



AirV
LABS

DEDICATED TO THE ADVANCEMENT OF VIRTUAL REALITY IN EDUCATION & TRAINING

AirV labs specializes in virtual reality content creation for advanced digital curriculums and e-learning platforms. We have deep industry experience and knowledge in VR simulation and training for education, healthcare & medical, industrial design, and safety, among other related industries.

Our powerful, state-of-the-art VR technology allows you to quickly and easily develop an incredible mixed reality learning environment integrating an immersive 360° video and interactive 3D rich media. Partner with us to rapidly prototype your custom VR application and take your online curriculum and training to the next level while hosting it in your enterprise server.



VR Development
Service



VR Authoring
Tool Software



VR Training
Platform

AirV Labs

Development Service

We'll Help You Design The Best VR Solution For Your Use Case

Rapidly prototype your custom 3D virtual reality applications with experienced industry professionals, dedicated VR engineer and backed by years of research at leading research lab.



RESEARCH & DEVELOPMENT

Explore open-ended VR solution and proof of concepts; backed by research lab and dedicated VR engineer



RAPID PROTOTYPING

Access to 360° camera, VR gear, software and development tools—rapid prototypes within weeks, not months



VR DEVELOPMENT TRAINING

AirV Labs powerful VR authoring tool is easy to use and intuitive—we'll show you how



EXPERIENCED PROFESSIONALS

Over 25+ years of experience in VR simulation, training and research.

Partner with AirV Labs to design your next-generation virtual content and training curriculum quickly, saving you precious time and money and help take the guesswork out of your initial VR application program.

- **Create storyboard:** Help develop an engaging digital program designed with AI/VR/AR/360° video for an impactful, interactive experience
- **Invest in VR tech:** Help guide you through the right VR tech investment - 360° camera, VR headset, controller and development tools and software
- **Author scenes:** Begin development: author scenes with 3d content and media rich assets with hotspots for interactivity
- **Publish & deploy:** Publish to VR platforms and deploy to distributed environments



AirV Labs

Authoring Tool Software

Bring Your Digital Learning Initiatives To Life

Patented, one-of-a-kind, VR authoring tool and software development kit allows you to rapidly prototype your virtual reality content—using 360° real-life video footage, easily integrate 3D rich media assets, and then quickly deploy to desired platform for an immersive, interactive learning environment.



Our cutting-edge authoring tool set features—virtual reality, augmented reality, mixed reality, artificial intelligence, rich-media tools, interaction, and multiple modes—for a powerful, interactive rich content development platform.

AirVu™ Platform

Helps address COVID-19 challenge



AirVu platform is a transformative digital learning and online collaboration tool

Today's video conference solutions, while numerous, are limited in the key aspect of 3D immersion. Without this immersive capability, expensive and sometimes exclusive in-classroom and/or in-person experiences remain critical and necessary for sustainable learning in key areas such as education, health and safety, medical training, and fields where visualization from multiple angles (beyond 2D) is necessary for learning or selling.

Education platform highlights

- Instructors can rapidly create virtual class contents by combining 360 degree video, power points, videos, 3D models, and interactive exercises.
- No prior knowledge of VR is needed for the instructors.
- Quizzes and assessments can be included.
- Virtual content can be delivered synchronously or asynchronously to students.
- The virtual can be downloaded from the cloud
- Delivery of the content can be experienced by students wearing low-cost headsets such as Oculus Go, computer monitor or even cell-phone based devices.
- Our solutions are being used by medical colleges and hospitals and many other industries.
- Possibility to co-market your content and earn revenue

Collaboration and virtual meeting highlights

Instead of video conferencing, we are providing an immersive VR platform, called the AirVu virtual conferencing platform, where a large number of users can immerse in a virtual room (virtual conference room, board room, factory, class room etc) during a session while wearing a low-cost head mounted display or even on a desktop computer using our proprietary first of its kind software.

