

Into the Metaverse!

Use Virtual Reality and Augmented Reality
To Improve Your
Utility Vegetation Management Program



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Quick Primer:

Virtual Reality and Augmented Reality

Virtual Reality (VR)

- Creates a 3-D digital world
- Uses VR goggles and other sensor-based equipment to allow the user to see and interact with the digital world
- Simulated reality – not actual reality

Augmented Reality (AR)

- Uses the real world
- Superimposes a computer-generated image on the real world
- Allows the user to simultaneously see a composite of the real world and the computer-generated image

Virtual Reality (VR)



Live VR Demo

Virtual Forest Tests & Certifies Vegetation Management Inspectors

- Safe testing environment
- Saves strain on human resources
- Improves productivity
- Assures consistent results
- Provides resources to improve & retrain
- Tests:
 - **tree knowledge**
 - **use of tools & equipment**
 - **customer interaction capacity**



Augmented Reality (AR)



Live AR Demo - PreInspection

PreInspection Tool Improves Speed & Accuracy

- Better access to customer data (call ahead / bad dog)
- Replace writing with videos for clearer explanation of work orders
- Exact marking – time, date and location stamped in X-Y-Z space
- Improves communications between PreInspectors and Tree Crews
- Avoids 3rd party (and nature-based) interference with markings
- Creates permanent record with video and transcription for legal risk reduction
- Essentially instantaneous upload from field to office



Live AR Demo – Tree Crews

Tree Crew Tool Improves Speed & Accuracy

- Transcription eliminates language barriers
- Exact marking eliminates guesswork
 - **Saves each crew (on avg) 1 hr / day**
- Improves safety by marking site hazards
- Call function allows Tree Crew to contact PreInspector
 - **Verify instructions**
 - **Add missed tree(s)**
- Provides utility-limited access to essential customer data
 - **Gate codes**
 - **Bad dog**
 - **Call ahead**
- Video record reduces likelihood of false damage claims
- Visible property boundary markers
- Visible environmental factors
 - **Bird nests**
 - **Watercourses**
 - **Historic / Cultural Sites**
- Creates permanent record with video and transcription for legal risk reduction
- Essentially instantaneous upload from field to office
- Office tracking of human and equipment resources
- AI function makes recommendations for speed & efficiency
- Reduces need for after-hours office work to report on accomplished work – automatically compiled

Live AR Demo – Work Verification

Work Verification Tool Improves Speed & Accuracy

- Transcription eliminates language barriers
- Exact marking eliminates false reporting of accomplished work
- Video comparison of work order vs. work accomplished dramatically improves efficiency
 - **Saves each Post-Inspector (on avg) 4-5 hrs / day**
- Improves safety by marking site hazards and reducing need for travel by vehicle / hiking
- Call function allows Post-Inspector to contact Tree Crew and PreInspector
- Creates permanent record with video and transcription for legal risk reduction



Q & A



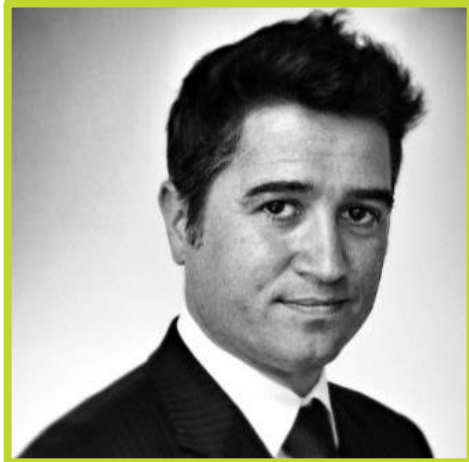
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The UVMI's mission is to serve as the world's preeminent center for the understanding, development, and improvement of law, policy, and practice of utility vegetation management to promote the creation of safe and environmentally sound co-existence among people, infrastructure, and the natural environment while also ensuring safe and reliable delivery of energy and other utility services.

The UVMI trains attorneys, provides guidance to federal, state and municipal government, Native American Tribes, industry, charitable organizations, public advocates, and individuals throughout North America and across the globe and serves as a center for cutting edge research on technology, law, policy and practice.



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WITS

At WITS, we are pioneering the next leap in Metaverse engagement. We provide comprehensive training and practical applications in the Metaverse, utilizing the power of AR and VR technology to help your organization test the boundaries of digital interaction.

Our innovative technology, protected by 25 existing patents, 10 patents pending and others in progress, is the backbone of a platform designed for versatility and adaptability. Currently, we are revolutionizing Utility Vegetation Management, offering immersive and efficient solutions. WITS is your gateway to a fully integrated Metaverse experience.