



ERB: Emergency Response Buddy is a XR application developed in Unity v6 to provide training and live guidance to emergency responders operating in the field. It currently targets novel hazard scenarios related to Electric Vehicle Fires. It is developed by Tech SME Parity Platform

Target Users

- Firefighters
- Police First Responders
- Health and Safety Officers
- Rescuers

Training on protocols for Electric Vehicle Fires

Scenarios

Scenario 1 (VR): Training of ER personnel before missions on the field. ERB enables rescuers to familiarize with protocols before missions to decrease the probability of hazards and mistakes

Scenario 2 (AR): Live Guidance in-field. Installer points headset or Mobile Phone Camera to hardware and receives annotations and alerts for potential issues.

Developed Features

Training scenario that involves an EV fire in a parking lot

- Scenario Briefing (Text and Visual prompts related to issues that the responder needs to resolve)
- Live Hardware and Electrical Wiring recognition and alerts
- VR interactions for training scene with various steps (shut down power, put out fire, rescue driver, monitor battery temperature)



SPIRIT Berlin Testbed Use Case

ERB application heavily depends on ultra-low latency. SPIRIT Berlin Testbed enables us to test advanced features such live vehicle models and component recognition using camera feed. The responsiveness required for such features can only be achieved with robust 5G connectivity.



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