



Cost-Effective, Safer, Engaging and Faster Training

- by Simulanis OnG VR

Introduction

A Fortune 100 company—a global conglomerate, and an industry leader, approached Simulanis as they wanted a VR solution for a training issue they were having in one of their gas plants. The project would be a 'POC' for the client's investors and stakeholders and a start of a long, lucrative relationship if successful.

The client wanted a more efficient way to train their employees on the transducer replacement operation of an Ultrasonic Flow Meter installed on the pressurized line of hydrocarbon gas. The retraction tool used for the replacement was extremely delicate and costly, and therefore must be handled with utmost care. The procedure was furthermore extremely complex due to the extensive number of steps involved (approx. 60) and dangerous if not handled with special care and caution. One small mistake can release highly flammable gas into the environment and expose the individuals to the hydrocarbons which can be extremely hazardous to human health. The current training method i.e. classroom training was ineffective as it lacked engagement, practicality and required training personal to be present to all the time which would also implicate higher costs.





Simulanis Oil and Gas VR Solution

Having expertise in creating exceptional VR solutions for the manufacturing sector and working with such reputable client our team approached this project with great zeal and enthusiasm. Within days after receiving the brief and finalizing the scope, our technical team flew out abroad to visit the plant and gather the data required to kick-start the project. We worked very closely with client's team to understand the complex range of steps to the procedure, convert them in to Virtual Reality and Mixed Reality, and ensure that they are in-line with the maintenance module and standard operating procedures on-site as well as provides the user a realistic and effective training experience. Following a pedagogical approach we also embedded the module with advanced analytics to capture the user behaviour and measure performance. A report for each user-play was generated and stored on server for further analysis. To ensure a timely delivery, the team used a lean-management approach to the project and worked exceptionally hard to deliver the final output within the proposed deadlines

Result and Feedback

"I wanted to personally thank you for the delivery the Simulanis team made and delighted us with, in the short time they got, based on what we saw yesterday... And this communication from you is yet another reason to show our pleasure in the collaboration with."

-Engineering Manager

Result and Feedback

The final output on both platforms were delivered within the proposed timelines and presented personally to the client by the CEO. The delivery had been a success which exceeded the client's expectations in terms of the quality and level of interactions involved. The client appreciated the team's hardwork, proactive attitude and were particularly impressed at how we managed to deliver such a quality output in 'record time'. The work was then selected to be presented to the client's President, Investors and Stakeholders. Following are some of the quotations from the client's feedback:

"Your team's eagerness to learn users expectations in detail, collaborate on all possible interactions and story flow, and then coming up with deliverables which is very close to what we wanted, has been outstanding."

"Thank you for bringing this very important app in great shape. Appreciate your dedication and hard work!"

- Senior Technology Specialist