Case Study

VR Oil Rig Virtual Walkthrough

Project Overview

Another Reality Studio created training in virtual reality (VR) to save travel costs and improve safety. See this product demo video (https://youtu.be/g0yOzZfBQOo0) to visualize VR Training for an oil rig with details on how to evacuate and how to use.

Key Features

- High Fidelity Visualizations
- ARS created an oceanic oil rig with accurate representation of equipment and functionality/ layout to best train workers.
- Equipment is functional, including drill and drill station
- emergency training mode for fire drills and evacuation scenarios
- Real climbing physics to climb ladders and towers for timing and to help you understand the entire process
- Select equipment for specific equipment training

Challenges and Core Considerations

- The Another Reality Studio project manager began the project with concept evaluation and feasibility. He collaborated with the client on user design, estimating, and planning to create project milestones and a timeline for completion.
- Creating large realistic scene requires 3D modeling an optimization to keep visual fidelity in virtual reality
- Multi player scene required communications and replication allowing concurrent training sessions for improved training interactions

Impact: The ARS Solution

- Created training in VR to save travel costs and improve safety
- Reduce the need to be around potential hazards but allowed for muscle memory training and real world experiences
- Backend Development

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