

# Harness Hero

Fall protection video games have the potential to save lives.

## Problem

Falls are the leading cause of death among construction workers in the United States. All workers located on elevated surfaces are at risk for serious injury or death if they should fall. To protect workers, employers must not only provide the right protective equipment but must ensure workers understand proper setup and safe use of that equipment. A poorly trained worker could be at risk of serious injury or death.

## Goal

Reduce injuries and fatalities related to improper use of fall protection equipment.

## Partners

Master Builders Association of Western Pennsylvania (MBA)  
Constructors Association of Western Pennsylvania (CAWP)

## Solution

Available for all mobile devices, Harness Hero and Harness Hero: Bridge Edition engage players (anyone who works near a fall hazard) in the key decisions of using a fall arrest system. At each step in the game, the player chooses where to anchor, what anchorage device to use, how to set up the harness, what connection device to use, and so on. The player also inspects the equipment along the way for burns, rips, rust and other malfunctions. At the end of each play, the player encounters a fall, and depending on how well they did setting up their fall arrest system, the player will either witness a rescue or a severe injury or even a fatality. Harness Hero was developed under the guidance of safety professionals from all corners of the construction industry.