- Create virtual 3D conference room and invite participants
- Peer to peer meetings with features like most video conferencing solutions
- Share presentations, 3D models, MRI/CT, Videos etc
- Audio, annotation, notes during meeting
- Security features for enterprise use
- Demonstrate, market survey, polling features
- Easy set up and low cost headset options
- Integrate with learning management system

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Explore what's possible

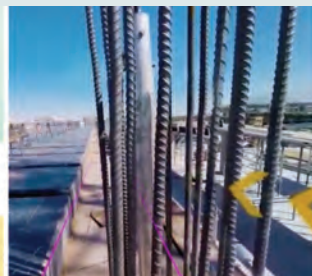
We design and implement VR applications for a wide range of verticals including Education, Healthcare, Industrial, and Safety, to name a few.



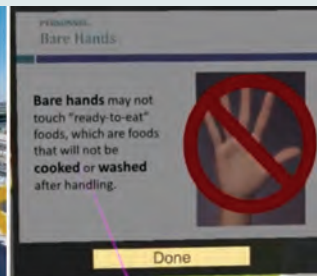
HEALTHCARE & MEDICINE



EDUCATION & CORPORATE



INDUSTRIAL & CONSTRUCTION



SAFETY & MAINTENANCE

AirV Training

Mixed-Reality SEPSIS

Take your SEPSIS training curriculums to the next level



Highly-advanced, interactive VR learning experience in a simulated, real-world healthcare environment

The sepsis prevention application provides individuals a unique opportunity to learn about sepsis treatment and symptoms in a simulated hospital environment using our mixed reality, VR platform. With the addition of assessments throughout the application, health professionals are tested on their knowledge on how to identify sepsis through patient history, as well as treatment based on the progression of sepsis.

The application prepares healthcare professionals by allowing application of knowledge learned in the classroom to a real-world environment.

- Identify and assess symptoms/treatment for sepsis
- Familiarize with hospital protocol in identifying and treating sepsis
- Apply learned content in a classroom setting in a safe simulated real-world scenario based on 360 degree environments
- Gain practice in patient treatment/standard flow in an interactive experience (i.e ask patient history first, then ask current symptoms, then blood work etc.)
- Benefit nurses, nursing students, 1st/2nd year medical students, PA students

AirV Training

Virtual-Reality Intubation

Immersive, virtual reality simulator for intubation training



Highly-advanced, interactive VR learning experience in a simulated, real-world healthcare environment

Endotracheal Intubation is a lifesaving procedure in which a tube is passed through the mouth into the trachea (windpipe) to maintain an open airway and facilitate artificial respiration. It is a complex psychomotor skill, that requires significant training and experience to prevent complications.

- Learn intubation in VR – Watch the procedure of intubation, learn the fundamentals, identify right tools to use, learn anatomy, and more
- Fully immersive – Practice inside a virtual OR with real-world simulation in a hospital setting
- Perform procedure in VR – Learn basics to advanced skills in a completely 3D VR environment including hand eye skills required to perform
- Automated assistance– Virtual tutoring that helps in correcting position and motion
- Automated assessment – System provides automated assessment through quizzes and educational metrics
- Low cost, quick installation – Get up and running quickly; VR equipment included



About AirV Labs

AirV Labs is a developer of virtual reality content for advanced human centered applications. With over 25+ years of experience in developing virtual reality simulators for education and training.

AirV Labs license proprietary VR technology developed at the University of Illinois for over the past four years and has business office in Silicon Valley and research lab in Champaign, IL.



SILICON VALLEY

AirV Labs Inc. | HQ
780 Montague
Expressway, Suite 308
San Jose, CA 95131
Phone: +1 408.420.5354
Email: info@airvlabs.com



INDIA

A 503, Melody Apartment,
Pantharapalya, Mysore Road,
Bangalore 560039
Mobile: +91 97691 14846
Email: info@airvlabs.com



R&D OFFICE

Sales | R&D
UIUC Research Park
60 Hazelwood Drive
Champaign, IL 61820