



This image shows an individual in a real car frame, with a virtual interior, while still being able to see his hands (TV screen). Our concept includes a virtually reconfigurable vehicle exterior.



The TV screen on the left shows what the trainee is seeing, and the TV screen on the right shows a 3rd person view of the scene. The lever, electrical box and valve are real objects and can be seen in the virtual world. The green screen will not be necessary, this was an older technology similar to what we are proposing, but it is no longer available. In the dark shadows on the right side of the image, you can see 2 fans that are controlled by the scenario to increase immersion.



This is a close up of the trainee's hand and the real pipe being displayed over the virtual world (top).



This image shows a trainee using a real fire hose in a virtual environment. The screen shows what the trainee sees, their real hands and the fire hose.

Medical Augmented Reality Prototype



This image shows a medical mannequin trainer. It is showing a real mannequin with a virtual overlay of the skeleton for the trainee to interact with. This allows the first responder to have additional information during training that can be scaled up or down based on their skill level.