

# Case Study

## Learning Alliance Virtual Training Walkthrough

### Project Overview

Another Reality Studio developed a virtual safety training application for an industrial training company. As a result, users move through and interact with a virtual world that looks like a real life location. The virtual environment was created in Unreal Engine for virtual reality (VR) and for the web. The wireless industry training uses virtual gaming elements. As a result, a real world environment is created for a unique learning experience for students and industry professionals. See this product demo video to visualize: (<https://youtu.be/kwt-nF9ExJw>)

### Key Features

- High Fidelity Visualizations
- ARS created an indoor space and an outdoor environment with accurate depiction of a real environment. Furthermore, the developers created representation of the equipment with accurate functionality.
- Complete a 100+ ft. competency climb.
- Perform installations of booms, antennas and small cell devices on a tower
- Familiarize users with industry related tools
- Hands on practice with capstan, hoist, and rigging procedures
- Real climbing physics created so users can climb ladders and towers for timing and to help technicians understand the entire process
- Selectable equipment for specific equipment training
- Learn proper construction and tower safety standards



### Challenges and Core Considerations

- Creating large realistic scene requires 3D modeling and optimization to keep visual fidelity on the web and in virtual reality

### Impact: The ARS Solution

- Developed a custom training application for the web app and in virtual reality to provide more options for certifications for students and companies. In addition, companies save travel costs and improve safety
- Reduced the need to be around potential hazards, but allows for muscle memory training and real world experiences

