

... CASE STUDY

Facebook: Virtual Reality Maintenance App



The immersive nature of VR makes it an effective solution for hazardous training that can pose safety and operational risks

Challenge

Facebook Data Centers manage and operate numerous electrical systems and switchboards as part of their facility operations. Maintenance, troubleshooting, and procedural training is often conducted onsite; however, there is a safety risk and operational impact with shutting down equipment unnecessarily.

Solution

Facebook Data Centers partnered with GP Strategies® to pilot a VR application that closely mimicked the full process of conducting maintenance and shutting down a Master Switch Board (MSB). Utilizing 360-degree video and photos, we replicated team huddles and planning order of operations for lock-out-tag-out, and even simulated infrared scans on equipment, asking learners to correctly isolate sockets, push buttons, and toggle switches.

Business Impact

GP Strategies helped Facebook Data Centers L&D demonstrate the engaging and immersive aspects of VR. They were able to compare the impact of live training, including virtual training, in their offerings. Through their business ties to Oculus, they were able to use the project as an internal case study to outline training needs that could benefit a larger audience outside the electrical specialties.

RESULTS

The project was used as an **INTERNAL CASE STUDY** to demonstrate the training needs that could benefit a **larger audience** outside of the electrical specialties

