



# 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

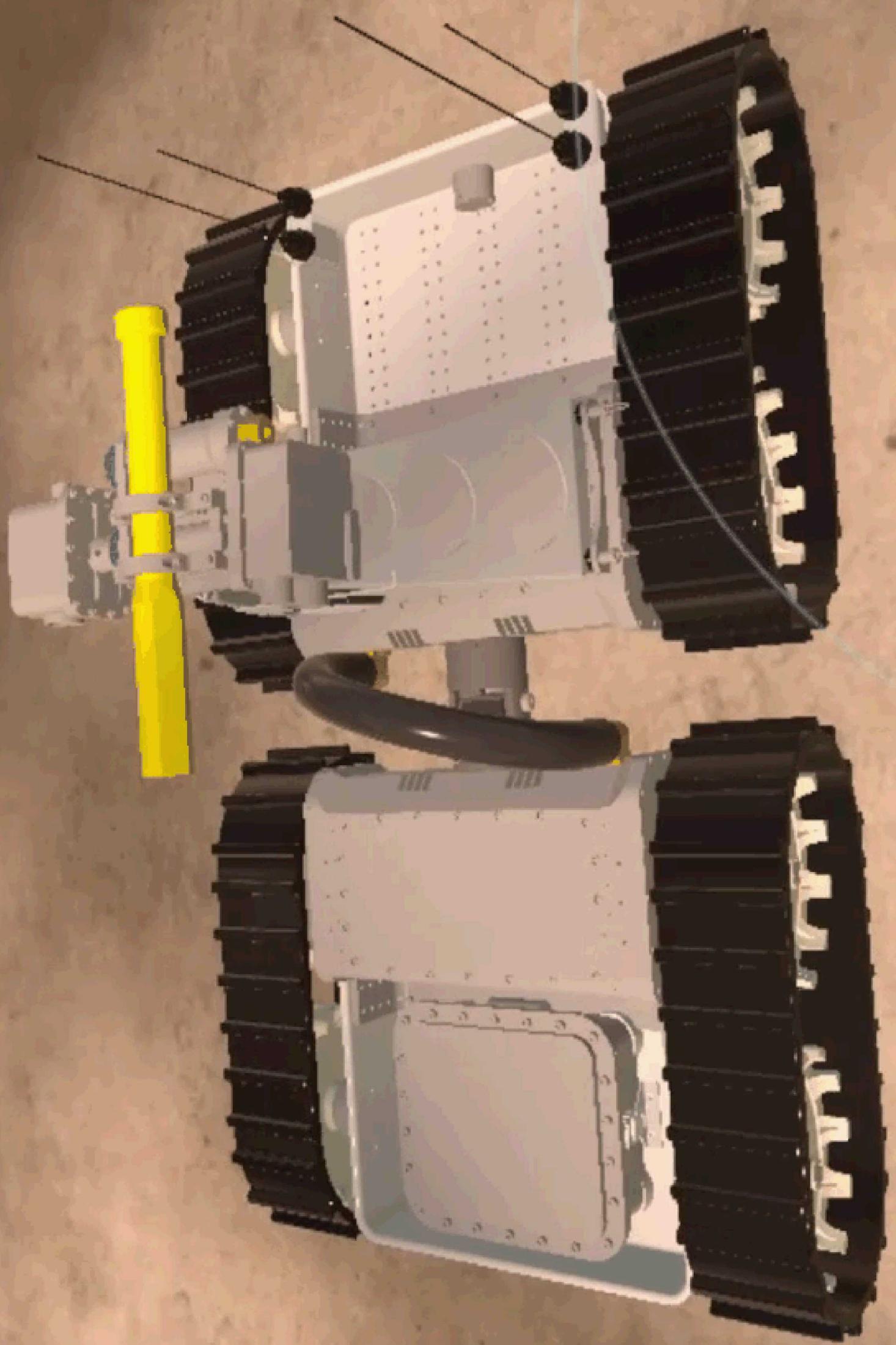
# THE FUTURE IS NOW

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