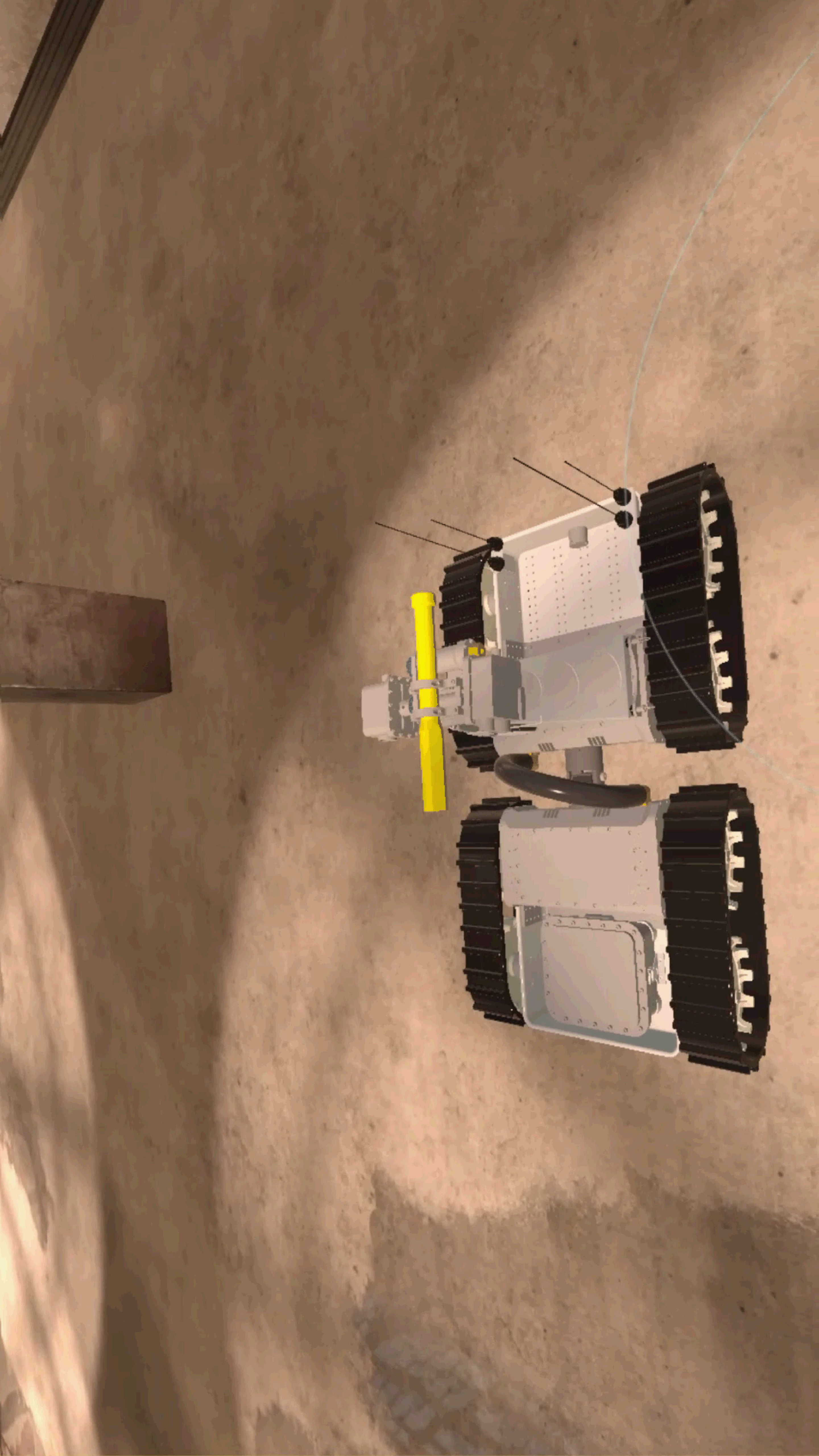
THE FUTURE IS NOW

CAD2VR IS ALREADY IN USE TODAY



CAD2VR

PRESS SPACE TO CONTINUE



SECURITY

VR BEHIND THE BARBED WIRE?

ONE SECURITY CASE STUDY FOR VIRTUAL REALITY AT SANDIA

PROHIBITED TECH

COMMERCIAL VR HARDWARE IS JAM-PACKED WITH IT

TEAMWORK MULTI-DISCIPLINARY

18 TECHNOLOGISTS, ENGINEERS, SCIENTISTS, AND SECURITY PROFESSIONALS
SPANNING MULTIPLE DIVISIONS

OUR SOLUTION

THE FIRST-EVER VR SOLUTION OF ITS KIND APPROVED FOR USE (AND INSTALLED)
WITHIN A CERTAIN CLASS OF HIGH SECURITY BUILDINGS AT SANDIA

THANK YOU