A FUTURE WITH 3D ENGINEERING AND AUGMENTED REALITY

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June 6-9, 2016

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• The information in these slides is intended to be conceptual and doesn’t necessarily represent technology as it exists today

• The content doesn’t necessarily represent any specific tools, software, or projects unless otherwise specified
WHY?
ENGINEERING OF YESTERDAY
THE BENEFIT OF AUGMENTED REALITY
CURRENT CAPABILITIES OF AUGMENTED REALITY
CONCEPTUAL DESIGN

*Conceptual Image
USER EXPERIENCE
OBJECT RECOGNITION

*Conceptual Image
REMOTE ENGINEERING
3D CAPTURE AND COMPARE

*Conceptual Image
2D TO 3D COMPARISON

*Conceptual Image
EXISTING PROJECTS
PAVING THE WAY AHEAD
http://opslab.jpl.nasa.gov/
INNOVATIVE DISPLAY AND ENVIRONMENTAL AWARENESS SYSTEM (IDEAS)

http://www.nasa.gov/content/ideas-to-enhance-operations-on-earth-and-in-space
GSDO APP

http://www.nasa.gov/externalflash/3DV/
• Seek use cases
• Push for improvement
• Start exploring
• If it doesn’t exist, make it exist